

Vermont Department of Health

2021 Census of Dentists

Statistical Report

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Statistical Report

State of Vermont
Phil Scott, Governor

Agency of Human Services
Jenney Samuelson, Secretary

Department of Health
Mark Levine, 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 2021. 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 before license renewal was started.

The survey responses were compared against a list of all dentists who renewed their license. The Office of Professional Regulation followed up with 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. One hundred and twenty-six dentists renewed their Vermont licenses but reported that they do not practice in Vermont - 37 of them said they expect to start (or resume) practicing in Vermont within the next 12 months. These 126 dentists are excluded from this report. Also excluded are 8 dentists that reported fewer than 2 patient care hours per week on 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, Statistics and Informatics, Health Care Workforce Census, 280 State Drive, Waterbury, VT 05671-1080, tel. (802) 863-7300, or email AHS.VDHPhysicianCensus@vermont.gov.

Summary of the 2021 Dentist Survey Results

- ◆ This report includes data reported by 393 dentists providing patient care in Vermont. This represents 297 full-time equivalents, of which 243.1 are in primary care.
- ◆ 315 dentists work mainly in primary care including:
 - 301 General
 - 14 Pediatric
- ◆ 78 dentists provide mainly specialty care including:
 - 20 Oral Surgery
 - 13 Endodontics
 - 25 Orthodontics
 - 12 Periodontics
 - 5 Prosthodontics
 - 3 Other Specialties
- ◆ Patient care hours per week (does *not* include administration, teaching, and research):
 - 30% 40 or more hours per week
 - 40% 30 to 39 hours per week
 - 30% less than 30 hours per week
- ◆ 124, or 32%, of the dentists are female. Of the 163 dentists under age 45, 78 (48%) are female.
- ◆ 39% (153) of the dentists are 55 or older, and 18% (70) are 65 or older.
- ◆ Between 2019 and 2021 there was a net increase of 15 dentists in the under 45 age group, net increase of 2 dentists in the 45-64 age group, and a decrease of 13 dentists in the 65+ age group.
- ◆ There are two more dentists providing primary care in Vermont in 2021 compared to 2019, but the total primary care FTEs decreased by 2.9, while two more dentists are providing specialty care and specialist FTEs increased by 1.6.
- ◆ As compared with 2019, less dentists are providing 30 to 39 hours or more of patient care per week and more dentists are either working 40 or more hours a week or less than 30 hours a week.
- ◆ As compared with 2019, the largest increases in primary care FTEs were in Windham and Windsor counties. The largest decreases were in Caledonia, Rutland, and Bennington counties.
- ◆ The reported percentage accepting new patients is 94% and the percentage accepting new Medicaid patients is 46%, which are both lower than in 2019.
- ◆ Relative to 2019, the average reported weeks wait for an appointment for a new patient with a general dentist has increased greatly, from 2.7 to 4.4 weeks, and it has also increased slightly from 4.0 to 4.1 weeks for new patients of pediatric dentists.

Comparison of Selected Data, 2007-2021

	2007	2009	2011	2013	2015	2017	2019	2021
Total active* dentists	355	366	368	369	383	381	389	393
Primary care dentists	282	292	297	298	312	313	313	315
General practice	272	280	288	286	301	299	299	301
Pediatric dentistry	10	12	9	12	11	14	14	14
Specialist dentists	73	74	71	71	71	68	76	78
Oral Surgery	24	26	23	23	21	21	22	20
Endodontics	7	9	10	11	13	13	15	13
Orthodontics	27	24	25	24	23	22	22	25
Periodontics	11	12	11	10	10	9	13	12
Prosthodontics	2	2	1	1	2	2	3	5
Other Specialties	2	1	1	2	2	1	1	2
Percent of dentists under age 40	16%	18%	19%	20%	21%	25%	28%	30%
Percent of dentists age 55 or older	44%	47%	49%	48%	50%	48%	44%	39%
Percent of dentists age 60 or older	26%	30%	34%	34%	35%	35%	34%	30%
Percent of dentists age 65 or older	10%	13%	17%	21%	21%	24%	21%	18%
Average patient care hours per week	31	30	31	33	30	31	32	32
Total Full Time Equivalents (FTEs) *	269.8	271.6	281.2	290.8	290.1	289.7	298.3	297.0
Primary care:								
Full Time Equivalents (FTEs) *	221.6	217.7	229.0	238.4	240.1	242.7	246.0	243.1
FTEs per 100,000 population **	35.5	34.8	36.6	38.0	38.3	38.9	39.7	38.1
% accepting new patients	90%	92%	92%	90%	96%	96%	97%	94%
% accepting new Medicaid patients	60%	65%	69%	63%	66%	60%	57%	46%
Weeks wait for appt. - new patient	3.5	2.9	2.8	3.2	3.6	2.5	2.7	4.4
Percent working with dental hygienists	90%	91%	92%	93%	93%	94%	95%	94%
% of FTEs in Chittenden County	30%	31%	31%	31%	32%	31%	33%	34%
Specialty care:								
Full Time Equivalents (FTEs) *	48.2	53.9	52.1	52.4	50.0	46.9	52.3	53.9
FTEs per 100,000 population **	7.7	8.6	8.3	8.4	8.0	7.5	8.4	8.4
% accepting new patients	97%	99%	99%	91%	93%	100%	100%	95%
Accepting new Medicaid patients	68%	67%	70%	68%	63%	60%	46%	50%
% of FTEs in Chittenden County	44%	42%	41%	43%	48%	46%	48%	48%

* providing patient care in Vermont

** population estimates for 2007-2009 revised after 2010 census

Vermont Dentists

Demographic Characteristics

Table 1 -- VT Dentists, 2021
Summary of Active Dentists

TOTAL	393	(100%)
Type of Practice:		
Primary Care Total	315	(80%)
General	301	(77%)
Pediatric	14	(4%)
Specialty Care Total	78	(20%)
Oral Surgery	20	(5%)
Endodontics	13	(3%)
Orthodontics	25	(6%)
Periodontics	12	(3%)
Prosthodontics	5	(1%)
Public Health	1	(0%)
Other Specialties	2	(1%)
Age groups:		
less than 35	62	(16%)
35 - 39	55	(14%)
40 - 44	46	(12%)
45 - 49	47	(12%)
50 - 54	30	(8%)
55 - 59	37	(9%)
60 - 64	46	(12%)
65 - 69	33	(8%)
70 and over	37	(9%)
Gender:		
Male	268	(68%)
Female	124	(32%)
Other	1	(0%)
Patient care hours:		
less than 30 hours/week	118	(30%)
30 to 39 hours/week	156	(40%)
40 or more hours/week	118	(30%)
Number of practice sites:		
One	332	(84%)
Two	47	(12%)
Three or more	14	(4%)
Tried to add an associate in past 2 years:		
Yes, with success	117	(30%)
Yes, without success	56	(14%)
Interested but did not try	36	(9%)
Not interested	178	(46%)
Unknown	6	

Table 2 -- VT Dentists, 2021
Age by Type of Practice and by Gender

	Total	Number in Age Group				
		<35	35-44	45-54	55-64	65+
TOTAL	393	62	101	77	83	70
MALES	268	33	52	55	66	62
FEMALES	124	29	49	22	16	8
PRIMARY CARE	315	55	82	57	68	53
General	301	52	76	55	65	53
Pediatric	14	3	6	2	3	.
SPECIALTY CARE	78	7	19	20	15	17
Oral Surgery	20	1	3	6	6	4
Endodontics	13	1	8	2	1	1
Orthodontics	25	1	4	8	4	8
Periodontics	12	2	2	3	3	2
Prosthodontics	5	1	1	1	1	1
Public Health	1	.	1	.	.	.
Other Specialties	2	1	.	.	.	1

	Total	Percent in Age Group				
		<35	35-44	45-54	55-64	65+
TOTAL	100%	16%	26%	20%	21%	18%
MALES	100%	12%	19%	21%	25%	23%
FEMALES	100%	23%	40%	18%	13%	6%
PRIMARY CARE	100%	17%	26%	18%	22%	17%
SPECIALTY CARE	100%	9%	24%	26%	19%	22%

See Note 1 regarding determination of ages.

Table 3 -- VT Dentists, 2021
Age by Type of Practice by Gender

Type of Practice	Total	Number in Age Group				
		<35	35-44	45-54	55-64	65+
TOTAL	393	62	101	77	83	70
MALES	268	33	52	55	66	62
PRIMARY CARE	209	28	40	42	54	45
General	199	26	37	40	51	45
Pediatric	10	2	3	2	3	.
SPECIALTY CARE	59	5	12	13	12	17
Oral Surgery	19	1	3	6	5	4
Endodontics	6	1	3	1	.	1
Orthodontics	21	1	4	4	4	8
Periodontics	6	1	.	1	2	2
Prosthodontics	5	1	1	1	1	1
Public Health	1	.	1	.	.	.
Other Specialties	1	.	.	.	.	1
FEMALES	124	29	49	22	16	8
PRIMARY CARE	105	27	42	15	13	8
General	101	26	39	15	13	8
Pediatric	4	1	3	.	.	.
SPECIALTY CARE	19	2	7	7	3	.
Oral Surgery	1	.	.	.	1	.
Endodontics	7	.	5	1	1	.
Orthodontics	4	.	.	4	.	.
Periodontics	6	1	2	2	1	.
Other Specialties	1	1	.	.	.	.

See Note 1 regarding determination of ages.
1 dentist selected other gender and is only included on the total line.

Table 4 -- VT Dentists, 2021
Age by County

County	Total	Number in Age Group				
		<35	35-44	45-54	55-64	65+
STATEWIDE TOTAL						
Total	393	62	101	77	83	70
Primary Care	315	55	82	57	68	53
Specialists	78	7	19	20	15	17
Addison County						
Primary Care	15	2	4	4	4	1
Specialists	2	.	.	2	.	.
Bennington County						
Primary Care	20	2	5	3	4	6
Specialists	6	.	1	2	1	2
Caledonia County						
Primary Care	13	2	3	2	5	1
Specialists	2	.	.	1	.	1
Chittenden County						
Primary Care	107	14	32	23	20	18
Specialists	35	5	6	9	8	7
Essex County						
Primary Care	1	.	.	1	.	.
Specialists	.	.	.	.	.	.
Franklin County						
Primary Care	18	2	6	3	5	2
Specialists	1	.	.	1	.	.
Lamoille County						
Primary Care	12	4	2	2	1	3
Specialists	.	.	.	.	.	.
Orange County						
Primary Care	8	.	1	2	4	1
Specialists	1	.	1	.	.	.
Orleans County						
Primary Care	9	4	1	1	2	1
Specialists	.	.	.	.	.	.
Rutland County						
Primary Care	27	4	8	3	6	6
Specialists	6	.	2	.	3	1
Washington County						
Primary Care	28	8	3	7	4	6
Specialists	9	1	3	2	2	1
Windham County						
Primary Care	28	9	7	3	5	4
Specialists	9	1	4	2	1	1
Windsor County						
Primary Care	29	4	10	3	8	4
Specialists	7	.	2	1	.	4

No dentist reported practicing in Grand Isle County.

Each dentist is counted once in this table in their main county of practice.

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

Table 5a -- VT Dentists, 2021
Years in Clinical Practice

In Clinical Practice	Anywhere	In Vermont
Total	393	393
less than a year	6 (2%)	21 (5%)
1 to 2 years	23 (6%)	51 (13%)
3 to 4 years	27 (7%)	30 (8%)
5 to 9 years	56 (15%)	71 (18%)
10 to 14 years	51 (13%)	43 (11%)
15 to 19 years	28 (7%)	22 (6%)
20 to 24 years	44 (11%)	40 (10%)
25 to 29 years	24 (6%)	25 (6%)
30 to 34 years	40 (10%)	29 (8%)
35 to 39 years	34 (9%)	23 (6%)
40 years or more	53 (14%)	33 (9%)
Unknown	7	5
Median Years	20	13

Table 5b -- VT Dentists, 2021
Race and Ethnicity

Race:

Asian	36 (9%)
Black or African American	6 (2%)
White	317 (81%)
Other	3 (1%)
Prefer not to answer	34 (9%)

Ethnicity:

Hispanic, Latino/a, or Spanish	5 (1%)
Not Hispanic, Latino/a, or Spanish	361 (93%)
Prefer not to answer	24 (6%)

More than one race could be selected by an individual. None selected American Indian, Alaska Native, Native Hawaiian, or Pacific Islander. Other includes 3 write-in responses.

Missing data from 3 respondents on ethnicity.

Vermont Dentists

Distribution of Full Time Equivalents (FTEs)

Table 6 -- VT Dentists, 2021
 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	393 297.0 12482		315 243.1 10186	78 53.9 2296
Addison County	21 13.8 553		16 12.1 485	5 1.7 67
Bennington County	27 19.6 800		21 15.7 644	6 3.9 156
Caledonia County	16 10.3 481		14 10.1 471	2 .3 10
Chittenden County	144 107.9 4647		108 81.9 3502	36 26.0 1144
Essex County	2 1.1 42		2 1.1 42	. . .
Franklin County	24 15.6 653		21 13.9 562	3 1.7 91
Grand Isle County	.. .		.. .	.. .
Lamoille County	15 9.9 403		12 9.3 379	3 .6 25
Orange County	9 7.4 301		8 7.4 299	1 .1 2
Orleans County	12 7.7 316		10 7.5 308	2 .2 8
Rutland County	38 27.2 1109		31 21.7 884	7 5.5 225
Washington County	46 30.0 1264		35 23.0 979	11 7.0 285
Windham County	38 21.9 891		29 19.2 785	9 2.7 107
Windsor County	39 24.5 1021		32 20.1 845	7 4.4 176

No dentist reported practicing in Grand Isle County.
 In this table dentists may be counted in more than one county
 (see Note 4).

Table 7 -- VT Dentists, 2021
 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		315 243.1 10186	301 233.9 9777	14 9.2 408
Addison County		16 12.1 485	14 10.1 405	2 2.0 80
Bennington County		21 15.7 644	21 15.7 644	. . .
Caledonia County		14 10.1 471	14 10.1 471	. . .
Chittenden County		108 81.9 3502	98 76.3 3238	10 5.6 264
Essex County		2 1.1 42	2 1.1 42	. . .
Franklin County		21 13.9 562	21 13.9 562	. . .
Grand Isle County	
Lamoille County		12 9.3 379	12 9.3 379	. . .
Orange County		8 7.4 299	8 7.4 299	. . .
Orleans County		10 7.5 308	10 7.5 308	. . .
Rutland County		31 21.7 884	31 21.7 884	. . .
Washington County		35 23.0 979	35 23.0 979	. . .
Windham County		29 19.2 785	29 19.2 785	. . .
Windsor County		32 20.1 845	30 18.5 781	2 1.6 64

No dentist reported practicing in Grand Isle County.
 Dentists may be counted in more than one county (Note 4).

Table 8 -- VT Dentists, 2021
 Numbers of Specialty Care Dentists, Full Time Equivalents
 (FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY	ORAL	ENDO-	ORTHO-	PERIO-	PROSTHO-	OTHER
	CARE TOTAL	SURGERY	DONTICS	DONTICS	DONTICS	DONTICS	
STATEWIDE TOTAL	78	20	13	25	12	5	3
	53.9	12.6	10.6	17.9	7.1	3.0	2.7
	2296	532	430	792	289	136	118
Addison County	5	1	1	3	.	.	.
	1.7	1.0	.1	.6	.	.	.
	67	40	3	24	.	.	.
Bennington County	6	2	.	1	2	.	1
	3.9	1.1	.	.8	1.2	.	.8
	156	44	.	30	50	.	32
Caledonia County	2	.	.	1	1	.	.
	.3	.	.	.1	.1	.	.
	10	.	.	6	4	.	.
Chittenden County	36	6	5	13	6	4	2
	26.0	4.3	4.1	8.8	4.7	2.2	1.9
	1144	193	166	404	191	104	86
Essex County	.	.	.	.	.	.	.

Franklin County	3	.	.	2	.	1	.
	1.7	.	.	.9	.	.8	.
	91	.	.	59	.	32	.
Grand Isle County	.	.	.	.	.	.	.

Lamoille County	3	2	.	1	.	.	.
	.6	.6	.	.0	.	.	.
	25	24	.	1	.	.	.
Orange County	1	.	.	.	1	.	.
	.1	.	.	.	.1	.	.
	2	.	.	.	2	.	.
Orleans County	2	.	.	2	.	.	.
	.2	.	.	.2	.	.	.
	8	.	.	8	.	.	.
Rutland County	7	2	2	2	1	.	.
	5.5	1.1	2.0	1.4	1.0	.	.
	225	49	80	56	40	.	.
Washington County	11	3	4	4	.	.	.
	7.0	1.8	2.7	2.6	.	.	.
	285	72	111	102	.	.	.
Windham County	9	6	.	2	1	.	.
	2.7	2.2	.	.5	.1	.	.
	107	87	.	18	2	.	.
Windsor County	7	2	2	3	.	.	.
	4.4	.6	1.8	2.1	.	.	.
	176	23	70	84	.	.	.

No dentist reported practicing in Grand Isle County.
 In this table dentists may be counted in more than one county (see Note 4).

Table 9 -- VT Dentists, 2021
 Primary Care Dentistry FTE to Population Ratios by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	243.1	638,149	38.1	2,625
Addison County	12.1	37,260	32.6	3,070
Bennington County	15.7	37,312	42.2	2,370
Caledonia County	10.1	30,403	33.1	3,020
Chittenden County	81.9	168,865	48.5	2,062
Essex County	1.1	5,925	17.7	5,643
Franklin County	13.9	50,325	27.6	3,619
Lamoille County	9.3	26,126	35.8	2,797
Orange County	7.4	29,541	25.0	3,993
Orleans County	7.5	27,546	27.1	3,691
Rutland County	21.7	60,591	35.8	2,790
Washington County	23.0	59,969	38.4	2,602
Windham County	19.2	46,090	41.6	2,402
Windsor County	20.1	58,196	34.5	2,895

Only General and Pediatric dentists are included.
 No dentist reported practicing in Grand Isle County.
 Population estimates are for 2021 (see Note 7).
 All worksites of each dentist are counted in this table(see 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, 2021
FTEs by Age by County

County	Total	FTEs in Age Group				
		<35	35-44	45-54	55-64	65+
STATEWIDE TOTAL						
Total	297.0	50.6	78.9	60.6	67.1	39.8
Primary Care	243.1	46.1	66.0	45.3	54.4	31.2
Specialists	53.9	4.5	12.9	15.3	12.6	8.6
Addison County						
Primary Care	12.1	2.4	3.3	3.5	2.8	.1
Specialists	1.7	.	.1	1.4	.	.2
Bennington County						
Primary Care	15.7	1.9	4.3	2.5	3.3	3.8
Specialists	3.9	.	.8	1.4	.8	.9
Caledonia County						
Primary Care	10.1	1.8	2.0	1.4	3.8	1.0
Specialists	.3	.	.	.1	.	.1
Chittenden County						
Primary Care	81.9	11.0	26.5	17.4	15.7	11.3
Specialists	26.0	3.5	4.6	7.1	7.1	3.7
Essex County						
Primary Care	1.1	.	.3	.8	.	.
Specialists	.	.	.	.	.	.
Franklin County						
Primary Care	13.9	2.2	4.8	2.6	3.8	.6
Specialists	1.7	.	.	1.7	.	.
Specialists	.	.	.	.	.	.
Lamoille County						
Primary Care	9.3	3.0	2.0	1.9	.9	1.6
Specialists	.6	.0	.3	.	.3	.
Orange County						
Primary Care	7.4	.	1.0	1.8	3.6	1.0
Specialists	.1	.	.1	.	.	.
Orleans County						
Primary Care	7.5	3.7	.8	.3	2.0	.8
Specialists	.2	.	.0	.	.	.2
Rutland County						
Primary Care	21.7	3.7	7.2	2.3	4.0	4.6
Specialists	5.5	.	2.0	.	3.0	.5
Washington County						
Primary Care	23.0	8.2	2.3	6.3	4.0	2.3
Specialists	7.0	.8	2.2	1.5	1.4	1.2
Windham County						
Primary Care	19.2	5.9	4.1	2.5	3.9	2.9
Specialists	2.7	.2	1.1	1.2	.1	.1
Windsor County						
Primary Care	20.1	2.5	7.5	2.1	6.6	1.4
Specialists	4.4	.	1.8	1.0	.	1.7

No dentist reported practicing in Grand Isle County.
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, 2021
 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	297.0	98.2	103.3	62.8	26.0	6.7
PRIMARY CARE	243.1	78.7	82.1	50.5	25.9	6.0
General	233.9	78.4	78.2	45.4	25.9	6.0
Pediatric	9.2	.3	3.9	5.1	.	.
SPECIALTY CARE	53.9	19.6	21.2	12.3	.1	.7
Oral Surgery	12.6	4.9	5.6	1.6	.1	.5
Endodontics	10.6	3.6	4.3	2.7	.	.
Orthodontics	17.9	7.4	3.9	6.5	.1	.
Periodontics	7.1	2.6	2.9	1.6	.	.
Prosthodontics	3.0	1.0	1.8	.	.	.2
Public Health	.8	.	.8	.	.	.
Other Specialties	1.9	.	1.9	.	.	.

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

Vermont Dentists

Training

Table 12 -- VT Dentists, 2021
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	393	105	115	66	64	20	23
PRIMARY CARE	315	83	93	54	51	17	17
General	301	80	87	52	48	17	17
Pediatic	14	3	6	2	3	.	.
SPECIALTY CARE	78	22	22	12	13	3	6
Oral Surgery	20	5	5	2	5	1	2
Endodontics	13	6	2	4	.	1	.
Orthodontics	25	9	5	5	5	1	.
Periodontics	12	2	3	1	3	.	3
Prosthodontics	5	.	5	.	.	.	.
Public Health	1	.	.	.	.	.	1
Other Specialties	2	.	2	.	.	.	.

See Note 12 for definition of regions.

Table 13 -- VT Dentists, 2021
UVM Dental GPR Program Participation by Type of Practice

Type of Practice	Total	Ever Enrolled in UVM GPR Program		
		Yes	No	Unknown
TOTAL	393	46	343	4
PRIMARY CARE	315	42	270	3
General	301	42	256	3
Pediatric	14	.	14	.
SPECIALTY CARE	78	4	73	1
Oral Surgery	20	1	19	.
Endodontics	13	1	11	1
Orthodontics	25	1	24	.
Periodontics	12	.	12	.
Prosthodontics	5	.	5	.
Public Health	1	.	1	.
Other Specialties	2	1	1	.

Vermont Dentists
Practice Characteristics

Table 14 -- VT Dentists, 2021
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	393	123	132	89	32	17
Type of Practice						
General	301	97	98	62	30	14
Pediatric	14	2	6	6	.	.
Oral Surgery	20	5	7	6	1	1
Endodontics	13	4	5	4	.	.
Orthodontics	25	11	5	8	1	.
Periodontics	12	3	6	3	.	.
Prosthodontics	5	1	2	.	.	2
Public Health	1	.	1	.	.	.
Other Specialties	2	.	2	.	.	.
Age Group						
Younger than 35	62	7	27	18	7	3
35 - 44	101	23	33	31	13	1
45 - 54	77	34	24	15	4	.
55 - 59	37	14	11	7	2	3
60 - 64	46	22	15	4	1	4
65 or older	70	23	22	14	5	6
Gender						
Male	268	96	82	58	20	12
Female	124	27	49	31	12	5

Each dentist is counted once in each section of this table in their main practice setting. One dentist is not included in the Gender section.

Table 15 -- VT Dentists, 2021
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	393	32	33	33	28
PRIMARY CARE	315	32	34	33	29
General	301	32	35	33	29
Pediatric	14	29	31	23	40
SPECIALTY CARE	78	29	27	34	26
Oral Surgery	20	27	19	31	25
Endodontics	13	33	36	24	33
Orthodontics	25	32	24	44	21
Periodontics	12	24	16	24	35
Prosthodontics	5	27	22	32	30
Other Specialties	3	39	41	.	36

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

Table 16 -- VT Dentists, 2021
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	393	319 (83%)	366 (96%)	98 (26%)	53 (16%)
PRIMARY CARE	315	290 (94%)	294 (96%)	87 (29%)	50 (19%)
General	301	277 (94%)	281 (96%)	86 (30%)	48 (19%)
Pediatric	14	13 (100%)	13 (100%)	1 (8%)	2 (18%)
SPECIALTY CARE	78	29 (38%)	72 (95%)	11 (15%)	3 (4%)
Oral Surgery	20	5 (25%)	18 (90%)	3 (17%)	0 (0%)
Endodontics	13	0 (0%)	12 (100%)	0 (0%)	0 (0%)
Orthodontics	25	9 (38%)	22 (92%)	3 (14%)	1 (5%)
Periodontics	12	11 (92%)	12 (100%)	3 (25%)	1 (10%)
Prosthodontics	5	3 (60%)	5 (100%)	2 (40%)	1 (25%)
Public Health	1	1 (100%)	1 (100%)	0 (0%)	0 (0%)
Other Specialties	2	0 (0%)	2 (100%)	0 (0%)	0 (0%)

Table 17 -- VT Dentists, 2021
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	393	319 (83%)	366 (96%)	98 (26%)	53 (16%)
Solo Practice	123	90 (76%)	108 (91%)	14 (13%)	13 (12%)
2 Dentists	132	116 (90%)	127 (98%)	29 (23%)	16 (16%)
3+ Dentists	89	75 (86%)	87 (100%)	37 (43%)	10 (13%)
Community Clinic	32	31 (100%)	32 (103%)	16 (50%)	9 (43%)
All Others	17	7 (41%)	12 (71%)	2 (17%)	5 (31%)

This table counts dentists, not sites nor hygienists/assistants.
Multiple dentists may work with the same hygienist/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.

Table 18 -- VT Dentists, 2021
Practice Availability by Type of Practice

Type of Practice	Total Dentists	Average Weeks Wait New Patient	Average Weeks Wait Current Patient
TOTAL OFFICE	376	4.3	3.2
PRIMARY CARE	301	4.4	3.2
General	287	4.4	3.2
Pediatric	14	4.1	4.1
SPECIALTY CARE	75	4.1	3.1
Oral Surgery	19	4.3	3.8
Endodontics	13	1.6	2.1
Orthodontics	25	3.6	2.7
Periodontics	12	3.7	2.3
Prosthodontics	3	11.7	8.3
Other Specialties	3	6.0	3.3

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	376	94%	46%	79%	25%	67%
PRIMARY CARE	301	94%	46%	76%	21%	69%
General	287	94%	43%	75%	18%	68%
Pediatric	14	100%	100%	100%	85%	100%
SPECIALTY CARE	75	95%	50%	90%	42%	58%
Oral Surgery	19	100%	69%	93%	63%	74%
Endodontics	13	100%	0%	100%	0%	0%
Orthodontics	25	86%	55%	77%	55%	64%
Periodontics	12	100%	55%	100%	18%	67%
Prosthodontics	3	100%	.%	100%	.%	.%
Other Specialties	3	100%	100%	100%	100%	100%

Dentists were asked if they accept 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 (14 for wait time, 8 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, 2021
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	358	93%	46%	75%	22%	4.3	3.2
Specialists	95	96%	57%	91%	49%	3.6	2.8
Addison County							
Primary Care	15	79%	57%	64%	43%	3.3	4.0
Specialists	5	100%	80%	80%	80%	1.5	2.3
Bennington County							
Primary Care	22	86%	27%	68%	14%	4.6	4.3
Specialists	6	100%	67%	100%	67%	3.7	3.2
Caledonia County							
Primary Care	14	93%	54%	57%	15%	9.2	5.0
Specialists	2	100%	100%	100%	100%	2.0	3.0
Chittenden County							
Primary Care	127	98%	56%	82%	31%	3.4	2.4
Specialists	40	100%	64%	97%	48%	3.9	2.8
Essex County							
Primary Care	2	100%	100%	100%	100%	5.0	3.5
Franklin County							
Primary Care	21	100%	60%	84%	30%	4.1	3.0
Specialists	3	67%	50%	67%	50%	2.0	1.0
Lamoille County							
Primary Care	13	85%	33%	54%	0%	6.5	3.8
Specialists	3	100%	100%	100%	100%	4.0	3.0
Orange County							
Primary Care	8	88%	50%	75%	25%	6.4	2.8
Specialists	1	100%	100%	100%	100%	4.0	1.0
Orleans County							
Primary Care	10	90%	78%	60%	44%	5.4	3.3
Specialists	2	100%	100%	100%	100%	.5	1.0
Rutland County							
Primary Care	32	80%	37%	73%	17%	3.6	4.0
Specialists	7	80%	43%	80%	43%	5.8	3.5
Washington County							
Primary Care	37	97%	30%	70%	3%	5.4	3.5
Specialists	11	100%	40%	100%	40%	4.1	3.7
Windham County							
Primary Care	29	97%	31%	76%	14%	2.6	2.2
Specialists	9	100%	43%	83%	29%	3.4	3.1
Windsor County							
Primary Care	28	96%	30%	78%	19%	5.4	4.0
Specialists	6	80%	0%	60%	0%	1.8	2.0

No dentist reported practicing in Grand Isle County.
Data are for office settings only (see Note 11). Each site a dentist practices in is counted separately. 15 missing acceptance of patients and 13 missing weeks wait. Denominators for percentages do not include unknowns.
See Note 10 for information about practice availability.

Table 20 -- VT Dentists, 2021
 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	393	117	56	36	178
Type of Practice					
General	301	87	42	29	138
Pediatric	14	8	3	.	3
Oral Surgery	20	6	3	3	8
Endodontics	13	3	1	.	8
Orthodontics	25	6	3	3	13
Periodontics	12	4	2	.	6
Prosthodontics	5	1	2	.	2
Public Health	1	1	.	.	.
Other Specialties	2	1	.	1	.
Age Group					
Younger than 35	62	32	8	2	20
35 - 44	101	33	16	11	38
45 - 54	77	24	7	3	43
55 - 59	37	6	4	2	24
60 - 64	46	4	11	12	17
65 or older	70	18	10	6	36
Main Setting					
Solo Practice	123	5	22	20	73
2 Dentists	132	43	13	13	61
3+ Dentists	89	53	10	2	23
Community Clinic	32	14	9	.	9
Volunteer Clinic	2	1	.	.	1
Nursing Home	2	.	.	.	2
Hospital	2	1	.	.	1
Other	11	.	2	1	8

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 6 dentists missing data on recruiting a dentist.

Table 21 -- VT Dentists, 2021
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	315	95	45	29	141
Specialists	78	22	11	7	37
Addison County					
Primary Care	15	3	2	2	7
Specialists	2	.	.	.	2
Bennington County					
Primary Care	20	4	5	1	10
Specialists	6	1	1	2	2
Caledonia County					
Primary Care	13	1	5	1	6
Specialists	2	.	1	.	1
Chittenden County					
Primary Care	107	36	11	12	48
Specialists	35	9	6	2	18
Essex County					
Primary Care	1	1	.	.	.
Franklin County					
Primary Care	18	7	1	2	8
Specialists	1	1	.	.	.
Lamoille County					
Primary Care	12	7	2	.	3
Orange County					
Primary Care	8	.	1	1	5
Specialists	1	.	1	.	.
Orleans County					
Primary Care	9	4	1	.	4
Rutland County					
Primary Care	27	5	7	4	9
Specialists	6	1	.	1	4
Washington County					
Primary Care	28	9	3	2	13
Specialists	9	3	.	2	3
Windham County					
Primary Care	28	11	4	2	11
Specialists	9	5	1	.	3
Windsor County					
Primary Care	29	7	3	2	17
Specialists	7	2	1	.	4

No dentist reported practicing in Grand Isle County.
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 6 dentists missing data on recruiting a dentist.

Distribution of Vermont Dentists
by Hospital Service Areas

Table 22 -- VT Dentists, 2021
 Numbers of Dentists, Full Time Equivalents (FTEs), and
 Total Weekly Patient Care Hours, by Hospital Service Area

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		393 297.0 12482	315 243.1 10186	78 53.9 2296
Barre		46 30.0 1264	35 23.0 979	11 7.0 285
Bennington		29 21.5 887	23 17.6 731	6 3.9 156
Brattleboro		32 16.3 653	23 13.6 547	9 2.7 107
Burlington		145 108.8 4683	109 82.8 3538	36 26.0 1144
Middlebury		21 13.8 553	16 12.1 485	5 1.7 67
Morrisville		18 11.9 480	15 11.3 455	3 .6 25
Newport		13 8.7 358	11 8.5 350	2 .2 8
Randolph		5 3.6 144	4 3.5 142	1 .1 2
Rutland		38 27.2 1109	31 21.7 884	7 5.5 225
Springfield		18 12.2 504	17 11.2 465	1 1.0 39
St. Albans		24 15.6 653	21 13.9 562	3 1.7 91
St. Johnsbury		12 7.5 369	10 7.3 359	2 .3 10
White River Jct		29 19.9 826	23 16.4 688	6 3.4 138

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

Table 23 -- VT Dentists, 2021
FTEs by Age by Hospital Service Area

Hospital Service Area	Total	FTEs in Age Group				
		<35	35-44	45-54	55-64	65+
STATEWIDE TOTAL						
Total	297.0	50.6	78.9	60.6	67.1	39.8
Primary Care	243.1	46.1	66.0	45.3	54.4	31.2
Specialists	53.9	4.5	12.9	15.3	12.6	8.6
Barre						
Primary Care	23.0	8.2	2.3	6.3	4.0	2.3
Specialists	7.0	.8	2.2	1.5	1.4	1.2
Bennington						
Primary Care	17.6	1.9	5.1	2.5	3.3	4.8
Specialists	3.9	.	.8	1.4	.8	.9
Brattleboro						
Primary Care	13.6	5.9	3.2	.6	2.1	1.9
Specialists	2.7	.2	1.1	1.2	.1	.1
Burlington						
Primary Care	82.8	11.0	26.5	17.4	16.6	11.3
Specialists	26.0	3.5	4.6	7.1	7.1	3.7
Middlebury						
Primary Care	12.1	2.4	3.3	3.5	2.8	.1
Specialists	1.7	.	.1	1.4	.	.2
Morrisville						
Primary Care	11.3	3.9	3.1	1.9	.8	1.6
Specialists	.6	.0	.3	.	.3	.
Newport						
Primary Care	8.5	3.7	1.0	1.1	2.0	.8
Specialists	.2	.	.0	.	.	.2
Randolph						
Primary Care	3.5	.	.	.9	2.6	.
Specialists	.1	.	.1	.	.	.
Rutland						
Primary Care	21.7	3.7	7.2	2.3	4.0	4.6
Specialists	5.5	.	2.0	.	3.0	.5
Springfield						
Primary Care	11.2	1.3	.9	3.2	5.0	.9
Specialists	1.0	.	.	1.0	.	.
St. Albans						
Primary Care	13.9	2.2	4.8	2.6	3.8	.6
Specialists	1.7	.	.	1.7	.	.
St. Johnsbury						
Primary Care	7.3	.9	.9	1.4	3.1	1.0
Specialists	.3	.	.	.1	.	.1
White River Jct						
Primary Care	16.4	1.2	7.7	1.7	4.4	1.5
Specialists	3.4	.	1.8	.	.	1.7

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 24 -- VT Dentists, 2021
 Primary Care Dentistry FTE to Population Ratios
 by Hospital Service Area

HSA	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	243.1	645,570	37.7	2,656
Barre	23.0	68,131	33.8	2,956
Bennington	17.6	40,921	43.0	2,323
Brattleboro	13.6	33,934	40.1	2,492
Burlington	82.8	189,168	43.8	2,284
Middlebury	12.1	28,942	41.9	2,385
Morrisville	11.3	27,606	40.8	2,453
Newport	8.5	28,067	30.3	3,297
Randolph	3.5	14,455	24.5	4,074
Rutland	21.7	61,261	35.4	2,821
Springfield	11.2	28,586	39.2	2,549
St. Albans	13.9	46,454	29.9	3,340
St. Johnsbury	7.3	27,650	26.2	3,811
White River Jct	16.4	50,395	32.6	3,066

Only General and Pediatric dentists are included.

Population estimates are for 2021 (see Note 7).

All worksites of each dentist are counted in this table (see 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, 2021
Practice Availability by Hospital Service Area

Hospital Service 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	358	93%	46%	75%	22%	4.3	3.2
Specialists	95	96%	57%	91%	49%	3.6	2.8
Barre							
Primary Care	37	97%	30%	70%	3%	5.4	3.5
Specialists	11	100%	40%	100%	40%	4.1	3.7
Bennington							
Primary Care	24	88%	29%	71%	13%	4.7	4.3
Specialists	6	100%	67%	100%	67%	3.7	3.2
Brattleboro							
Primary Care	23	96%	35%	74%	17%	2.6	2.5
Specialists	9	100%	43%	83%	29%	3.4	3.1
Burlington							
Primary Care	128	98%	56%	82%	30%	3.4	2.4
Specialists	40	100%	64%	97%	48%	3.9	2.8
Middlebury							
Primary Care	15	79%	57%	64%	43%	3.3	4.0
Specialists	5	100%	80%	80%	80%	1.5	2.3
Morrisville							
Primary Care	16	81%	27%	56%	7%	10.1	5.9
Specialists	3	100%	100%	100%	100%	4.0	3.0
Newport							
Primary Care	12	92%	82%	67%	55%	5.4	3.3
Specialists	2	100%	100%	100%	100%	.5	1.0
Randolph							
Primary Care	4	100%	50%	100%	50%	2.3	1.8
Specialists	1	100%	100%	100%	100%	4.0	1.0
Rutland							
Primary Care	32	80%	37%	73%	17%	3.6	4.0
Specialists	7	80%	43%	80%	43%	5.8	3.5
Springfield							
Primary Care	16	93%	33%	80%	33%	3.2	1.8
Specialists	1	100%	0%	100%	0%	3.0	4.0
St. Albans							
Primary Care	21	100%	60%	84%	30%	4.1	3.0
Specialists	3	67%	50%	67%	50%	2.0	1.0
St. Johnsbury							
Primary Care	10	100%	67%	50%	11%	6.0	2.5
Specialists	2	100%	100%	100%	100%	2.0	3.0
White River Jct							
Primary Care	20	95%	25%	70%	0%	7.2	4.9
Specialists	5	75%	0%	50%	0%	1.3	1.6

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 (13 missing weeks wait and 15 missing acceptance of patients). See Note 10 for information about practice availability.

Distribution of Vermont Dentists
by Local Health Districts

Table 26 -- VT Dentists, 2021
 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		393 297.0 12482	315 243.1 10186	78 53.9 2296
Barre		46 30.0 1264	35 23.0 979	11 7.0 285
Bennington		27 19.6 800	21 15.7 644	6 3.9 156
Brattleboro		34 18.2 740	25 15.5 634	9 2.7 107
Burlington		144 107.9 4647	108 81.9 3502	36 26.0 1144
Middlebury		21 13.8 553	16 12.1 485	5 1.7 67
Morrisville		19 12.8 516	16 12.2 491	3 .6 25
Newport		13 8.7 358	11 8.5 350	2 .2 8
Rutland		38 27.2 1109	31 21.7 884	7 5.5 225
Springfield		18 12.2 504	17 11.2 465	1 1.0 39
St. Albans		24 15.6 653	21 13.9 562	3 1.7 91
St. Johnsbury		12 7.5 369	10 7.3 359	2 .3 10
Wht Rvr Jct		34 23.5 970	27 20.0 830	7 3.5 140

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

Table 27 -- VT Dentists, 2021
FTEs by Age by Local Health District

District	Total	FTEs in Age Group				
		<35	35-44	45-54	55-64	65+
STATEWIDE TOTAL						
Total	297.0	50.6	78.9	60.6	67.1	39.8
Primary Care	243.1	46.1	66.0	45.3	54.4	31.2
Specialists	53.9	4.5	12.9	15.3	12.6	8.6
Barre						
Primary Care	23.0	8.2	2.3	6.3	4.0	2.3
Specialists	7.0	.8	2.2	1.5	1.4	1.2
Bennington						
Primary Care	15.7	1.9	4.3	2.5	3.3	3.8
Specialists	3.9	.	.8	1.4	.8	.9
Brattleboro						
Primary Care	15.5	5.9	4.1	.6	2.1	2.9
Specialists	2.7	.2	1.1	1.2	.1	.1
Burlington						
Primary Care	81.9	11.0	26.5	17.4	15.7	11.3
Specialists	26.0	3.5	4.6	7.1	7.1	3.7
Middlebury						
Primary Care	12.1	2.4	3.3	3.5	2.8	.1
Specialists	1.7	.	.1	1.4	.	.2
Morrisville						
Primary Care	12.2	3.9	3.1	1.9	1.7	1.6
Specialists	.6	.0	.3	.	.3	.
Newport						
Primary Care	8.5	3.7	1.0	1.1	2.0	.8
Specialists	.2	.	.0	.	.	.2
Rutland						
Primary Care	21.7	3.7	7.2	2.3	4.0	4.6
Specialists	5.5	.	2.0	.	3.0	.5
Springfield						
Primary Care	11.2	1.3	.9	3.2	5.0	.9
Specialists	1.0	.	.	1.0	.	.
St. Albans						
Primary Care	13.9	2.2	4.8	2.6	3.8	.6
Specialists	1.7	.	.	1.7	.	.
St. Johnsbury						
Primary Care	7.3	.9	.9	1.4	3.1	1.0
Specialists	.3	.	.	.1	.	.1
Wht Rvr Jct						
Primary Care	20.0	1.2	7.7	2.6	7.0	1.5
Specialists	3.5	.	1.8	.	.	1.7

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 28 -- VT Dentists, 2021
 Primary Care Dentistry FTE to Population Ratios
 by Local Health District

District	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	243.1	645,570	37.7	2,656
Barre	23.0	67,184	34.3	2,915
Bennington	15.7	37,312	42.2	2,370
Brattleboro	15.5	38,173	40.6	2,464
Burlington	81.9	168,836	48.5	2,061
Middlebury	12.1	37,111	32.7	3,058
Morrisville	12.2	32,340	37.6	2,661
Newport	8.5	28,067	30.3	3,297
Rutland	21.7	60,769	35.7	2,798
Springfield	11.2	34,218	32.8	3,051
St. Albans	13.9	57,746	24.1	4,152
St. Johnsbury	7.3	34,050	21.3	4,693
Wht Rvr Jct	20.0	49,764	40.2	2,490

Only General and Pediatric dentists are included.

Population estimates are for 2021 (see Note 7).

All worksites of each dentist are counted in this table (see 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, 2021
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	358	93%	46%	75%	22%	4.3	3.2
Specialists	95	96%	57%	91%	49%	3.6	2.8
Barre							
Primary Care	37	97%	30%	70%	3%	5.4	3.5
Specialists	11	100%	40%	100%	40%	4.1	3.7
Bennington							
Primary Care	22	86%	27%	68%	14%	4.6	4.3
Specialists	6	100%	67%	100%	67%	3.7	3.2
Brattleboro							
Primary Care	25	96%	36%	76%	16%	2.9	2.5
Specialists	9	100%	43%	83%	29%	3.4	3.1
Burlington							
Primary Care	127	98%	56%	82%	31%	3.4	2.4
Specialists	40	100%	64%	97%	48%	3.9	2.8
Middlebury							
Primary Care	15	79%	57%	64%	43%	3.3	4.0
Specialists	5	100%	80%	80%	80%	1.5	2.3
Morrisville							
Primary Care	17	82%	31%	59%	6%	9.6	5.7
Specialists	3	100%	100%	100%	100%	4.0	3.0
Newport							
Primary Care	12	92%	82%	67%	55%	5.4	3.3
Specialists	2	100%	100%	100%	100%	.5	1.0
Rutland							
Primary Care	32	80%	37%	73%	17%	3.6	4.0
Specialists	7	80%	43%	80%	43%	5.8	3.5
Springfield							
Primary Care	16	93%	33%	80%	33%	3.2	1.8
Specialists	1	100%	0%	100%	0%	3.0	4.0
St. Albans							
Primary Care	21	100%	60%	84%	30%	4.1	3.0
Specialists	3	67%	50%	67%	50%	2.0	1.0
St. Johnsbury							
Primary Care	10	100%	67%	50%	11%	6.0	2.5
Specialists	2	100%	100%	100%	100%	2.0	3.0
Wht Rvr Jct							
Primary Care	24	96%	29%	75%	8%	6.3	4.4
Specialists	6	80%	17%	60%	17%	2.0	1.5

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 (13 missing weeks wait and 15 missing acceptance of patients). See Note 10 for information about practice availability.

Vermont Dentists

Comparisons Between 2011, 2019 and 2021

Table 30 -- VT Dentists, 2019 and 2021
 Summary of Active Dentists, 2019 vs. 2021

	2019	2021	Change	
	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	389	393	+4	+1%
Type of Practice:				
Primary Care Total	313	315	+2	+1%
General	299	301	+2	+1%
Pediatric	14	14	0	0%
Specialty Care Total	76	78	+2	+3%
Oral Surgery	22	20	-2	-9%
Endodontics	15	13	-2	-13%
Orthodontics	22	25	+3	+14%
Periodontics	13	12	-1	-8%
Prosthodontics	3	5	+2	+67%
Other Specialties	1	2	+1	+100%
Age groups:				
Younger than 35	57	62	+5	+9%
35 - 39	51	55	+4	+8%
40 - 44	40	46	+6	+15%
45 - 49	41	47	+6	+15%
50 - 54	30	30	0	0%
55 - 59	37	37	0	0%
60 - 64	50	46	-4	-8%
65 and older	83	70	-13	-16%
Gender:				
Male	281	268	-13	-5%
Female	108	124	+16	+15%
Patient care hours:				
40 or more hours/week	105	118	+13	+12%
30 to under 40 hours/week	187	156	-31	-17%
Less than 30 hours/week	96	118	+22	+23%
Number of practice sites:				
One	328	332	+4	+1%
Two	49	47	-2	-4%
Three or more	12	14	+2	+17%
Tried to add an associate:				
Yes, with success	134	117	-17	-13%
Yes, without success	23	56	+33	+143%
Interested but did not try	27	36	+9	+33%
Not interested	201	178	-23	-11%
Unknown	4	6	+2	+50%

Table 31 -- VT Dentists, 2019 and 2021
Full Time Equivalentents (FTEs) by County

PRIMARY CARE:

	2019	2021	Change
	-----	-----	-----
STATE TOTAL	246.0	243.1	-2.9
Addison County	11.5	12.1	+.6
Bennington County	17.7	15.7	-2.0
Caledonia County	12.4	10.1	-2.3
Chittenden County	82.2	81.9	-.3
Essex County	.8	1.1	+.3
Franklin County	15.4	13.9	-1.5
Grand Isle County	.	.	.
Lamoille County	11.0	9.3	-1.7
Orange County	6.5	7.4	+.9
Orleans County	6.6	7.5	+.9
Rutland County	23.8	21.7	-2.1
Washington County	23.7	23.0	-.7
Windham County	16.8	19.2	+2.4
Windsor County	17.6	20.1	+2.5

SPECIALTY CARE:

	2019	2021	Change
	-----	-----	-----
STATE TOTAL	52.3	53.9	+1.6
Addison County	2.3	1.7	-.6
Bennington County	3.2	3.9	+.7
Caledonia County	.2	.3	+.1
Chittenden County	25.0	26.0	+1.0
Essex County	.	.	.
Franklin County	1.0	1.7	+.7
Grand Isle County	.	.	.
Lamoille County	.2	.6	+.4
Orange County	.1	.1	.
Orleans County	.2	.2	.
Rutland County	6.8	5.5	-1.3
Washington County	6.1	7.0	+.9
Windham County	2.9	2.7	-.2
Windsor County	4.3	4.4	+.1

Table 32 -- VT Dentists, 2019 and 2021
 Full Time Equivalents (FTEs) of Dentists Who Stopped or Started
 Vermont Practice Between 2019 and 2021, by Type and by County

	Change in FTEs of those who stayed	FTEs of those dentists who:		Net Change in FTEs
		Stopped Practice	Started Practice	
TOTAL	-5.8	43.3	47.9	-1.3
By type of practice:				
General	-3.8	36.6	38.1	-2.3
Pediatric	.0	2.2	1.5	-.6
Oral Surgery	-.7	1.7	.7	-1.7
Endodontics	.4	.7	1.5	1.2
Orthodontics	-1.7	.	1.8	.1
Periodontics	.0	2.2	1.6	-.6
Prosthodontics	.0	.	.9	.9
Public Health	.	.	.8	.8
Other Specialties	-.1	.	1.0	.9
By County:				
Addison	-1.5	1.1	2.6	.0
Bennington	.1	4.1	2.7	-1.3
Caledonia	.8	5.4	2.3	-2.3
Chittenden	-.8	11.5	12.9	.6
Essex	.0	.	.3	.3
Franklin	-.5	2.7	2.4	-.8
Grand Isle	.	.	.	.
Lamoille	-.4	3.0	2.2	-1.2
Orange	.9	.	.	.9
Orleans	.1	2.9	3.7	.9
Rutland	.7	7.8	3.7	-3.4
Washington	-1.7	4.7	6.8	.3
Windham	-.6	5.4	8.1	2.1
Windsor	-.2	2.7	5.4	2.5

All worksites of each dentist are counted in this table (see Note 4).
 FTEs in "Stopped Practice" column are from 2019 survey.
 FTEs in "Started Practice" column are from 2021 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, 2011 and 2021
Summary of Active Dentists, 2011 vs. 2021

	2011	2021	Change	
	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	368	393	+25	+7%
Type of Practice:				
Primary Care Total	297	315	+18	+6%
General	288	301	+13	+5%
Pediatric	9	14	+5	+56%
Specialty Care Total	71	78	+7	+10%
Oral Surgery	23	20	-3	-13%
Endodontics	10	13	+3	+30%
Orthodontics	25	25	0	0%
Periodontics	11	12	+1	+9%
Prosthodontics	1	5	+4	+400%
Other Specialties	1	2	+1	+100%
Age groups:				
Younger than 35	36	62	+26	+72%
35 - 39	34	55	+21	+62%
40 - 44	31	46	+15	+48%
45 - 49	36	47	+11	+31%
50 - 54	51	30	-21	-41%
55 - 59	52	37	-15	-29%
60 - 64	63	46	-17	-27%
65 and older	63	70	+7	+11%
Unknown	2	0		
Gender:				
Male	303	268	-35	-12%
Female	65	124	+59	+91%
Patient care hours:				
40 or more hours/week	69	118	+49	+71%
30 to under 40 hours/week	194	156	-38	-20%
Less than 30 hours/week	105	118	+13	+12%
Number of practice sites:				
One	312	332	+20	+6%
Two	45	47	+2	+4%
Three or more	11	14	+3	+27%
Tried to add an associate:				
Yes, with success	65	117	+52	+80%
Yes, without success	28	56	+28	+100%
Interested but did not try	40	36	-4	-10%
Not interested	220	178	-42	-19%
Unknown	15	6	-9	-60%

Table 34 -- VT Dentists, 2011 and 2021
Full Time Equivalents (FTEs) by County

PRIMARY CARE:

	2011	2021	Change
	-----	-----	-----
STATE TOTAL	229.0	243.1	+14.1
Addison County	9.7	12.1	+2.4
Bennington County	14.4	15.7	+1.3
Caledonia County	12.2	10.1	-2.1
Chittenden County	70.4	81.9	+11.5
Essex County	1.0	1.1	+.1
Franklin County	14.7	13.9	-.8
Grand Isle County	.7	.	.
Lamoille County	9.0	9.3	+.3
Orange County	6.5	7.4	+.9
Orleans County	5.4	7.5	+2.1
Rutland County	27.5	21.7	-5.8
Washington County	20.6	23.0	+2.4
Windham County	18.2	19.2	+1.0
Windsor County	18.7	20.1	+1.4

SPECIALTY CARE:

	2011	2021	Change
	-----	-----	-----
STATE TOTAL	52.1	53.9	+1.8
Addison County	2.0	1.7	-.3
Bennington County	5.1	3.9	-1.2
Caledonia County	.5	.3	-.2
Chittenden County	21.3	26.0	+4.7
Essex County	.	.	.
Franklin County	2.0	1.7	-.3
Grand Isle County	.	.	.
Lamoille County	.2	.6	+.4
Orange County	.	.1	.
Orleans County	.5	.2	-.3
Rutland County	8.0	5.5	-2.5
Washington County	5.7	7.0	+1.3
Windham County	3.2	2.7	-.5
Windsor County	3.8	4.4	+.6

Appendices

Appendix A. General Notes and Terms

Definition of Active Dentist

A dentist who relicensed (in September 2021) for the period 2021-2023 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.

Hospital Service Areas

Hospital Service Areas (HSAs) in this report are as redefined in 2004, based on inpatient discharges where the diagnosis indicates the need for immediate care, for the years 1997-2001. Unlike versions prior to 2004, all Vermont towns have been assigned to a Vermont HSA. The name of each HSA is based on the most populous town in that service area. For a map of these HSAs see 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 2021 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 2021 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

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.

Appendix C: Copy of Vermont Dentists Census 2021

Login

Identification

1) First Name*

2) Middle Name (if any)

3) Last Name*

4) Vermont Dentist License Number*

Demographics

5) Date of birth (M/D/YYYY)*

6) Sex

Male

Female

Other

7) How would you classify your race (check all that apply):

American Indian or Alaska Native

Asian

Black or African American

Native Hawaiian or other Pacific Islander

White

Other - please specify: _____ *

Prefer not to answer

8) Are you Hispanic, Latino/a, or of Spanish origin?

Yes

No

Prefer not to answer

Education & Training

9) What is your dental degree related to this license?

- Doctor of Dental Surgery (DDS)
- Doctor of Dental Medicine (DMD)
- Other (please specify): _____ *

10) In what state did you complete your degree related to this license?

11) If completed outside the U.S. please specify country:

12) What is the name of the school where your graduated with your degree related to this license?

13) Which specialty are you certified in?

- General practitioner
- Periodontics
- Oral and Maxillofacial Surgery
- Prosthodontics
- Endodontics
- Public Health
- Orthodontics
- Pediatric Dentistry
- Other (please specify): _____ *

14) Have you ever enrolled in the FAHC/UVM dental residency program?

- Yes
- No

License & Practice

15) In what year did you first start working as a Dentist?

16) In what state(s) (other than Vermont) do you hold an active license? (If you work remotely and are licensed in many states, leave blank.)

17) What is your employment status as a dentist? (check all that apply)*

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

Question 18 appears if the first answer in Question 17 is not selected. If Verify is selected, then Question 19 appears and census skips to end after answering. If Oops is selected, census continues on to Vermont Practice questions.

- 18) Please verify that you DO NOT work in Vermont as a Dentist *
- I verify that I DO NOT provide direct patient care in Vermont as a Dentist
 - Oops, Yes I do provide direct patient care in Vermont as a Dentist

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

Vermont Practice

- 20) In what year did you first provide direct patient care in Vermont as a Dentist?
-

- 21) Do you have a National Provider ID number (NPI)?
- Yes
 - No

- 22) Please enter your NPI:
-

- 23) 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

- 24) Has your practice tried to recruit a dentist during the last 2 years?
- Yes-with success
 - Yes-without success
 - No-but I would like to recruit a dentist
 - No-not interested or not applicable

- 25) Are you interested in working with a Dental Therapist?
- Yes
 - No
 - Not sure

First Vermont practice site

The following questions are about your primary Vermont practice site. If you practice in more than one location in Vermont, please enter the information for each site on a separate page.

If practicing in two settings within the same town, enter them as separate "sites". Additional pages will be provided as needed for up to four sites.

Practice Site 1 (your primary Vermont practice site):

26) Name of Vermont TOWN within which this practice site is located (not a mailing address):*

27) Practice name:

28) Street Address of practice site (not a mailing address):

29) Zip code of practice site location:*

30) Phone number of this practice site:*

31) Who owns this practice?

Privately owned - single site

Privately owned - multiple sites

Hospital owned

FQHC

Other: _____ *

Dental Support Organizations are independent business support centers that contract with dental practices to provide non-clinical business management services.

32) Does this practice work with a Dental Support Organization (DSO)?

Yes

No

33) Which best describes the type of setting that most closely corresponds to this practice location: (select one)*

Solo Practice

Practice of 2 dentists

Practice of 3 or more dentists

Community Health Center / Clinic

Volunteer clinic

Nursing home

Hospital dentistry (inpatient)

Other setting (please specify)::

_____ *

34) Please enter the number of weeks in a year during which you work at this site as a Dentist: (48 weeks per year is considered "year-round")*

35) Please indicate the average number of hours spent per working week at this site providing direct client/patient care (including diagnosis, treatment planning, and clinical reporting):*

36) On average, how long does a PATIENT OF RECORD need to WAIT, for a non-emergency appointment at this practice site?

_____ weeks wait

Did you really mean to say that a patient of record needs to wait that many WEEKS for an appointment? If not, please correct the answer.

37) Please indicate the number of NEW patients YOU accept per month:

- None
- Less than 2
- 2 to 4
- 5 or more
- Not applicable for my specialty

38) On average, how long does a NEW PATIENT need to WAIT, for a non-emergency appointment at this practice site?

_____ weeks wait

Did you really mean to say that a new patient needs to wait that many WEEKS for an appointment? If not, please correct the answer.

39) Does your practice treat Medicaid patients at this site?

- Yes
- No

40) Please indicate the number of NEW Medicaid patients YOU accept per month:

- None
- Less than 2
- 2 to 4
- 5 or more
- Not applicable for my specialty

41) Do you work with dental hygienists at this site?

- Yes
- No

42) Do you work with dental assistants at this site?

- Yes

No

What type(s) of dental assistants do you work with at this site? Check all that apply:

- Traditional dental assistant(s)
- Certified dental assistant(s)
- Expanded function dental assistant(s)

43) What is the youngest age of patients that you accept at this site? (please enter a number) _____

Do you have a second practice site

- 44) Do you have a second practice site in Vermont?
- Yes
 - No

If the answer is No, census skips to Final Comments at end. If Yes, practice site questions repeat for sites 2-4 as needed.

Additional Vermont practice sites

- 103) Do you have more than four practice sites in Vermont?
- yes
 - no

104) Please describe your work at additional sites beyond the four you entered above, briefly, including locations, settings, and hours:

Final comments

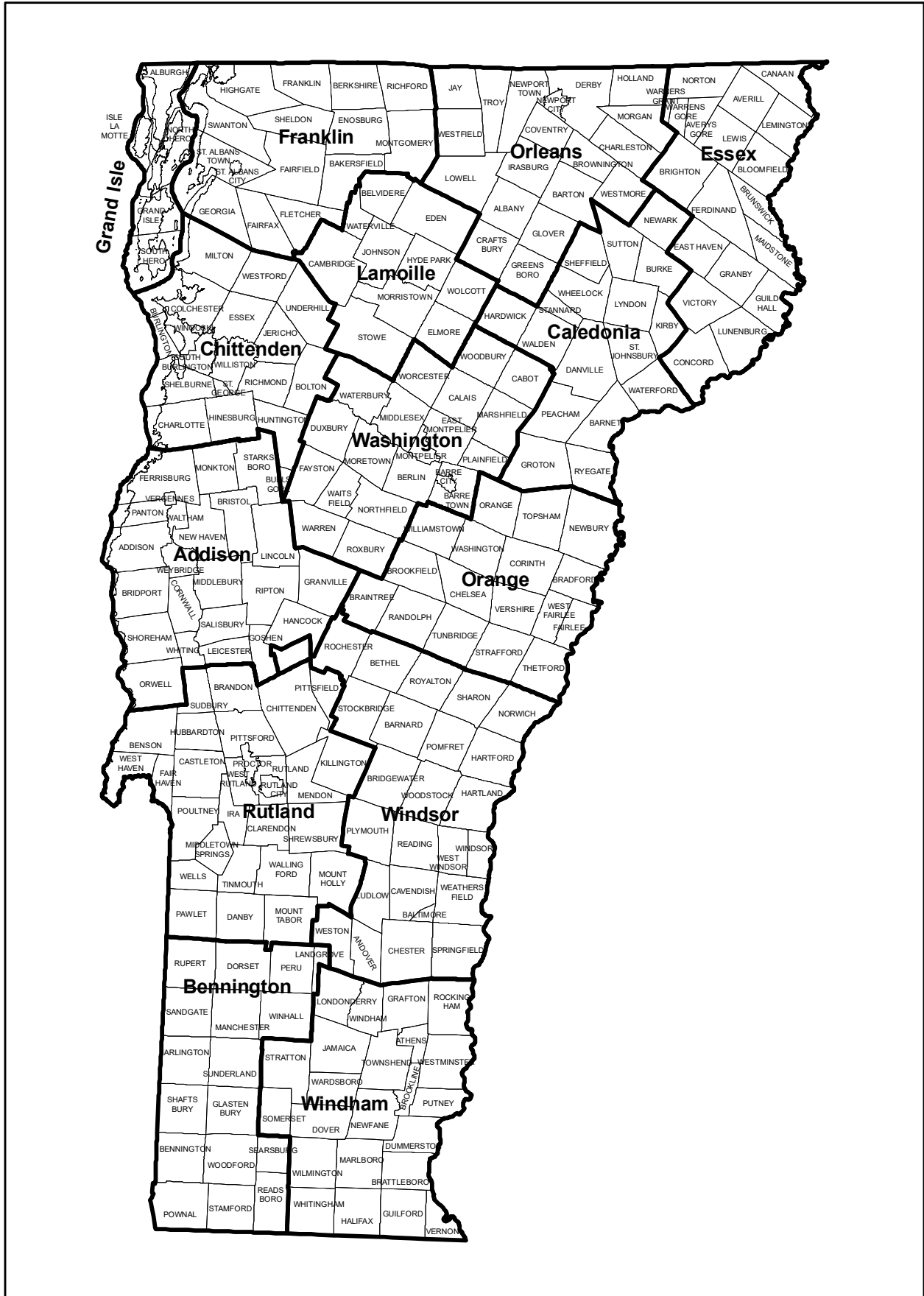
105) Thank you. If there is anything else you want to tell us about your practice, or this census, please enter it here:

106) If you want to be sent an email confirming this census entry, please enter your email address here (optional):

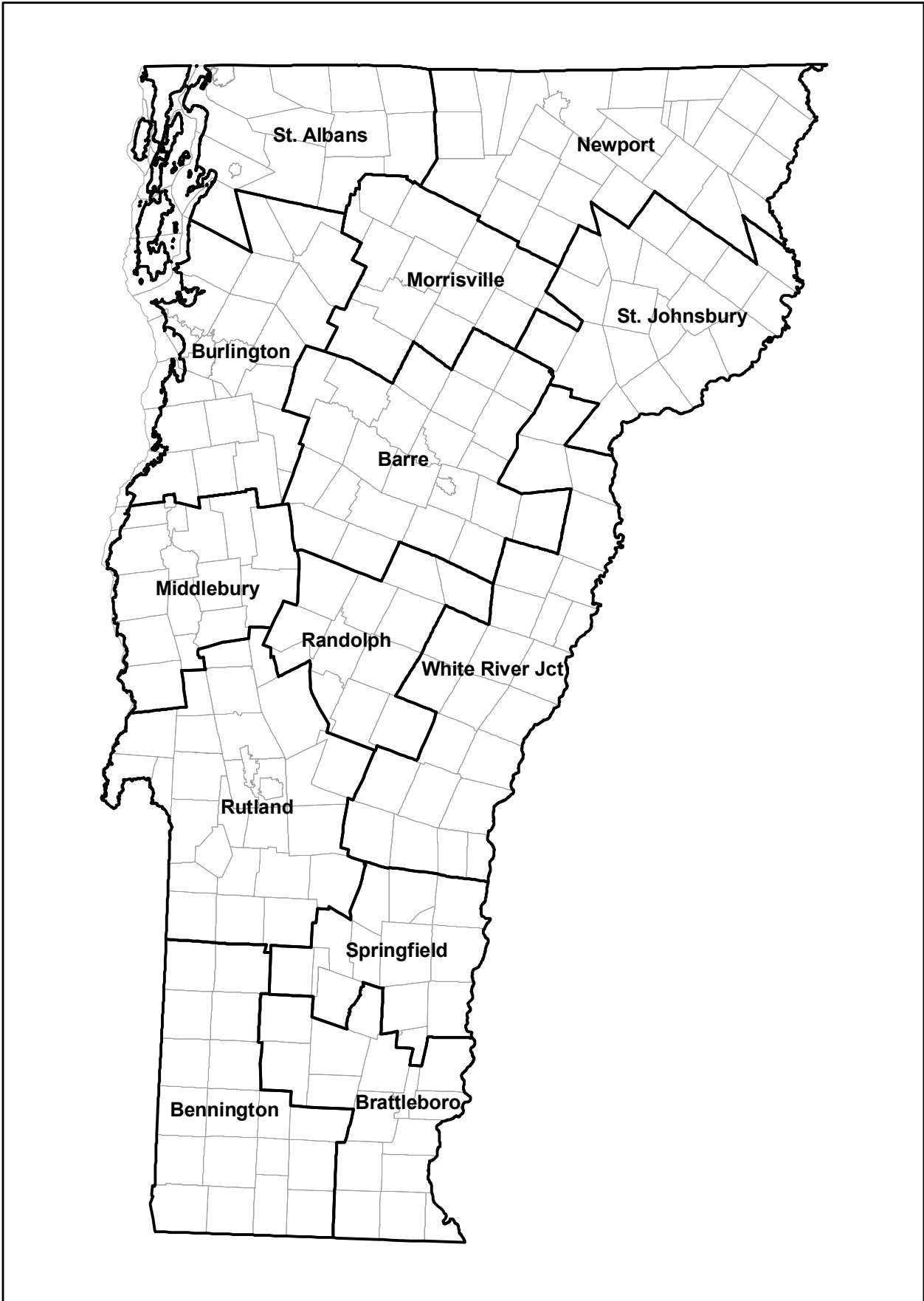
Click "Submit" to finalize your response, or "Back" if you want to make any changes.

Census Data Submitted

Appendix D: Vermont Counties and Towns



Appendix E: Hospital Service Areas



Appendix F: Local Health Districts

