

Vermont Department of Health  
2005 Dentist Survey  
Statistical Report



# 2005 Dentist Survey

## Statistical Report

State of Vermont  
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Agency of Human Services  
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Department of Health  
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January, 2007

## Acknowledgments

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

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 sent out the survey with the licensing material and then sent us the returned surveys.

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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 will be updated every two years at the time of relicensing. Similar information is being collected from physicians and physician assistants.

Data Collection: This report includes dentists who renewed their license as of the end of September, 2005. In cooperation with the Secretary of State Office and the Vermont State Dental Society, the Department of Health included a survey with the relicensing renewal form in the summer of 2005. A copy of this survey is included in Appendix C.

The surveys that were returned were compared against a list of all dentists who were relicensed. Follow-up mailings and phone calls were then made to those dentists residing in Vermont, or a neighboring state, who did not return a survey, to determine if they were practicing in Vermont, and if so, to 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.

Limitations: Three dentists refused to answer the survey, two general dentists and one prosthodontist, and are not included in this report. Two other dentists who did not respond to the survey are included in this report, using their data from 2003. One additional dentist could not be located and was assumed to be inactive. 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. For those data items that were determined to be essential, such as specialty or number of patient care hours, follow-up by phone and/or mail was conducted. 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 the use of mailed 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.



## Summary of the 2005 Dentist Survey Results

- ◆ This report includes data reported by 352 dentists providing patient care in Vermont (15 fewer than in 2003). This represents 267.1 full-time equivalents, of which 216.0 are in primary care. The data exclude 3 dentists thought to be active in Vermont that did not respond to the survey.
- ◆ 278 dentists work mainly in primary care including:
  - 269 General
  - 9 Pediatric
- ◆ 74 dentists provide mainly specialty care including:
  - 19 Oral Surgery
  - 9 Endodontics
  - 27 Orthodontics
  - 12 Periodontics
  - 4 Prosthodontics
  - 3 Other Specialties
- ◆ Patient care hours per week (does *not* include administration, teaching, and research):
  - 14% 40 or more hours per week
  - 56% 30 to 39 hours per week
  - 30% less than 30 hours per week
- ◆ 47, or 13%, of the dentists are female. Of the 149 dentists under age 50, 34 (23%) are female.
- ◆ 200 of the 352 dentists are 50 years old or older, 142 are 55 or older, and 78 are 60 or older. (The ages of 3 dentists are unknown).
- ◆ 64 dentists reported that they plan to retire or leave their Vermont practice, and another 17 reported that they plan to appreciably reduce their hours, within the next 5 years.
- ◆ As compared with 2003, fewer dentists are working 30 hours or more, and fewer are working at more than one site.
- ◆ As compared with 2003, there are 10.7 fewer FTEs in primary care. This decrease in primary care is distributed across the state, although there have been increases in some counties, especially Lamoille County, and the largest decreases were seen in Bennington, Caledonia, Rutland, Washington and Windsor counties. There has also been an overall decrease in specialty care FTEs, with the largest decreases in Rutland and Washington Counties.
- ◆ Despite the decreases in numbers, FTEs, and work hours, the reported percentage accepting new patients has remained the same since 2003, as has the average reported weeks wait for an appointment.

## Comparison of Selected Data, 1999-2005

	Count by main specialty				Total Full Time Equivalent			
	1999	2001	2003	2005	1999	2001	2003	2005
Total active * dentists	347	354	367	352	290.2	284.6	280.8	267.1
Primary care dentists	272	277	293	278	228.4	223.4	226.7	216.0
General practice	262	268	284	269	221.7	216.4	219.8	209.1
Pediatric dentistry	10	9	9	9	6.7	6.9	6.9	6.9
Specialist dentists	75	77	74	74	61.8	61.3	54.1	51.1
Oral Surgery	21	23	22	19	18.9	19.7	17.1	15.2
Endodontics	10	10	10	9	9.2	8.9	8.6	7.1
Orthodontics	28	27	26	27	21.6	19.7	17.5	16.9
Periodontics	12	11	10	12	9.0	8.1	6.5	7.2
Prosthodontics	4	4	3	4	3.1	3.0	1.7	1.9
Other Specialties	-	2	3	3	-	1.9	2.6	2.7

\* providing patient care in Vermont

	1999	2001	2003	2005
Total number of active * dentists	347	354	367	352
Percent age 50 or older	46%	49%	53%	57%
Percent age 55 or older	25%	29%	35%	41%
Percent age 60 or older	11%	12%	17%	22%
Average patient care hours per week	35	33	31	31
Primary care:				
% of FTEs in Chittenden County	28%	28%	29%	29%
FTEs / 100,000 population **	37.8	36.5	36.6	34.7
% accepting new patients ***	85%	85%	88%	88%
accepting new Medicaid patients ***	43%	37%	57%	59%
Average weeks wait - new patients ***	4	4.2	3.3	3.5
Plan to retire, leave, or reduce hours within 5 years	n.a.	20%	23%	23%
Percent working with dental hygienists	87%	86%	88%	88%
Specialty care:				
% of FTEs in Chittenden County	44%	46%	44%	44%
FTEs / 100,000 population **	10.2	10.0	8.7	8.2
% accepting new patients ***	97%	97%	98%	96%
accepting new Medicaid patients ***	75%	65%	79%	69%
Average weeks wait - new patients ***	3	2.8	2.5	2.3
Plan to retire, leave, or reduce hours within 5 years	n.a.	14%	10%	10%

\* providing patient care in Vermont

\*\* population estimate for 1999 revised after 2000 census

\*\*\* prior to 2005 each site of each dentist was counted separately

# Vermont Dentists

## Demographic Characteristics



Table 1 -- VT Dentists, 2005  
Summary of Active Dentists

TOTAL	352	(100%)
Type of Practice:		
Primary Care Total	278	( 79%)
General	269	( 76%)
Pediatric	9	( 3%)
Specialty Care Total	74	( 21%)
Oral Surgery	19	( 5%)
Endodontics	9	( 3%)
Orthodontics	27	( 8%)
Periodontics	12	( 3%)
Prosthodontics	4	( 1%)
Public Health	1	( 0%)
Other Specialties	2	( 1%)
Age groups:		
less than 35	35	( 10%)
35 - 44	60	( 17%)
45 - 54	112	( 32%)
55 - 59	64	( 18%)
60 - 64	48	( 14%)
65 and over	30	( 9%)
Unknown	3	
Gender:		
Male	305	( 87%)
Female	47	( 13%)
Patient care hours:		
40 or more hours/week	49	( 14%)
30 to 39 hours/week	197	( 56%)
less than 30 hours/week	106	( 30%)
Main practice setting:		
Solo practice	185	( 53%)
Practice of 2 dentists	87	( 25%)
Practice of 3 or more dentists	68	( 19%)
Nursing homes, volunteer and other	12	( 3%)
Number of practice sites:		
One	308	( 88%)
Two	29	( 8%)
Three or more	15	( 4%)

Note: report excludes 3 dentists who did not respond to the survey

Table 2 -- VT Dentists, 2005  
Age by Type of Practice and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	352	35	60	112	64	48	30	22%
MALES	305	30	41	93	62	47	30	25%
FEMALES	47	5	19	19	2	1	.	2%
PRIMARY CARE	278	31	44	92	47	40	24	23%
General	269	30	43	90	45	38	23	23%
Pediatric	9	1	1	2	2	2	1	33%
SPECIALTY CARE	74	4	16	20	17	8	6	20%
Oral Surgery	19	2	4	4	6	2	1	16%
Endodontics	9	.	2	1	3	2	.	25%
Orthodontics	27	2	6	11	3	2	2	15%
Periodontics	12	.	3	3	4	.	1	9%
Prosthodontics	4	.	1	.	.	2	1	75%
Public Health	1	.	.	1	.	.	.	0%
Other Specialties	2	.	.	.	1	.	1	50%
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	10%	17%	32%	18%	14%	9%	22%
MALES	100%	10%	14%	31%	20%	16%	10%	25%
FEMALES	100%	11%	41%	41%	4%	2%	.	2%
PRIMARY CARE	100%	11%	16%	33%	17%	14%	9%	23%
SPECIALTY CARE	100%	6%	23%	28%	24%	11%	8%	20%

The 'Total' column includes 3 dentists with unknown ages.

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

Note: report excludes 3 dentists who did not respond to the survey.

Table 3 -- VT Dentists, 2005  
Age by Type of Practice for Each Gender

Type of Practice	Total	Number in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
TOTAL	352	35	60	112	64	48	30	22%
MALES	305	30	41	93	62	47	30	25%
PRIMARY CARE	240	26	31	74	46	39	24	26%
General	231	25	30	72	44	37	23	26%
Pediatric	9	1	1	2	2	2	1	33%
SPECIALTY CARE	65	4	10	19	16	8	6	22%
Oral Surgery	17	2	2	4	6	2	1	18%
Endodontics	6	.	.	1	2	2	.	40%
Orthodontics	23	2	4	10	3	2	2	17%
Periodontics	12	.	3	3	4	.	1	9%
Prosthodontics	4	.	1	.	.	2	1	75%
Public Health	1	.	.	1	.	.	.	.
Other Specialties	2	.	.	.	1	.	1	50%
FEMALES	47	5	19	19	2	1	.	2%
PRIMARY CARE	38	5	13	18	1	1	.	3%
General	38	5	13	18	1	1	.	3%
SPECIALTY CARE	9	.	6	1	1	.	.	.
Oral Surgery	2	.	2	.	.	.	.	.
Endodontics	3	.	2	.	1	.	.	.
Orthodontics	4	.	2	1	.	.	.	.

The 'Total' column includes 3 dentists with unknown ages.

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

Note: report excludes 3 dentists who did not respond to the survey.

Table 4 -- VT Dentists, 2005  
Age by County

County	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	352	35	60	112	64	48	30	22%
Primary Care	278	31	44	92	47	40	24	23%
Specialists	74	4	16	20	17	8	6	20%
Addison County								
Primary Care	11	1	.	2	2	5	1	55%
Specialists	1	.	.	.	1	.	.	.
Bennington County								
Primary Care	20	1	2	8	7	1	1	10%
Specialists	7	1	.	3	.	2	1	43%
Caledonia County								
Primary Care	15	2	2	3	2	3	3	40%
Specialists	2	.	.	.	1	1	.	50%
Chittenden County								
Primary Care	79	13	15	30	12	5	4	11%
Specialists	34	3	11	6	6	3	4	21%
Essex County								
Primary Care	1	1	.	.	.	.	.	.
Specialists	.	.	.	.	.	.	.	.
Franklin County								
Primary Care	17	4	1	8	1	3	.	18%
Specialists	1	.	.	1	.	.	.	.
Grand Isle County								
Primary Care	1	.	.	.	1	.	.	.
Specialists	.	.	.	.	.	.	.	.
Lamoille County								
Primary Care	11	2	2	4	2	1	.	9%
Specialists	.	.	.	.	.	.	.	.
Orange County								
Primary Care	9	.	3	2	1	2	1	33%
Specialists	.	.	.	.	.	.	.	.
Orleans County								
Primary Care	6	1	1	.	2	1	1	33%
Specialists	.	.	.	.	.	.	.	.
Rutland County								
Primary Care	29	.	2	9	8	5	5	34%
Specialists	8	.	2	1	2	1	1	29%
Washington County								
Primary Care	26	3	5	10	5	2	1	12%
Specialists	5	.	1	3	1	.	.	.
Windham County								
Primary Care	26	1	6	8	2	5	4	35%
Specialists	8	.	1	3	3	.	.	.
Windsor County								
Primary Care	27	2	5	8	2	7	3	37%
Specialists	8	.	1	3	3	1	.	13%

Each dentist is counted once in this table, in their main county of practice.  
The 'Total' column includes 3 dentists with unknown ages.  
See Note 1 for a description of the calculation of ages.  
Note: report excludes 3 dentists who did not respond to the survey.

Table 5 -- VT Dentists, 2005  
 Years in Clinical Practice

In Clinical Practice	Total	In Vermont
less than a year	2 ( 1%)	8 ( 2%)
1 or 2 years	8 ( 2%)	20 ( 6%)
3 or 4 years	10 ( 3%)	18 ( 5%)
5 to 9 years	34 ( 10%)	48 ( 14%)
10 to 14 years	27 ( 8%)	40 ( 11%)
15 to 19 years	41 ( 12%)	42 ( 12%)
20 years or more	227 ( 65%)	174 ( 50%)
unknown	3	2
Total	352	352
Median years	25	19

Note: report excludes 3 dentists who did not respond to the survey



# Vermont Dentists

## Distribution of Full Time Equivalents (FTEs)



Table 6 -- VT Dentists, 2005  
 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	352 267.1 10857	278 216.0 8752	74 51.1 2105
Addison County	17 10.5 419	12 9.1 365	5 1.3 54
Bennington County	28 19.1 776	20 15.4 629	8 3.6 147
Caledonia County	18 12.7 507	16 11.6 463	2 1.1 44
Chittenden County	115 86.8 3514	79 63.6 2563	36 23.2 950
Essex County	1 .8 32	1 .8 32	. . . .
Franklin County	26 15.7 651	19 13.9 575	7 1.9 76
Grand Isle County	1 .9 35	1 .9 35	. . . .
Lamoille County	14 8.5 339	11 8.1 324	3 .4 15
Orange County	9 7.2 289	9 7.2 289	. . . .
Orleans County	10 5.3 228	7 5.1 218	3 .3 10
Rutland County	39 27.3 1125	31 20.7 833	8 6.6 292
Washington County	38 26.6 1066	28 21.8 874	10 4.8 192
Windham County	35 24.2 996	26 20.7 856	9 3.4 139
Windsor County	37 21.7 880	29 17.1 695	8 4.6 185

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

Note: report excludes 3 dentists who did not respond to the survey.

Table 7 -- VT Dentists, 2005  
 Numbers of Primary Care Dentists, Full Time Equivalent  
 (FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	PRIMARY CARE TOTAL	GENERAL	PEDIATRIC
STATEWIDE TOTAL	278 216.0 8752	269 209.1 8476	9 6.9 276
Addison County	12 9.1 365	12 9.1 365	. . . .
Bennington County	20 15.4 629	20 15.4 629	. . . .
Caledonia County	16 11.6 463	15 11.0 440	1 .6 23
Chittenden County	79 63.6 2563	75 60.2 2425	4 3.5 138
Essex County	1 .8 32	1 .8 32	. . . .
Franklin County	19 13.9 575	18 13.7 567	1 .2 8
Grand Isle County	1 .9 35	1 .9 35	. . . .
Lamoille County	11 8.1 324	11 8.1 324	. . . .
Orange County	9 7.2 289	9 7.2 289	. . . .
Orleans County	7 5.1 218	6 4.3 186	1 .8 32
Rutland County	31 20.7 833	30 19.8 797	1 .9 36
Washington County	28 21.8 874	28 21.8 874	. . . .
Windham County	26 20.7 856	26 20.7 856	. . . .
Windsor County	29 17.1 695	27 16.1 656	2 1.0 39

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

Note: report excludes 3 dentists who did not respond to the survey.

Table 8 -- VT Dentists, 2005  
 Numbers of Specialty Care Dentists, Full Time Equivalents  
 (FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE						
	TOTAL	ORAL SURGERY	ENDO- DONTICS	ORTHO- DONTICS	PERIO- DONTICS	PROSTHO- DONTICS	OTHER*
STATEWIDE TOTAL	74 51.1 2105	19 15.3 618	9 7.1 282	27 16.9 679	12 7.2 309	4 1.9 75	3 2.7 142
Addison County	5 1.3 54	1 .8 32	. . . . .	3 .5 21	1 <.05 1	. . . . .	. . . . .
Bennington County	8 3.6 147	2 1.3 53	. . . . .	3 1.3 53	1 .9 35	1 .1 3	1 .1 4
Caledonia County	2 1.1 44	1 .9 36	. . . . .	1 .2 8	. . . . .	. . . . .	. . . . .
Chittenden County	36 23.2 950	9 7.0 280	5 3.5 140	13 6.9 276	6 3.8 174	2 1.0 39	1 1.0 41
Essex County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Franklin County	7 1.9 76	2 1.0 43	. . . . .	5 .8 33	. . . . .	. . . . .	. . . . .
Grand Isle County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Lamoille County	3 .4 15	1 .2 8	. . . . .	2 .2 7	. . . . .	. . . . .	. . . . .
Orange County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Orleans County	3 .3 10	. . . . .	. . . . .	3 .3 10	. . . . .	. . . . .	. . . . .
Rutland County	8 6.6 292	2 1.7 69	2 1.6 62	2 1.6 62	1 .9 34	. . . . .	1 .9 65
Washington County	10 4.8 192	1 1.0 42	1 1.0 40	6 2.4 95	2 .4 16	. . . . .	. . . . .
Windham County	9 3.4 139	3 1.4 55	. . . . .	2 .8 32	3 1.2 49	. . . . .	1 .1 4
Windsor County	8 4.6 185	. . . . .	1 1.0 40	4 2.0 83	1 <.05 <0.5	1 .8 33	1 .7 29

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

\* "OTHER" here includes Public Health.

Note: report excludes 3 dentists who did not respond to the survey.

Table 9 -- VT Dentists, 2005  
 Primary Care Dentistry FTE to Population Ratios, by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	216.04	623,050	34.67	2,884
Addison County	9.12	36,965	24.66	4,055
Bennington County	15.43	36,999	41.71	2,398
Caledonia County	11.58	30,440	38.05	2,628
Chittenden County	63.61	149,613	42.52	2,352
Essex County	.80	6,602	12.07	8,285
Franklin County	13.89	47,914	28.99	3,450
Grand Isle County	.88	7,703	11.36	8,803
Lamoille County	8.11	24,495	33.10	3,021
Orange County	7.15	29,287	24.41	4,096
Orleans County	5.09	27,640	18.42	5,428
Rutland County	20.74	63,743	32.53	3,074
Washington County	21.80	59,478	36.65	2,728
Windham County	20.72	44,143	46.93	2,131
Windsor County	17.13	58,028	29.52	3,387

Only General and Pediatric dentists are included.

Population estimates are for 2005 (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 two digits for display only.  
 The ratios were calculated using the unrounded values.

Note: report excludes 3 dentists who did not respond to the survey.

Table 10 -- VT Dentists, 2005  
FTEs by Age by County

County	Total	FTEs in Age Group						Age 60+
		< 35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	267.1	28.0	48.7	87.8	49.7	34.3	17.1	19%
Primary Care	216.0	25.5	37.0	73.2	37.6	29.1	13.6	20%
Specialists	51.1	2.5	11.7	14.5	12.1	5.2	3.5	17%
Addison County								
Primary Care	9.1	.9	.	1.6	1.7	4.2	.7	54%
Specialists	1.3	.2	<.05	.2	1.0	.	.	.
Bennington County								
Primary Care	15.4	1.0	1.8	6.0	5.6	1.0	.1	7%
Specialists	3.6	.5	.	1.7	.	.9	.6	39%
Caledonia County								
Primary Care	11.6	1.7	1.9	2.5	1.9	1.7	1.8	31%
Specialists	1.1	.	.	.	.9	.2	.	18%
Chittenden County								
Primary Care	63.6	10.2	12.5	24.4	9.3	4.0	3.1	11%
Specialists	23.2	1.2	8.0	4.8	4.6	2.4	1.8	18%
Essex County								
Primary Care	.8	.8	.	.	.	.	.	.
Specialists	.	.	.	.	.	.	.	.
Franklin County								
Primary Care	13.9	4.0	1.0	6.5	.9	1.3	.2	11%
Specialists	1.9	.6	.	.8	.	.2	.2	23%
Grand Isle County								
Primary Care	.9	.	.	.	.9	.	.	.
Specialists	.	.	.	.	.	.	.	.
Lamoille County								
Primary Care	8.1	1.6	1.8	2.5	1.5	.7	.	9%
Specialists	.4	.	.	.4	.	.	.	.
Orange County								
Primary Care	7.2	.	2.8	1.5	.8	1.5	.6	29%
Specialists	.	.	.	.	.	.	.	.
Orleans County								
Primary Care	5.1	.8	1.0	.	1.7	.9	.8	33%
Specialists	.3	.1	.	.1	.1	.	.	.
Rutland County								
Primary Care	20.7	<.05	1.8	6.6	6.1	3.5	2.7	30%
Specialists	6.6	.	1.8	.8	1.6	.7	.9	28%
Washington County								
Primary Care	21.8	2.4	4.2	8.9	4.4	1.6	.3	9%
Specialists	4.8	.	1.2	2.6	1.0	.	.	.
Windham County								
Primary Care	20.7	1.0	5.0	6.6	1.8	4.2	2.1	30%
Specialists	3.4	.	<.05	1.5	1.8	.	.1	2%
Windsor County								
Primary Care	17.1	1.0	3.2	6.1	1.1	4.6	1.2	34%
Specialists	4.6	.	.7	1.8	1.2	.8	.	18%

All worksites of each dentist are counted in this table (see Note 4).  
The 'Total' column includes 3 dentists with unknown ages.  
See Note 1 for a description of the calculation of ages.  
Note: report excludes 3 dentists who did not respond to the survey.

Table 11 -- VT Dentists, 2005  
Total FTEs by Practice Setting

Type of Practice	FTEs in Setting					
	Solo Practice	Practice of 2 dentists	Practice of 3+ dentists	Extended Care	Volunteer	Other
General	120.2	56.9	28.1	.5	.1	3.4
Pediatric	2.5	.8	3.7	.	.	.
Oral Surgery	5.4	1.3	8.6	.	.	.
Endodontics	4.7	2.4	.	.	.	.
Orthodontics	8.4	<.05	8.4	.	.	.
Periodontics	2.1	1.9	3.3	.	<.05	.
Prosthodontics	1.7	.2	.	.	.	.
Public Health	.	.	.	.	.	.7
Other Specialties	2.0	.	.	.	.	.

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

Note: report excludes 3 dentists who did not respond to the survey.

# Vermont Dentists' Training



Table 12 -- VT Dentists, 2005  
Dental School Location by Type of Practice

Type of Practice	Total	Number Graduated from Dental School in Region						
		New England	Mid Atlant	South	Central	West	Canada	Unknown
TOTAL	352	74	126	54	76	4	17	1
PRIMARY CARE	278	46	102	49	64	2	15	0
General	269	44	101	47	61	2	14	0
Pediatic	9	2	1	2	3	0	1	0
SPECIALTY CARE	74	28	24	5	12	2	2	1
Oral Surgery	19	7	6	1	5	0	0	0
Endodontics	9	3	3	1	1	0	0	1
Orthodontics	27	10	8	2	5	1	1	0
Periodontics	12	7	3	0	1	0	1	0
Prosthodontics	4	1	2	1	0	0	0	0
Public Health	1	0	0	0	0	1	0	0
Other Specialties	2	0	2	0	0	0	0	0

See note 12 for definition of regions.

Note: report excludes 3 dentists who did not respond to the survey.

Table 13 -- VT Dentists, 2005  
 UVM dental GPR Program Participation by Type of Practice

Type of Practice	Total	Ever Enrolled in UVM GPR Program		
		Yes	No	Unknown
TOTAL	352	39	309	4
PRIMARY CARE	278	35	240	3
General	269	35	231	3
Pediatric	9	0	9	0
SPECIALTY CARE	74	4	69	1
Oral Surgery	19	2	17	0
Endodontics	9	0	9	0
Orthodontics	27	0	26	1
Periodontics	12	1	11	0
Prosthodontics	4	0	4	0
Public Health	1	0	1	0
Other Specialties	2	1	1	0

Note: report excludes 3 dentists who did not respond to the survey

# Vermont Dentists

## Practice Characteristics



Table 14 -- VT Dentists, 2005  
Practice Setting by Type of Practice, Age and Gender

	Total	Number in Setting					
		Solo Practice	Practice of 2 dentists	Practice of 3+ dentists	Nursing Home	Volunteer	Other
TOTAL	352	185	87	68	2	4	6
<u>Type of Practice</u>							
General	269	149	75	35	2	3	5
Pediatric	9	4	1	4	.	.	.
Oral Surgery	19	6	2	11	.	.	.
Endodontics	9	5	4	.	.	.	.
Orthodontics	27	13	1	13	.	.	.
Periodontics	12	3	3	5	.	1	.
Prosthodontics	4	3	1	.	.	.	.
Public Health	1	.	.	.	.	.	1
Other Specialties	2	2	.	.	.	.	.
<u>Age Group</u>							
Younger than 35	35	10	11	13	.	.	1
35 - 44	60	24	18	16	.	1	1
45 - 54	112	61	30	16	2	1	2
55 - 59	64	41	12	10	.	1	.
60 - 64	48	35	4	7	.	.	2
65 or older	30	14	10	5	.	1	.
Age Unknown	3	.	2	1	.	.	.
<u>Gender</u>							
Male	305	167	66	60	2	4	6
Female	47	18	21	8	.	.	.

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

Note: report excludes 3 dentists who did not respond to the survey.

Table 15 -- VT Dentists, 2005  
Practice Settings by County

County	Total	Number in Setting					
		Solo Practice	Practice of 2 dentists	Practice of 3+ dentists	Nursing Home	Volunteer	Other
STATEWIDE TOTAL							
Total	352	185	87	68	2	4	6
Primary Care	278	153	76	39	2	3	5
Specialists	74	32	11	29	.	1	1
Addison County							
Primary Care	11	8	3	.	.	.	.
Specialists	1	1	.	.	.	.	.
Bennington County							
Primary Care	20	15	4	.	1	.	.
Specialists	7	4	3	.	.	.	.
Caledonia County							
Primary Care	15	7	2	5	.	.	1
Specialists	2	2	.	.	.	.	.
Chittenden County							
Primary Care	79	32	26	21	.	.	.
Specialists	34	8	5	21	.	.	.
Essex County							
Primary Care	1	1	.	.	.	.	.
Franklin County							
Primary Care	17	9	6	2	.	.	.
Specialists	1	.	.	1	.	.	.
Grand Isle County							
Primary Care	1	1	.	.	.	.	.
Lamoille County							
Primary Care	11	3	4	3	1	.	.
Orange County							
Primary Care	9	7	2	.	.	.	.
Orleans County							
Primary Care	6	3	2	.	.	.	1
Rutland County							
Primary Care	29	20	6	3	.	.	.
Specialists	8	6	2	.	.	.	.
Washington County							
Primary Care	26	13	10	2	.	.	1
Specialists	5	4	.	1	.	.	.
Windham County							
Primary Care	26	18	5	3	.	.	.
Specialists	8	1	1	6	.	.	.
Windsor County							
Primary Care	27	16	6	.	.	3	2
Specialists	8	6	.	.	.	1	1

Each dentist is counted once in this table, in their main practice setting, and, independently, in their main county of practice (see Note 9).  
Note: report excludes 3 dentists who did not respond to the survey.

Table 16 -- VT Dentists, 2005  
Average Patient Care Hours per Week,  
by Type of Practice and Age

Type of Practice	Total	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
ALL DENTISTS	352	31	33	32	29	14%
PRIMARY CARE	278	31	34	32	29	13%
General	269	32	34	32	29	13%
Pediatric	9	31	33	34	28	22%
SPECIALTY CARE	74	28	30	29	28	18%
Oral Surgery	19	33	31	36	32	37%
Endodontics	9	31	17	40	35	22%
Orthodontics	27	25	27	26	22	4%
Periodontics	12	26	41	29	19	8%
Prosthodontics	4	19	33	.	14	0%
Public Health	1	29	.	29	.	0%
Other Specialties	2	57	.	.	57	100%

'Full Time' is defined as 40 (or more) hours of direct patient care per week in Vermont, 48 weeks (or more) per year (see Note 22).

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

Note: report excludes 3 dentists who did not respond to the survey.

Table 17 -- VT Dentists, 2005  
Average Patient Care Hours per Week,  
by Gender, Type of practice, and Age

Type of Practice	Total	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
MALES:						
ALL PRACTICE TYPES	305	31	34	32	29	14%
PRIMARY CARE	240	32	35	32	29	14%
General	231	32	35	32	29	13%
Pediatric	9	31	33	34	28	22%
SPECIALTY CARE	65	29	30	30	28	17%
Oral Surgery	17	32	26	36	32	29%
Endodontics	6	36	.	40	37	33%
Orthodontics	23	25	26	27	22	4%
Periodontics	12	26	41	29	19	8%
Prosthodontics	4	19	33	.	14	0%
Public Health	1	29	.	29	.	0%
Other Specialties	2	57	.	.	57	100%
FEMALES:						
ALL PRACTICE TYPES	47	30	31	30	33	11%
PRIMARY CARE	38	31	31	31	35	8%
General	38	31	31	31	35	8%
SPECIALTY CARE	9	28	30	16	30	22%
Oral Surgery	2	40	40	.	.	100%
Endodontics	3	21	17	.	30	0%
Orthodontics	4	26	32	16	.	0%

'Full Time' is defined as 40 (or more) hours of direct patient care per week in Vermont, 48 weeks (or more) per year (see Note 22).

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

Note: report excludes 3 dentists who did not respond to the survey

Table 18 -- VT Dentists, 2005  
Average Patient Care Hours per Week,  
by Age, by County

County	Total	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
STATEWIDE TOTAL						
Primary Care	278	31	34	32	29	13%
Specialists	74	28	30	29	28	18%
Addison County						
Primary Care	11	33	37	33	32	9%
Specialists	1	32	.	.	32	0%
Bennington County						
Primary Care	20	32	37	31	31	10%
Specialists	7	20	21	23	18	0%
Caledonia County						
Primary Care	15	31	36	33	27	7%
Specialists	2	22	.	.	22	0%
Chittenden County						
Primary Care	79	33	34	33	31	13%
Specialists	34	31	31	37	29	21%
Essex County						
Primary Care	1	32	32	.	.	0%
Specialists	0					
Franklin County						
Primary Care	17	31	37	33	22	24%
Specialists	1	36	.	36	.	0%
Grand Isle County						
Primary Care	1	35	.	.	35	0%
Specialists	0					
Lamoille County						
Primary Care	11	30	34	26	30	9%
Specialists	0					
Orange County						
Primary Care	9	33	38	31	30	22%
Specialists	0					
Orleans County						
Primary Care	6	37	39	.	37	50%
Specialists	0					
Rutland County						
Primary Care	29	29	35	29	28	3%
Specialists	8	37	36	30	41	25%
Washington County						
Primary Care	26	33	33	35	32	15%
Specialists	5	35	36	32	42	40%
Windham County						
Primary Care	26	33	35	35	31	19%
Specialists	8	17	0	20	24	0%
Windsor County						
Primary Care	27	25	26	30	22	7%
Specialists	8	23	30	25	20	25%

Each dentist is counted once, in main county of practice.  
'Full Time' is defined as 40 (or more) hours of direct patient care per week in Vermont, 48 weeks (or more) per year (see Note 22).  
See Note 1 for a description of the calculation of ages.  
Note: report excludes 3 dentists who did not respond to the survey.

Table 19 -- VT Dentists, 2005  
Dentists In Practice with Dental Hygienists, by Specialty

Type of practice	Total Dentists	Dentists who work with Dental Hygienists	
TOTAL	352	261	(76%)
PRIMARY CARE	278	238	(88%)
General	269	231	(89%)
Pediatric	9	7	(88%)
SPECIALTY CARE	74	23	(32%)
Oral Surgery	19	0	( 0%)
Endodontics	9	0	( 0%)
Orthodontics	27	11	(42%)
Periodontics	12	9	(75%)
Prosthodontics	4	3	(75%)
Public Health	1	0	( 0%)
Other Specialties	2	0	( 0%)

This table counts dentists, not sites nor hygienists.  
Multiple dentists may work with the same hygienist(s).  
Dentists may work with hygienists in one site but not in another.  
10 dentists did not report whether they work with hygienists.  
Note: report excludes 3 dentists who did not respond to the survey.

Table 20 -- VT Dentists, 2005  
Dentists In Practice with Dental Hygienists, by Setting

Practice Setting	Total Dentists	Dentists who work with Dental Hygienists	
TOTAL	352	261	(76%)
Solo Practice	185	127	(72%)
Practice of 2 Dentists	87	76	(88%)
Practice of 3+ Dentists	68	53	(78%)
Other	12	5	(42%)

This table counts dentists, not sites nor hygienists.  
Multiple dentists may work with the same hygienist(s).  
Dentists may work with hygienists in one site but not in another.  
10 dentists did not report whether they work with hygienists.  
Note: report excludes 3 dentists who did not respond to the survey.

Table 21 -- VT Dentists, 2005  
Practice Availability by Type of Practice

Type of Practice	Total Dentists	Average Weeks Wait New Patient	Average Weeks Wait Current Patient	
TOTAL	340	3.2	2.9	
PRIMARY CARE	268	3.5	3.2	
General	259	3.5	3.1	
Pediatric	9	4.0	6.1	
SPECIALTY CARE	72	2.3	1.9	
Oral Surgery	19	2.1	1.4	
Endodontics	9	2.2	1.8	
Orthodontics	27	1.7	1.7	
Periodontics	11	3.2	2.3	
Prosthodontics	4	2.8	2.5	
Other Specialties	2	8.5	4.5	

Type of Practice	Accept Any New Patients		Accept 5+ New Patients / Month *	
	Non-Medicaid (%)	Medicaid (%)	Non-Medicaid (%)	Medicaid (%)
TOTAL	90%	61%	69%	26%
PRIMARY CARE	88%	59%	64%	22%
General	88%	57%	63%	20%
Pediatric	100%	100%	89%	78%
SPECIALTY CARE	96%	69%	89%	41%
Oral Surgery	100%	84%	100%	79%
Endodontics	89%	44%	89%	0%
Orthodontics	100%	88%	92%	44%
Periodontics	91%	36%	64%	9%
Prosthodontics	75%	0%	75%	0%
Other Specialties	100%	100%	100%	100%

Dentists were asked if they accept new patients, and if they participate in Medicaid and Medicare, 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 site.

Data are for office settings only (see Note 11). Denominators for percentages do not include unknowns. See Note 10.

\* This part of the table is not comparable between years. In the 2003 report these columns listed those accepting 2+ new patients per month.

Table 22 -- VT Dentists, 2005  
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	290	88%	59%	64%	22%	3.5	3.3
Specialists	118	96%	79%	84%	42%	2.3	2.0
Addison County							
Primary Care	11	91%	91%	55%	18%	3.7	2.7
Specialists	5	100%	80%	100%	80%	3.2	1.0
Bennington County							
Primary Care	19	84%	53%	53%	11%	2.9	2.6
Specialists	8	75%	63%	50%	25%	2.4	1.5
Caledonia County							
Primary Care	14	92%	69%	77%	54%	3.3	2.0
Specialists	2	100%	100%	100%	100%	3.0	3.0
Chittenden County							
Primary Care	93	88%	59%	66%	14%	2.5	3.3
Specialists	55	98%	83%	87%	40%	2.1	1.7
Essex County							
Primary Care	1	100%	100%	100%	100%	10.0	10.0
Specialists	0						
Franklin County							
Primary Care	19	94%	83%	61%	50%	4.1	2.7
Specialists	7	100%	100%	100%	14%	1.9	1.3
Grand Isle County							
Primary Care	1	100%	100%	100%	100%	1.0	1.0
Specialists	0						
Lamoille County							
Primary Care	10	100%	80%	50%	10%	2.7	2.1
Specialists	3	100%	100%	100%	100%	3.0	4.3
Orange County							
Primary Care	9	100%	75%	63%	25%	7.5	3.8
Specialists	0						
Orleans County							
Primary Care	6	67%	67%	67%	67%	11.5	6.0
Specialists	3	100%	100%	100%	100%	1.0	1.0
Rutland County							
Primary Care	30	80%	42%	64%	19%	2.7	2.7
Specialists	8	100%	100%	100%	50%	2.0	1.7
Washington County							
Primary Care	28	88%	41%	69%	15%	4.8	4.4
Specialists	10	89%	78%	78%	44%	3.9	4.3
Windham County							
Primary Care	26	88%	50%	62%	23%	3.2	3.1
Specialists	9	100%	33%	67%	22%	2.1	1.7
Windsor County							
Primary Care	23	83%	48%	61%	22%	3.8	3.9
Specialists	8	100%	63%	75%	25%	2.6	2.4

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.

\* This part of the table is not comparable between years. In the 2003 report these columns listed those accepting 2+ new patients per month.

Table 23 -- VT Dentists, 2005  
Tried to Recruit a Dentist

	Total	Tried to Recruit a Dentist		Did Not Try	
		Success	No Success	Interested	No interest
TOTAL	352	36	46	57	208
<u>Type of Practice</u>					
General	269	22	39	45	159
Pediatric	9	.	1	2	6
Oral Surgery	19	7	4	3	5
Endodontics	9	1	1	.	7
Orthodontics	27	6	.	2	18
Periodontics	12	.	.	5	7
Prosthodontics	4	.	.	.	4
Public Health	1	.	.	.	1
Other Specialties	2	.	1	.	1
<u>Age Group</u>					
Younger than 35	35	3	2	5	25
35 - 44	60	6	5	10	38
45 - 54	112	11	15	20	64
55 - 59	64	7	12	9	36
60 - 64	48	5	9	9	24
65 or older	30	4	3	4	18
Age Unknown	3	.	.	.	3
<u>Main Setting</u>					
Solo Practice	185	3	32	35	111
2 Dentists	87	9	8	8	61
3+ Dentists	68	23	5	14	26
Nursing Home	2	.	.	.	2
Volunteer Clinic	4	1	.	.	3
Other	6	.	1	.	5

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

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

Note: report excludes 3 dentists who did not respond to the survey

Table 24 -- VT Dentists, 2005  
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	278	22	40	47	165
Specialists	74	14	6	10	43
Addison County					
Primary Care	11	.	2	3	6
Specialists	1	.	.	.	1
Bennington County					
Primary Care	20	.	3	1	15
Specialists	7	1	.	3	3
Caledonia County					
Primary Care	15	5	1	2	7
Specialists	2	.	1	.	1
Chittenden County					
Primary Care	79	8	7	15	49
Specialists	34	10	3	4	16
Essex County					
Primary Care	1	.	1	.	.
Franklin County					
Primary Care	17	1	2	1	13
Specialists	1	.	.	.	1
Grand Isle County					
Primary Care	1	.	.	.	1
Lamoille County					
Primary Care	11	1	1	4	5
Orange County					
Primary Care	9	.	1	2	6
Orleans County					
Primary Care	6	.	2	1	3
Rutland County					
Primary Care	29	2	9	3	14
Specialists	8	1	.	2	5
Washington County					
Primary Care	26	.	4	5	15
Specialists	5	.	.	1	4
Windham County					
Primary Care	26	2	2	7	15
Specialists	8	2	2	.	4
Windsor County					
Primary Care	27	3	5	3	16
Specialists	8	.	.	.	8

'Total' column includes 5 dentists missing data on recruiting a dentist.  
Note: report excludes 3 dentists who did not respond to the survey.

Table 25 -- VT Dentists, 2005  
 Plan to Retire, Leave Practice, or Reduce Hours  
 By Age Group and by Type of Practice

	Total	Plan to Retire or Leave		Plan to Reduce Hours in 5 years	Unknown	% to Leave or Reduce in 5 years
		within 5 years	6-10 years			
Total	352	64	75	17	15	24%
Age Group						
Younger than 35	35	3	.	1	2	12%
35 - 44	60	.	.	1	4	2%
45 - 54	112	6	23	2	5	7%
55 - 59	64	.	30	6	1	10%
60 - 64	48	20	17	4	2	52%
65 or older	30	20	5	3	.	77%
Age Unknown	3	.	.	.	1	0%
Type of Practice						
General	269	47	53	12	12	23%
Pediatric	9	.	3	1	.	11%
Oral Surgery	19	.	4	2	.	11%
Endodontics	9	.	4	.	1	0%
Orthodontics	27	.	6	1	2	4%
Periodontics	12	3	4	.	.	25%
Prosthodontics	4	.	.	1	.	25%
Public Health	1	.	.	.	.	0%
Other Specialties	2	.	1	.	.	0%

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

Note: report excludes 3 dentists who did not respond to the survey.

Table 26 -- VT Dentists, 2005  
 Plan to Retire, Leave Practice, or Reduce Hours  
 By Practice Setting and by Recruiting a Dentist

	Total	Plan to Retire or Leave		Plan to Reduce Hours in 5 years	Unknown	% to Leave or Reduce in 5 years
		within 5 years	6-10 years			
Total	352	64	75	17	15	24%
Main Setting						
Solo Practice	185	35	47	9	7	25%
2 Dentists	87	14	13	7	4	25%
3+ Dentists	68	.	13	1	4	2%
Nursing Home	2	.	.	.	.	.
Volunteer Clinic	4	.	1	.	.	.
Other	6	2	1	.	.	33%
Recruiting a Dentist *						
Success	36	.	11	2	1	6%
No Success	46	14	12	4	.	39%
Did Not Try	57	11	13	2	.	23%
No Interest	208	32	39	9	11	21%
Unknown	5	.	.	.	3	.

\* 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

Note: report excludes 3 dentists who did not respond to the survey

**Distribution of Vermont Dentists  
by Hospital Service Areas**



Table 27 -- VT Dentists, 2005  
Age by Hospital Service Area

HSA	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	352	35	60	112	64	48	30	22%
Primary Care	278	31	44	92	47	40	24	23%
Specialists	74	4	16	20	17	8	6	20%
Barre								
Primary Care	27	3	5	11	5	2	1	11%
Specialists	5	.	1	3	1	.	.	.
Bennington								
Primary Care	21	1	2	8	7	2	1	14%
Specialists	7	1	.	3	.	2	1	43%
Brattleboro								
Primary Care	19	.	5	6	2	4	2	32%
Specialists	7	.	1	3	3	.	.	.
Burlington								
Primary Care	81	13	16	30	13	5	4	11%
Specialists	34	3	11	6	6	3	4	21%
Middlebury								
Primary Care	11	1	.	2	2	5	1	55%
Specialists	1	.	.	.	1	.	.	.
Morrisville								
Primary Care	12	2	2	4	3	1	.	8%
Specialists	0	.	.	.	.	.	.	.
Newport								
Primary Care	7	2	1	.	2	1	1	29%
Specialists	0	.	.	.	.	.	.	.
Randolph								
Primary Care	5	.	2	1	1	1	.	20%
Specialists	0	.	.	.	.	.	.	.
Rutland								
Primary Care	29	.	2	9	8	5	5	34%
Specialists	8	.	2	1	2	1	1	29%
Springfield								
Primary Care	13	2	2	4	.	3	2	38%
Specialists	4	.	1	1	1	.	.	.
St. Albans								
Primary Care	17	4	1	8	1	3	.	18%
Specialists	1	.	.	1	.	.	.	.
St. Johnsbury								
Primary Care	13	2	1	3	1	3	3	46%
Specialists	2	.	.	.	1	1	.	50%
White River Jct								
Primary Care	23	1	5	6	2	5	4	39%
Specialists	5	.	.	2	2	1	.	20%

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

The 'Total' column includes 3 dentists with unknown ages.  
See Note 1 for a description of the calculation of ages.

Note: report excludes 3 dentists who did not respond to the survey.

Table 28 -- VT Dentists, 2005  
 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		352 267.1 10857	278 216.0 8752	74 51.1 2105
Barre		38 26.6 1066	28 21.8 874	10 4.8 192
Bennington		30 20.9 860	22 17.2 713	8 3.6 147
Brattleboro		27 18.1 741	19 14.8 606	8 3.3 135
Burlington		117 88.6 3585	81 65.4 2634	36 23.2 950
Middlebury		17 10.5 419	12 9.1 365	5 1.3 54
Morrisville		15 9.5 381	12 9.2 366	3 .4 15
Newport		11 6.1 259	8 5.9 249	3 .3 10
Randolph		5 4.0 161	5 4.0 161	. . . . .
Rutland		39 27.3 1125	31 20.7 833	8 6.6 292
Springfield		18 11.4 467	14 9.7 400	4 1.7 67
St. Albans		26 15.7 651	19 13.9 575	7 1.9 76
St. Johnsbury		16 10.7 429	14 9.6 385	2 1.1 44
White River Jct		30 17.7 712	24 14.7 590	6 3.0 122

In this table dentists may be counted in more than one HSA (Note 4).  
 Note: report excludes 3 dentists who did not respond to the survey.

Table 29 -- VT Dentists, 2005  
 Numbers of Primary Care Dentists, Full Time Equivalent (FTEs),  
 and Total Weekly Patient Care Hours, by Hospital Service Area

	Count FTEs Hours	PRIMARY CARE TOTAL	GENERAL	PEDIATRIC
STATEWIDE TOTAL		278 216.0 8752	269 209.1 8476	9 6.9 276
Barre		28 21.8 874	28 21.8 874	. . . .
Bennington		22 17.2 713	22 17.2 713	. . . .
Brattleboro		19 14.8 606	19 14.8 606	. . . .
Burlington		81 65.4 2634	77 61.9 2496	4 3.5 138
Middlebury		12 9.1 365	12 9.1 365	. . . .
Morrisville		12 9.2 366	12 9.2 366	. . . .
Newport		8 5.9 249	7 5.1 217	1 .8 32
Randolph		5 4.0 161	5 4.0 161	. . . .
Rutland		31 20.7 833	30 19.8 797	1 .9 36
Springfield		14 9.7 400	14 9.7 400	. . . .
St. Albans		19 13.9 575	18 13.7 567	1 .2 8
St. Johnsbury		14 9.6 385	13 9.1 362	1 .6 23
White River Jct		24 14.7 590	22 13.7 550	2 1.0 39

In this table dentists may be counted in more than one HSA (Note 4).  
 Note: report excludes 3 dentists who did not respond to the survey.

Table 30 -- VT Dentists, 2005  
 Numbers of Specialty Care Dentists, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Hospital Service Area

	Count FTEs Hours	SPECIALTY CARE						OTHER
		TOTAL	ORAL SURGERY	ENDO- DONTICS	ORTHO- DONTICS	PERIO- DONTICS	PROSTHO- DONTICS	
STATEWIDE TOTAL	74 51.1 2105	19 15.3 618	9 7.1 282	27 16.9 679	12 7.2 309	4 1.9 75	3 2.7 142	
Barre	10 4.8 192	1 1.0 42	1 1.0 40	6 2.4 95	2 .4 16	.	.	
Bennington	8 3.6 147	2 1.3 53	.	3 1.3 53	1 .9 35	1 .1 3	1 .1 4	
Brattleboro	8 3.3 135	3 1.4 55	.	2 .8 32	2 1.1 45	.	1 .1 4	
Burlington	36 23.2 950	9 7.0 280	5 3.5 140	13 6.9 276	6 3.8 174	2 1.0 39	1 1.0 41	
Middlebury	5 1.3 54	1 .8 32	.	3 .5 21	1 <.05 1	.	.	
Morrisville	3 .4 15	1 .2 8	.	2 .2 7	.	.	.	
Newport	3 .3 10	.	.	3 .3 10	.	.	.	
Randolph	.	.	.	.	.	.	.	
Rutland	8 6.6 292	2 1.7 69	2 1.6 62	2 1.6 62	1 .9 34	.	1 .9 65	
Springfield	4 1.7 67	.	.	2 .9 34	1 .1 4	.	1 .7 29	
St. Albans	7 1.9 76	2 1.0 43	.	5 .8 33	.	.	.	
St. Johnsbury	2 1.1 44	1 .9 36	.	1 .2 8	.	.	.	
White River Jct	6 3.0 122	.	1 1.0 40	3 1.2 49	1 <.05 0	1 .8 33	.	

In this table dentists may be counted in more than one HSA (see Note 4).  
 Note: report excludes 3 dentists who did not respond to the survey.

Table 31 -- VT Dentists, 2005  
 Primary Care Dentistry FTE to Population Ratios  
 by Hospital Service Area

HSA	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	216.04	623,050	34.67	2,884
Barre	21.80	66,984	32.55	3,073
Bennington	17.23	40,691	42.35	2,361
Brattleboro	14.80	32,000	46.25	2,162
Burlington	65.39	168,776	38.74	2,581
Middlebury	9.12	28,450	32.04	3,121
Morrisville	9.16	26,710	34.29	2,916
Newport	5.89	28,904	20.37	4,909
Randolph	4.03	14,699	27.44	3,644
Rutland	20.74	64,567	32.12	3,113
Springfield	9.71	28,887	33.60	2,976
St. Albans	13.89	45,221	30.71	3,256
St. Johnsbury	9.63	27,573	34.93	2,863
White River Jct	14.66	49,588	29.56	3,383

Only General and Pediatric dentists are included.

Population estimates are for 2005 (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 two digits for display only.  
 The ratios were calculated using the unrounded values.

Note: report excludes 3 dentists who did not respond to the survey.

Table 32 -- VT Dentists, 2005  
FTEs by Age by Hospital Service Area

HSA	Total	FTEs in Age Group								Age 50+ *
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	
STATEWIDE TOTAL										
Total	267.1	28.0	21.7	27.0	43.6	44.1	49.7	34.3	17.1	55%
Primary Care	216.0	25.5	15.2	21.8	36.4	36.8	37.6	29.1	13.6	54%
Specialists	51.1	2.5	6.5	5.2	7.2	7.3	12.1	5.2	3.5	57%
Barre										
Primary Care	21.8	2.4	3.5	.7	3.8	5.1	4.4	1.6	.3	52%
Specialists	4.8	.	.3	.9	.5	2.1	1.0	.	.	65%
Bennington										
Primary Care	17.2	1.0	.8	1.0	3.6	3.4	5.6	1.8	.1	63%
Specialists	3.6	.5	.	.	.8	.9	.	.9	.6	63%
Brattleboro										
Primary Care	14.8	.	1.8	2.2	.8	3.9	1.8	3.4	.9	68%
Specialists	3.3	.	<.05	.	.	1.5	1.8	.	.1	100%
Burlington										
Primary Care	65.4	10.2	4.2	9.2	12.9	11.6	10.2	4.0	3.1	44%
Specialists	23.2	1.2	4.5	3.5	4.6	.2	4.6	2.4	1.8	39%
Middlebury										
Primary Care	9.1	.9	.	.	1.6	.	1.7	4.2	.7	72%
Specialists	1.3	.2	.	<.05	.2	.	1.0	.	.	74%
Morrisville										
Primary Care	9.2	1.6	.9	1.0	1.1	1.4	2.4	.7	.	50%
Specialists	.4	.	.	.	.3	.1	.	.	.	19%
Newport										
Primary Care	5.9	1.5	.	1.0	.	.	1.7	.9	.8	57%
Specialists	.3	.1	.	.	.1	.	.1	.	.	33%
Randolph										
Primary Care	4.0	.	1.0	.8	.	.7	.8	.8	.	55%
Rutland										
Primary Care	20.7	<.05	.	1.8	3.0	3.6	6.1	3.5	2.7	77%
Specialists	6.6	.	1.0	.8	.	.8	1.6	.7	.9	69%
Springfield										
Primary Care	9.7	1.8	2.0	.	1.6	1.9	.	1.3	1.2	44%
Specialists	1.7	.	.7	.	.	.7	.1	.	.	53%
St. Albans										
Primary Care	13.9	4.0	.	1.0	4.8	1.7	.9	1.3	.2	30%
Specialists	1.9	.6	.	.	.8	.	.	.2	.2	23%
St. Johnsbury										
Primary Care	9.6	1.7	.	.9	1.7	.8	.9	1.7	1.8	55%
Specialists	1.1	.	.	.	.	.	.9	.2	.	100%
White River Jct										
Primary Care	14.7	.2	1.0	2.2	1.6	2.8	1.1	4.0	1.8	66%
Specialists	3.0	.	.	.	.	1.1	1.1	.8	.	100%

\* This part of the table is not comparable between years.  
In the 2003 report this column listed % age 60+.

All worksites of each dentist are counted in this table (see Note 4).  
The 'Total' column includes 3 dentists with unknown ages.  
See Note 1 for a description of the calculation of ages.  
Note: report excludes 3 dentists who did not respond to the survey.

Table 33 -- VT Dentists, 2005  
Practice Settings by Hospital Service Area

HSA	Total	Number in Setting					
		Solo Practice	Practice of 2 dentists	Practice of 3+ dentists	Nursing Home	Volunteer	Other
STATEWIDE TOTAL							
Total	352	185	87	68	2	4	6
Primary Care	278	153	76	39	2	3	5
Specialists	74	32	11	29	.	1	1
Barre							
Primary Care	27	13	10	2	1	.	1
Specialists	5	4	.	1	.	.	.
Bennington							
Primary Care	21	17	4	.	.	.	.
Specialists	7	4	3	.	.	.	.
Brattleboro							
Primary Care	19	11	5	3	.	.	.
Specialists	7	1	.	6	.	.	.
Burlington							
Primary Care	81	34	26	21	.	.	.
Specialists	34	8	5	21	.	.	.
Middlebury							
Primary Care	11	8	3	.	.	.	.
Specialists	1	1	.	.	.	.	.
Morrisville							
Primary Care	12	3	4	3	1	.	1
Specialists	0	.	.	.	.	.	.
Newport							
Primary Care	7	4	2	.	.	.	1
Specialists	0	.	.	.	.	.	.
Randolph							
Primary Care	5	5	.	.	.	.	.
Specialists	0	.	.	.	.	.	.
Rutland							
Primary Care	29	20	6	3	.	.	.
Specialists	8	6	2	.	.	.	.
Springfield							
Primary Care	13	9	2	.	.	.	2
Specialists	4	2	1	.	.	.	1
St. Albans							
Primary Care	17	9	6	2	.	.	.
Specialists	1	.	.	1	.	.	.
St. Johnsbury							
Primary Care	13	6	2	5	.	.	.
Specialists	2	2	.	.	.	.	.
White River Jct							
Primary Care	23	14	6	.	.	3	.
Specialists	5	4	.	.	.	1	.

Each dentist is counted once in this table, in their main practice setting, and, independently, in their main HSA of practice (see Note 9).

Note: report excludes 3 dentists who did not respond to the survey.

Table 34 -- VT Dentists, 2005  
Practice Availability by Hospital Service Area

HSA	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	290	88%	59%	64%	22%	3.5	3.3
Specialists	118	96%	79%	84%	42%	2.3	2.0
Barre							
Primary Care	28	88%	41%	69%	15%	4.8	4.4
Specialists	10	89%	78%	78%	44%	3.9	4.3
Bennington							
Primary Care	21	86%	57%	57%	14%	3.0	2.7
Specialists	8	75%	63%	50%	25%	2.4	1.5
Brattleboro							
Primary Care	19	84%	42%	58%	21%	2.9	2.8
Specialists	8	100%	38%	75%	25%	2.3	1.8
Burlington							
Primary Care	95	88%	60%	67%	16%	2.5	3.3
Specialists	55	98%	83%	87%	40%	2.1	1.7
Middlebury							
Primary Care	11	91%	91%	55%	18%	3.7	2.7
Specialists	5	100%	80%	100%	80%	3.2	1.0
Morrisville							
Primary Care	10	100%	70%	50%	0%	2.7	2.0
Specialists	3	100%	100%	100%	100%	3.0	4.3
Newport							
Primary Care	7	71%	71%	71%	71%	11.2	6.6
Specialists	3	100%	100%	100%	100%	1.0	1.0
Randolph							
Primary Care	5	100%	75%	75%	25%	4.5	4.3
Specialists	0						
Rutland							
Primary Care	30	80%	42%	64%	19%	2.7	2.7
Specialists	8	100%	100%	100%	50%	2.0	1.7
Springfield							
Primary Care	11	100%	64%	73%	18%	4.4	3.8
Specialists	3	100%	33%	33%	33%	1.3	1.7
St. Albans							
Primary Care	19	94%	83%	61%	50%	4.1	2.7
Specialists	7	100%	100%	100%	14%	1.9	1.3
St. Johnsbury							
Primary Care	13	92%	75%	75%	58%	3.3	2.0
Specialists	2	100%	100%	100%	100%	3.0	3.0
White River Jct							
Primary Care	21	81%	48%	52%	24%	5.0	3.9
Specialists	6	100%	67%	83%	17%	3.0	2.5

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.  
Note: report excludes 3 dentists who did not respond to the survey.

\* This part of the table is not comparable between years. In the 2003 report these columns listed those accepting 2+ new patients per month.

**Vermont Dentists**  
**Comparison Between 2003 and 2005**



Table 35 -- VT Dentists, 2003 and 2005  
 Summary of Active Dentists, 2003 vs. 2005

	2003	2005	Change	
	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	367	352	-15	-4%
Type of Practice:				
Primary Care Total	293	278	-15	-5%
General	284	269	-15	-5%
Pediatric	9	9	0	0%
Specialty Care Total	74	74	0	0%
Oral Surgery	22	19	-3	-14%
Endodontics	10	9	-1	-10%
Orthodontics	26	27	+1	+4%
Periodontics	10	12	+2	+20%
Prosthodontics	3	4	+1	+33%
Public Health	.	1	.	.%
Other Specialties	3	2	-1	-33%
Age groups:				
Younger than 35	35	35	0	0%
35 - 44	86	60	-26	-30%
45 - 54	116	112	-4	-3%
55 - 59	66	64	-2	-3%
60 - 64	41	48	+7	+17%
65 and older	22	30	+8	+36%
Unknown	1	3		
Gender:				
Male	316	305	-11	-3%
Female	51	47	-4	-8%
Patient care hours:				
40 or more hours/week	57	49	-8	-14%
30 to under 40 hours/week	216	197	-19	-9%
Less than 30 hours/week	94	106	+12	+13%
Number of practice sites:				
One	319	308	-11	-3%
Two	32	29	-3	-9%
Three or more	16	15	-1	-6%

Table 36 -- VT Dentists, 2003 and 2005  
Full Time Equivalents (FTEs) by County

PRIMARY CARE:

	2003	2005	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	226.7	216.0	-10.7
Addison County	9.3	9.1	-.2
Bennington County	17.2	15.4	-1.8
Caledonia County	13.7	11.6	-2.1
Chittenden County	65.6	63.6	-2.0
Essex County	.8	.8	.
Franklin County	13.1	13.9	+.8
Grand Isle County	.8	.9	+.1
Lamoille County	6.6	8.1	+1.5
Orange County	6.5	7.2	+.7
Orleans County	5.3	5.1	-.2
Rutland County	23.6	20.7	-2.9
Washington County	24.2	21.8	-2.4
Windham County	21.0	20.7	-.3
Windsor County	18.9	17.1	-1.8

SPECIALTY CARE:

	2003	2005	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	54.1	51.1	-3.0
Addison County	1.6	1.3	-.3
Bennington County	3.0	3.6	+.6
Caledonia County	1.4	1.1	-.3
Chittenden County	23.7	23.2	-.5
Essex County	.	.	.
Franklin County	1.7	1.9	+.2
Grand Isle County	.	.	.
Lamoille County	.4	.4	.
Orange County	.	.	.
Orleans County	.6	.3	-.3
Rutland County	7.9	6.6	-1.3
Washington County	5.8	4.8	-1.0
Windham County	3.7	3.4	-.3
Windsor County	4.4	4.6	+.2

# Appendices



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

### **Definition of Active Dentist**

A dentist who relicensed (in September 2005) for the period 2005-2007 in Vermont, and who provided patient care hours 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.

### **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 2 and 3 of the survey instrument (see Appendix C) and were categorized in the following way for presentation in the tables:

**Solo practice;**

**Practice of 2 dentists;**

**Practice of 3 or more dentists;**

**Hospital dentistry (inpatient);**

**Nursing home;**

**Volunteer 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.

### **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:

### **Examples of FTE Calculation for Main Setting**

		<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**

Main county is the county in which the dentist practices the greatest number of patient care hours.

### **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 board certification). 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**

For the survey of dentists, ages are calculated as of 9/30/05, based on the date of birth. For example, a person born in September 1965 is considered 40 years old, while a person born in October 1965 is considered 39 years old.

(Notes 2 and 3 skipped intentionally)

### **4. Notes regarding tables listing provider Full Time Equivalents (FTE) and Hours by County (or HSA, 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 2005 and were provided by the Department of Health. These estimates are a slightly modified version of the NCHS/Census Bureau collaborative bridged population estimates. The under-5 population was estimated based on Vital Records data.

(Note 8 skipped intentionally)

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

Each provider’s main practice setting and main county or HSA 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 (Table 22 and Table 34), but the table reporting availability by type of practice (Table 21) counts each provider only once.

The 2003 report listed the number and percent accepting 2+ new patients per month. This report lists the number and percent accepting 5+ new patients per month. That part of each such table is therefore not comparable across years.

Dentists were not asked about Medicare patients, since Medicare does not cover dental care.

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**

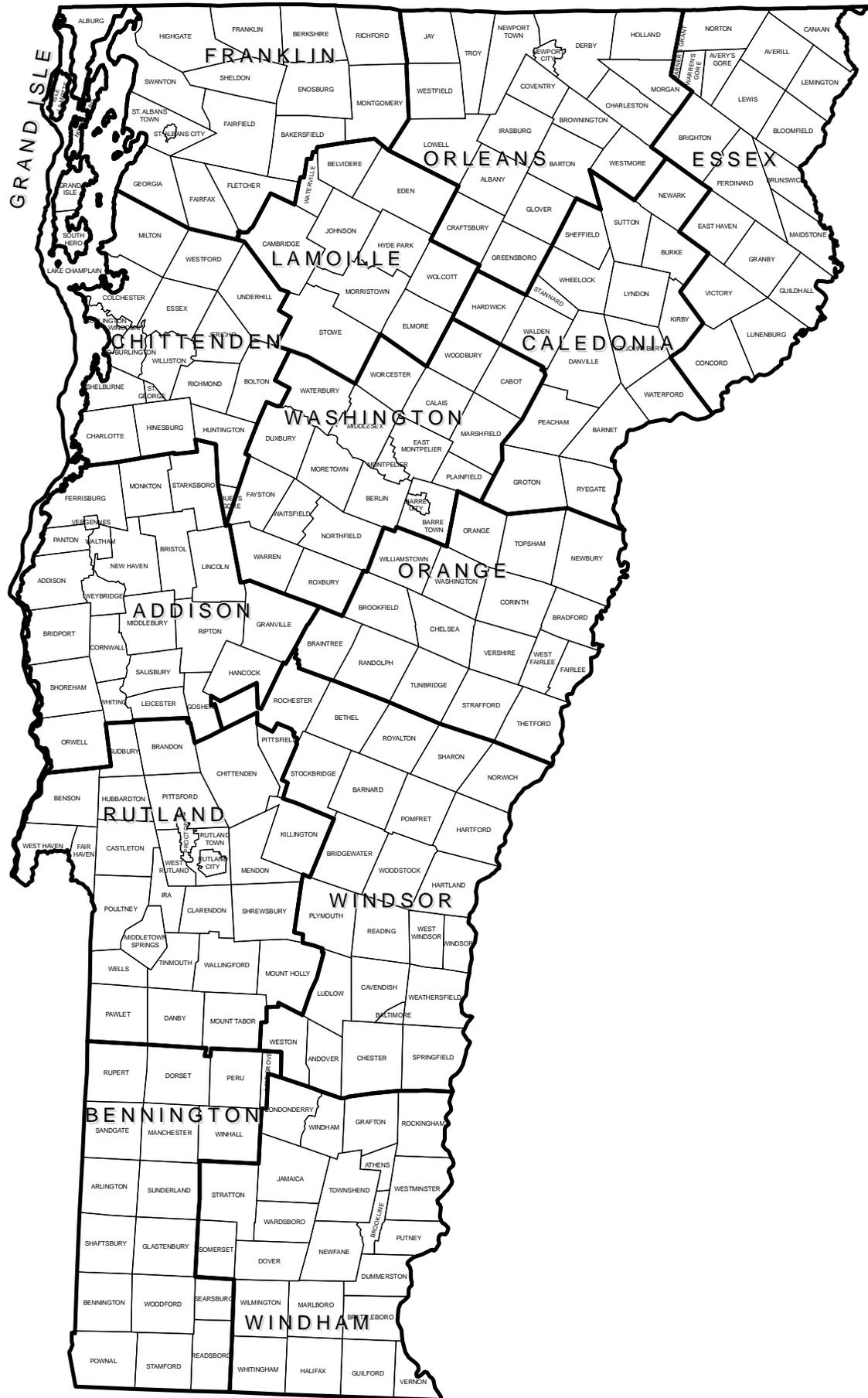
"Full Time" is defined here as 40 (or more) hours of direct patient care per week in Vermont for 48 weeks per year. Average weekly hours (based on 48 weeks per year) were computed for providers who worked more or less than 48 weeks per year.







# Appendix D: Vermont Town and County Boundaries



**Hospital Service Areas (HSAs)  
Based on 1997-2001 Immediate Care Inpatient Discharges**

