

Vermont Department of Health  
**2006 Physician Survey**  
**Statistical Report**



# 2006 Physician Survey

## Statistical Report

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## Introduction

Since the health of Vermonters depends, in part, on access to health care, we need to measure the supply of health care providers, including their distribution by geography and specialty. In this report we present detailed profiles of physicians practicing in Vermont as of the end of the year 2006; these data can be used as the basis for policy analysis, shortage area designations, and recruitment and retention activities.

### Data Collection

This report includes physicians (MDs) who renewed their license as of late 2006. A survey was included with the relicensing renewal form sent by the Vermont Board of Medical Practice (now part of the Department of Health) in the fall of 2006. A copy of this survey is included in this report as Appendix C. Follow-up mailings and phone calls were made to those physicians residing in Vermont, or a neighboring state, who did not return the survey or did not answer critical questions.

A separate board licenses Doctors of Osteopathy (DO). Survey forms were mailed along with the relicensing forms in the summer of 2006. Follow-up by mail and telephone was conducted as needed. Data from the DO survey were combined with the MD survey data to produce this report.

Included in this report are physicians who provide patient care in Vermont. Excluded are the substantial number of physicians who maintain Vermont licenses even though they do not practice in Vermont. Federally employed physicians who do not provide patient care outside a federal facility are not required to maintain a Vermont license, and are therefore not included, unless they do have a Vermont license. Physicians participating in residency programs are not required to maintain a Vermont license, although some choose to do so. For consistency, all residents, clinical fellows and research fellows are excluded from this report.

Similar surveys were also conducted every two years since 1992. Comparisons of the 2006 survey to previous surveys are included in this report. Similar data are collected from other health professionals. Results from these surveys are available on the Department of Health web site at <http://healthvermont.gov/pubs/Publications.aspx#phstat>.

### Limitations

Information was obtained from all potentially active physicians who renewed their license by March 2007, except for three physicians who refused to provide the information. Physicians who were in residency or fellowship training at the time are not included in this report. Work done on a *locum tenens* basis is not counted here; this excludes 80 physicians. Another 25 physicians worked partly as *locum tenens* and partly not - their non-*locum-tenens* work is reported here. (*Locum tenens* practitioners fill positions on a temporary basis when practitioners are on sabbatical, vacation, or absent for an extended period.) Physicians who worked partly in Vermont and partly elsewhere are reported here, but only their Vermont work is reported. Some physicians, notably some radiologists, provide services remotely from out of state to Vermont patients. They are counted in this report (in the "tele-radiology" practice setting), but since the portion of their work related to Vermont patients could not be determined, radiologists' hours are not reported, and full-time equivalents (FTEs) are not computed.

The surveys were reviewed for accuracy and consistency. Missing and/or inconsistent data items were evaluated as to their importance. Non-critical missing data items are reported as missing. In a few instances where critical information was missing, but the physician is known to be practicing the same specialty in the same town as in the 2004 survey, the missing data were replaced with information from the 2004 survey. In all other cases follow-up was conducted by phone.

In general, information for this report was self-reported and 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.

In the 2004 survey there were indications that, due to a misunderstanding, some physicians reported the total number of weekly hours in the part of the form where the number of weeks per year was requested. It is likely that the number of weeks per year was under-stated by a significant number of physicians (approximately 100). Thus the FTEs for 2004 may have been underestimated by as much as 4% overall. This problem was largely resolved in 2006.

Detailed notes and definitions are included in the Appendices. Please contact us if you have any questions about the survey or the report. A public use database of the 2006 survey results is also available by calling or writing the Department of Health, Public Health Statistics, P.O. Box 70, Burlington, VT 05402, tel. (802) 863-7300.

## Summary of Active Physicians, 2006

- ◆ This report includes data reported by 1730 physicians providing patient care in Vermont. This includes 1680 Medical Doctors and 50 Doctors of Osteopathy. Residents and fellows are excluded from this report.
- ◆ 640 physicians provide mainly primary care, corresponding to 503.6 Full Time Equivalents (FTEs).
- ◆ 1090 physicians provide mainly specialty care, corresponding to 736.0 FTEs.
- ◆ 55% of physicians provide 40 or more direct patient care hours per week, and another 16% provided 30 to 39 hours per week. This does *not* include “on call” hours, administration, teaching, and research.
- ◆ 15% of primary care physicians are over age 60, and retirement is a future consideration. This includes 22% of primary care internists and 18% of obstetricians/gynecologists.
- ◆ In 12 of 14 counties, 10% or more of the primary care physicians are over age 60. Addison County (31%), Lamoille County (30%), Caledonia County (25%), and Windsor County (24%) may expect the largest turnover.
- ◆ 17% of specialists are over age 60. This includes 29% of ophthalmologists, 27% of neurologists, 27% of psychiatrists, 25% of pathologists, and 24% of general surgeons.
- ◆ 82% of primary care physicians (in office settings) accept new patients, but only 68% accept new Medicaid patients and 72% accept new Medicare patients.
- ◆ 496 or 29% of Vermont physicians, and 41% of primary care physicians, are women. In 1996 22% of Vermont physicians, and 28% of primary care physicians, were women.
- ◆ 576 or 35% of Vermont’s physicians have attended the University of Vermont’s College of Medicine and/or have done a residency or fellowship there. 326 (20%) are graduates of the College of Medicine, and 392 (24%) did a residency or fellowship there.
- ◆ Vermont saw a net increase of only 6 primary care physicians between 2004 and 2006. A larger increase in FTEs was seen, however the FTEs for 2004 may have been underestimated by as much as 4%. There was also an increase of 112 specialty care physicians between 2004 and 2006, in part due to an increase in tele-radiology. See the next page for a fuller comparison of data over the years 1996-2006.
- ◆ The ratio of primary care physician FTEs to population increased slightly overall, but dropped in some areas, including Bennington County, Lamoille County, Orleans County, and a large drop in Orange County.

### Comparison of Selected Physician Data, 1996-2006

	1996	1998	2000	2002	2004	2006
Total active * physicians	1384	1410	1480	1565	1612	1730
Percent female	22%	24%	26%	28%	29%	29%
Primary care physicians	535	554	585	628	634	640
Family Practice	227	234	258	259	280	291
Internal Medicine	155	158	164	198 ^	177	174
Ob/Gyn	63	62	64	68	70	67
Pediatric Primary Care	90	100	99	103	107	108
% over age 60	13%	11%	9%	9%	12%	15%
% accepting new patients @	92%	87%	80%	83%	81%	82%
accepting new Medicaid patients @	86%	81%	72%	75%	70%	68%
accepting new Medicare patients @	87%	81%	73%	78%	71%	71%
Specialist physicians	849	856	895	937	978	1090
Anesthesiology	60	58	59	73	78	79
Emergency Medicine	81	82	76	86	84	96
Internal Medicine	124	124	138	128 ^	157	183
Pathology #	42	43	42	44	47	56
Psychiatry	152	142	154	146	160	169
Radiology #	61	66	72	83	71	106
General Surgery	50	38	42	51	46	49
Orthopedic Surgery	50	53	55	60	57	65
Other Surgery	24	30	37	32	36	39
Other Specialties	205	220	220	234	242	248
Primary care physician FTEs &	438.2	450.3	472.2	492.9	478.7	503.6
Family Practice	180.6	190.7	211.5	206.2	215.9	229.9
Internal Medicine	126.9	126.9	128.5	145.5 ^	124.5	129.7
Ob/Gyn	55.1	51.8	53.3	59.1	58.3	59.1
Pediatric Primary Care	75.7	80.9	78.8	82.2	79.9	84.9
FTEs/100,000 population **	73.4	75.0	77.6	80.1	77.0	80.7
% of FTEs in Chittenden County	30%	29%	28%	29%	29%	30%
Specialist physician FTEs # &	573.2	596.4	621.3	657.5	656.1	736.0
Anesthesiology	56.4	56.3	56.4	69.1	67.7	72.7
Emergency Medicine	56.5	63.0	57.0	60.6	59.6	73.1
Internal Medicine	89.4	90.5	104.6	96.8 ^	118.0	139.0
Ophthalmology	32.6	36.7	36.7	39.4	35.7	34.0
Psychiatry	104.1	110.6	117.5	115.7	118.8	126.2
General Surgery	41.6	33.6	36.0	43.4	36.4	42.8
Orthopedic Surgery	46.7	48.8	49.9	50.0	49.0	51.5
Other Surgery	24.2	29.9	32.8	29.0	29.2	33.8
Other Specialties #	121.7	127.1	130.3	153.5	141.8	162.9
% of FTEs in Chittenden County	42%	43%	43%	44%	46%	46%

\* providing patient care in Vermont

\*\* population estimates for 1994-1998 revised after 2000 census – see note 7

^ some internists counted as primary care in 2002 were probably specialists

@ % of sites not physicians, '02 not comparable with other years – see notes 10 and 11

# FTEs not computed for pathology and radiology

& FTEs for 2004 may be underestimated by as much as 4% overall.

# Vermont Physicians Demographics and Training



Table 1 -- VT Physicians, 2006  
 Summary of Active Physicians

TOTAL	1730	
Medical Doctor (MD)	1680	( 97%)
Doctor of Osteopathy (DO)	50	( 3%)
Main specialty:		
Primary Care Total	640	( 37%)
Family Practice	291	( 17%)
Primary Care Internal Medicine	174	( 10%)
Obstetrics and Gynecology	67	( 4%)
Pediatrics	108	( 6%)
Specialty Care Total	1090	( 63%)
Anesthesiology	79	( 5%)
Emergency Medicine	96	( 6%)
Internal Medicine Specialties	183	( 11%)
Neurology	37	( 2%)
Ophthalmology	41	( 2%)
Pathology	56	( 3%)
Psychiatry	169	( 10%)
Radiology	106	( 6%)
Surgery: General	49	( 3%)
Surgery: Orthopedic	65	( 4%)
Surgery: Other	39	( 2%)
Urology	26	( 2%)
Other Specialties	144	( 8%)
Age groups:		
less than 35	79	( 5%)
35 - 44	456	( 26%)
45 - 54	647	( 38%)
55 - 59	256	( 15%)
60 - 64	162	( 9%)
65 and up	123	( 7%)
unknown *	7	
Gender:		
Male	1234	( 71%)
Female	496	( 29%)
Number of practice sites:		
One	1335	( 77%)
Two	282	( 16%)
Three or more	113	( 7%)
Patient care hours: (excluding pathologists and radiologists)		
40 or more hours/week	863	( 55%)
30 to 39 hours/week	246	( 16%)
less than 30 hours/week	459	( 29%)

\* Unknowns are excluded from the percentages

Table 2 -- VT Physicians, 2006  
Age by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	1730	79	456	647	256	162	123	16%
MALES	1234	37	279	446	207	143	117	21%
FEMALES	496	42	177	201	49	19	6	5%
PRIMARY CARE	640	37	178	227	97	62	36	15%
Family Practice	291	19	81	113	42	25	10	12%
Internal Medicine	174	11	42	61	20	22	16	22%
Ob/Gyn	67	2	19	19	15	8	4	18%
Pediatrics	108	5	36	34	20	7	6	12%
SPECIALTY CARE	1090	42	278	420	159	100	86	17%
Anesthesiology	79	7	25	33	8	5	0	6%
Emergency Medicine	96	8	20	48	12	6	2	8%
Internal Medicine	183	7	47	76	26	12	14	14%
Neurology	37	2	7	12	6	6	4	27%
Ophthalmology	41	4	6	14	4	6	7	32%
Pathology	56	3	18	15	5	8	6	25%
Psychiatry	169	4	25	60	35	25	20	27%
Radiology	106	2	36	36	17	6	9	14%
Surgery: General	49	0	15	15	7	4	8	24%
Surgery: Orthopedic	65	2	17	22	12	8	4	18%
Surgery: Other	39	1	11	19	3	3	2	13%
Urology	26	0	11	9	5	1	0	4%
Other Specialties	144	2	40	61	19	10	11	15%
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	5%	26%	38%	15%	9%	7%	16%
MALES	100%	3%	23%	36%	17%	12%	9%	21%
FEMALES	100%	9%	36%	41%	10%	4%	1%	5%
PRIMARY CARE	100%	6%	28%	36%	15%	10%	6%	15%
SPECIALTY CARE	100%	4%	26%	39%	15%	9%	8%	17%

The 'Total' column includes 7 physicians with unknown ages.  
See Note 1 for a description of the calculation of age.

Table 3 -- VT Physicians, 2006  
Age by Specialty for Each Gender

Specialty	Total	Number in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
TOTAL	1730	79	456	647	256	162	123	16%
MALES	1234	37	279	446	207	143	117	21%
PRIMARY CARE	380	12	75	127	76	54	35	23%
Family Practice	182	9	34	73	33	23	10	18%
Internal Medicine	114	3	22	38	17	18	15	29%
Ob/Gyn	36	.	6	6	13	7	4	31%
Pediatrics	48	.	13	10	13	6	6	25%
SPECIALTY CARE	854	25	204	319	131	89	81	20%
Anesthesiology	58	3	20	23	6	5	.	9%
Emergency Medicine	82	6	15	43	11	5	2	9%
Internal Medicine	144	3	27	64	24	11	14	17%
Neurology	29	1	5	8	5	6	4	34%
Ophthalmology	37	4	5	12	3	6	7	35%
Pathology	42	1	13	12	3	6	6	29%
Psychiatry	111	2	15	33	26	20	15	32%
Radiology	85	1	29	26	14	6	9	18%
Surgery: General	46	.	14	13	7	4	8	26%
Surgery: Orthopedic	60	2	15	19	12	8	4	20%
Surgery: Other	36	1	9	18	3	3	2	14%
Urology	23	.	8	9	5	1	.	4%
Other Specialties	101	1	29	39	12	8	11	19%
FEMALES	496	42	177	201	49	19	6	5%
PRIMARY CARE	260	25	103	100	21	8	1	3%
Family Practice	109	10	47	40	9	2	.	2%
Internal Medicine	60	8	20	23	3	4	1	8%
Ob/Gyn	31	2	13	13	2	1	.	3%
Pediatrics	60	5	23	24	7	1	.	2%
SPECIALTY CARE	236	17	74	101	28	11	5	7%
Anesthesiology	21	4	5	10	2	.	.	.
Emergency Medicine	14	2	5	5	1	1	.	7%
Internal Medicine	39	4	20	12	2	1	.	3%
Neurology	8	1	2	4	1	.	.	.
Ophthalmology	4	.	1	2	1	.	.	.
Pathology	14	2	5	3	2	2	.	14%
Psychiatry	58	2	10	27	9	5	5	17%
Radiology	21	1	7	10	3	.	.	.
Surgery: General	3	.	1	2	.	.	.	.
Surgery: Orthopedic	5	.	2	3	.	.	.	.
Surgery: Other	3	.	2	1	.	.	.	.
Urology	3	.	3	.	.	.	.	.
Other Specialties	43	1	11	22	7	2	.	5%

The 'Total' column includes 7 physicians with unknown ages.  
See Note 1 for a description of the calculation of age.

Table 4 -- VT Physicians, 2006  
Age by County

County	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	1730	79	456	647	256	162	123	16%
Primary Care	640	37	178	227	97	62	36	15%
Specialists	1090	42	278	420	159	100	87	17%
Addison County								
Primary Care	42	1	11	14	3	8	5	31%
Specialists	49	4	16	23	2	2	2	8%
Bennington County								
Primary Care	41	2	9	20	6	1	3	10%
Specialists	78	6	22	24	13	7	6	17%
Caledonia County								
Primary Care	28	0	5	10	6	5	2	25%
Specialists	33	0	12	10	4	3	4	21%
Chittenden County								
Primary Care	185	17	56	70	27	9	5	8%
Specialists	474	16	125	195	57	48	30	17%
Essex County								
Primary Care	4	0	3	1	0	0	0	0%
Specialists	0							
Franklin County								
Primary Care	39	5	11	16	3	2	2	10%
Specialists	36	1	9	22	3	0	1	3%
Grand Isle County								
Primary Care	2	1	0	0	0	1	0	50%
Specialists	0							
Lamoille County								
Primary Care	23	0	4	9	3	6	1	30%
Specialists	23	2	4	8	4	2	3	22%
Orange County								
Primary Care	21	0	7	6	5	1	2	14%
Specialists	29	1	4	8	6	5	5	34%
Orleans County								
Primary Care	19	1	5	7	4	1	1	11%
Specialists	25	1	10	9	3	2	0	8%
Rutland County								
Primary Care	46	1	16	16	6	3	3	13%
Specialists	97	5	24	39	14	5	10	15%
Washington County								
Primary Care	55	4	11	20	11	7	1	15%
Specialists	78	2	16	27	19	9	5	18%
Windham County								
Primary Care	59	3	18	18	9	8	3	19%
Specialists	68	1	16	20	12	6	12	27%
Windsor County								
Primary Care	76	2	22	20	14	10	8	24%
Specialists	99	3	20	35	21	11	9	20%

Each physician is counted once in this table, in their main specialty group, and, independently, in their main county of practice (Note 2). The 'Total' column includes 7 physicians with unknown ages (see Note 1). The statewide total includes one physician with unknown county.

Table 5 -- VT Physicians, 2006  
Gender by County

County	Total	Males	Females
STATEWIDE TOTAL			
Total	1730	1234 (71%)	496 (29%)
Primary Care	640	380 (59%)	260 (41%)
Specialists	1090	854 (78%)	236 (22%)
Addison County			
Primary Care	42	27 (64%)	15 (36%)
Specialists	49	41 (84%)	8 (16%)
Bennington County			
Primary Care	41	23 (56%)	18 (44%)
Specialists	78	64 (82%)	14 (18%)
Caledonia County			
Primary Care	28	17 (61%)	11 (39%)
Specialists	33	27 (82%)	6 (18%)
Chittenden County			
Primary Care	185	92 (50%)	93 (50%)
Specialists	474	355 (75%)	119 (25%)
Essex County			
Primary Care	4	1 (25%)	3 (75%)
Specialists	0		
Franklin County			
Primary Care	39	21 (54%)	18 (46%)
Specialists	36	33 (92%)	3 (8%)
Grand Isle County			
Primary Care	2	2 (100%)	0 (0%)
Specialists	0		
Lamoille County			
Primary Care	23	15 (65%)	8 (35%)
Specialists	23	16 (70%)	7 (30%)
Orange County			
Primary Care	21	15 (71%)	6 (29%)
Specialists	29	22 (76%)	7 (24%)
Orleans County			
Primary Care	19	13 (68%)	6 (32%)
Specialists	25	19 (76%)	6 (24%)
Rutland County			
Primary Care	46	37 (80%)	9 (20%)
Specialists	97	82 (85%)	15 (15%)
Washington County			
Primary Care	55	34 (62%)	21 (38%)
Specialists	78	62 (79%)	16 (21%)
Windham County			
Primary Care	59	37 (63%)	22 (37%)
Specialists	68	55 (81%)	13 (19%)
Windsor County			
Primary Care	76	46 (61%)	30 (39%)
Specialists	99	77 (78%)	22 (22%)

Each physician is counted once in this table, in their main specialty group, and, independently, in their main county of practice (see Note 2).  
The statewide total includes one physician with unknown county.

Table 6 -- VT Physicians, 2006  
 Years in Clinical Practice

Time since started	Anywhere	In Vermont
less than a year	37 ( 2%)	69 ( 4%)
1 or 2 years	74 ( 4%)	192 ( 11%)
3 or 4 years	95 ( 6%)	153 ( 9%)
5 to 9 years	235 ( 14%)	330 ( 19%)
10 to 14 years	291 ( 17%)	300 ( 18%)
15 to 19 years	258 ( 15%)	210 ( 12%)
20 to 24 years	251 ( 15%)	146 ( 9%)
25 to 29 years	192 ( 11%)	147 ( 9%)
30 to 34 years	173 ( 10%)	117 ( 7%)
35 years or more	101 ( 6%)	38 ( 2%)
unknown	23	28
Total	1730	1730
Median years:	17	11

Table 7 -- VT Physicians, 2006  
 Medical School Location by Specialty

Specialty	Total	Percent Graduated from Medical School in Region								
		VT	NH	Other NewEng	Mid Atlant	South	Central	West	Canada	Other Foreign
TOTAL	1730	20%	2%	11%	23%	15%	16%	4%	4%	5%
PRIMARY CARE	640	25%	2%	12%	24%	14%	13%	4%	4%	3%
Family Practice	291	27%	3%	12%	24%	10%	14%	4%	5%	2%
Internal Medicine	174	17%	3%	16%	27%	16%	13%	3%	1%	4%
Ob/Gyn	67	33%	0%	4%	24%	21%	10%	1%	6%	0%
Pediatrics	108	29%	0%	11%	16%	18%	13%	6%	4%	4%
SPECIALTY CARE	1090	16%	2%	11%	22%	15%	18%	4%	4%	7%
Anesthesiology	79	42%	1%	6%	11%	11%	13%	4%	4%	8%
Emergency Medicine	96	15%	3%	14%	15%	19%	19%	8%	4%	3%
Internal Medicine	183	11%	3%	14%	33%	10%	12%	4%	2%	11%
Neurology	37	3%	3%	11%	28%	25%	11%	3%	6%	11%
Ophthalmology	41	23%	0%	13%	26%	13%	15%	5%	3%	3%
Pathology	56	18%	2%	5%	13%	30%	14%	5%	0%	13%
Psychiatry	169	18%	2%	10%	17%	16%	22%	5%	2%	7%
Radiology	106	9%	2%	8%	19%	24%	24%	4%	6%	5%
Surgery: General	49	25%	0%	17%	23%	13%	17%	0%	2%	4%
Surgery: Orthopedic	65	12%	5%	18%	28%	8%	18%	3%	6%	2%
Surgery: Other	39	23%	0%	10%	23%	10%	13%	5%	10%	5%
Urology	26	19%	4%	8%	12%	15%	23%	8%	8%	4%
Other Specialties	144	12%	3%	8%	27%	14%	20%	3%	6%	8%

State of medical school is not known for 7 of the primary care physicians and 16 of the specialists. This table uses the standard mapping of states to regions (Note 12), but separates out VT and NH.

Table 8 -- VT Physicians, 2006  
Residency Training Location by Specialty

Specialty	Total	Percent Received Residency Training in Region								
		VT	NH	Other NewEng	Mid Atlant	South	Central	West	Canada	Other Foreign
TOTAL	1730	24%	8%	24%	26%	17%	16%	12%	4%	1%
PRIMARY CARE	640	25%	6%	22%	26%	14%	12%	10%	3%	1%
Family Practice	291	24%	2%	16%	28%	13%	13%	12%	5%	1%
Internal Medicine	174	27%	13%	32%	23%	10%	14%	8%	1%	0%
Ob/Gyn	67	27%	1%	13%	31%	19%	7%	4%	3%	1%
Pediatrics	108	26%	7%	23%	26%	20%	11%	13%	1%	1%
SPECIALTY CARE	1090	24%	10%	25%	26%	18%	19%	14%	4%	2%
Anesthesiology	79	39%	8%	25%	27%	19%	11%	15%	5%	4%
Emergency Medicine	96	12%	0%	31%	27%	10%	19%	15%	3%	0%
Internal Medicine	183	28%	12%	34%	25%	16%	17%	15%	1%	1%
Neurology	37	31%	6%	31%	39%	19%	19%	11%	3%	3%
Ophthalmology	41	3%	5%	10%	38%	33%	28%	15%	5%	3%
Pathology	56	32%	13%	25%	20%	30%	16%	11%	0%	4%
Psychiatry	169	28%	21%	21%	20%	14%	15%	9%	2%	1%
Radiology	106	23%	6%	24%	26%	22%	20%	18%	5%	1%
Surgery: General	49	23%	0%	26%	36%	11%	17%	2%	2%	2%
Surgery: Orthopedic	65	25%	8%	23%	31%	15%	22%	12%	6%	5%
Surgery: Other	39	28%	3%	13%	15%	15%	23%	28%	10%	3%
Urology	26	15%	23%	15%	15%	31%	23%	15%	8%	0%
Other Specialties	144	15%	11%	25%	28%	22%	25%	15%	7%	2%

If a physician listed residencies in more than one region, all were counted (Note 14). This table uses the standard mapping of states to regions (Note 12) but separates out VT and NH. The 'Total' column includes physicians whose location of residency is not known -- 8 of the primary care physicians and 16 of the specialists.

Table 9 -- VT Physicians, 2006  
 Training at the University of Vermont

	Total	Doctors with Known Medical School	Graduated from VT (UVM) Medical School
Primary Care	640	633	159 (25%)
Specialists	1090	1074	176 (16%)
Total	1730	1707	335 (20%)

	Total	Doctors with Known Residency	Completed VT (FAHC) Residency
Primary Care	640	632	161 (25%)
Specialists	1090	1074	255 (24%)
Total	1730	1706	416 (24%)

	Total	Doctors with Any Known Training	Any Training in VT
Primary Care	640	634	256 (40%)
Specialists	1090	1076	344 (32%)
Total	1730	1710	600 (35%)

Percentages are based on the number of physicians with known training (in the same row).

151 Vermont physicians both graduated from a VT Medical School (UVM) and did a residency in VT (FAHC). Therefore, the number under 'Any Training in VT' is less than the sum of VT graduates and residents (see Note 17).



# Vermont Physicians Distribution of Full Time Equivalents (FTEs)



Table 10 -- VT Physicians, 2006  
Full Time Equivalents (FTEs) by Age by Specialty and Gender

	Total	FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	1239.6	62.0	333.1	480.6	176.9	116.9	65.3	15%
MALES	890.1	30.3	206.8	338.7	143.9	105.5	61.9	19%
FEMALES	349.6	31.6	126.3	141.9	33.0	11.4	3.4	4%
PRIMARY CARE	503.6	30.3	139.4	183.0	74.0	50.4	23.5	15%
Family Practice	229.9	16.2	63.7	90.5	32.3	19.1	7.1	11%
Internal Medicine	129.7	7.3	30.5	45.5	16.5	17.0	10.9	22%
Ob/Gyn	59.1	2.0	16.6	18.1	11.4	7.7	3.4	19%
Pediatrics	84.9	4.8	28.7	28.9	13.9	6.6	2.1	10%
SPECIALTY CARE	736.0	31.7	193.7	297.6	102.9	66.5	41.4	15%
Anesthesiology	72.7	6.2	23.3	30.0	7.5	4.7	.	6%
Emergency Medicine	73.1	6.5	16.1	34.6	10.1	4.7	1.0	8%
Internal Medicine	139.0	4.7	38.9	57.6	17.0	10.6	9.4	14%
Neurology	27.9	1.5	6.5	9.8	4.1	4.2	1.8	22%
Ophthalmology	34.0	4.0	6.0	11.6	3.4	4.6	4.4	26%
Psychiatry	126.2	3.6	20.6	46.2	28.0	16.8	11.0	22%
Surgery: General	42.8	.	14.9	13.5	5.1	4.0	5.4	22%
Surgery: Orthopedic	51.5	2.0	13.3	18.4	10.2	6.0	1.6	15%
Surgery: Other	33.8	1.0	10.8	17.1	1.4	2.3	1.3	11%
Urology	22.7	.	10.8	7.7	3.3	1.0	.	4%
Other Specialties	112.3	2.2	32.6	51.0	12.9	7.6	5.8	12%
	Total	% of total FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	5%	27%	39%	14%	9%	5%	15%
MALES	100%	3%	23%	38%	16%	12%	7%	19%
FEMALES	100%	9%	36%	41%	9%	3%	1%	4%
PRIMARY CARE	100%	6%	28%	37%	15%	10%	5%	15%
SPECIALTY CARE	100%	4%	26%	41%	14%	9%	6%	15%

The 'Total' column includes 4.9 FTEs with unknown ages (see Note 1).  
Pathologists and radiologists are excluded from this table (see Note 3).

Table 11 -- VT Physicians, 2006  
Full Time Equivalents (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	1239.6	62.0	333.1	480.6	176.9	116.9	65.3	15%
Primary Care	503.6	30.3	139.4	183.0	74.0	50.4	23.5	15%
Specialists	736.0	31.7	193.7	297.6	102.9	66.5	41.8	15%
Addison County								
Primary Care	30.3	1.0	8.5	9.3	1.4	6.8	3.3	33%
Specialists	19.2	1.7	3.0	11.4	1.4	1.3	.6	9%
Bennington County								
Primary Care	34.0	1.7	7.8	16.1	5.6	1.0	1.9	8%
Specialists	52.6	4.8	16.0	16.1	8.0	5.9	1.9	15%
Caledonia County								
Primary Care	21.3	.	3.3	7.7	5.3	3.9	1.2	24%
Specialists	18.5	.	6.8	4.7	3.4	2.4	1.2	19%
Chittenden County								
Primary Care	149.0	13.7	46.4	57.4	20.1	7.6	2.6	7%
Specialists	339.4	13.2	93.9	146.0	36.1	34.8	14.3	15%
Essex County								
Primary Care	3.2	.	2.3	1.0	.	.	.	0%
Specialists	.	.	.	.	.	.	.	.
Franklin County								
Primary Care	32.9	3.9	8.5	13.9	2.5	2.0	2.0	12%
Specialists	29.5	.9	9.0	16.9	1.7	.6	.4	4%
Grand Isle County								
Primary Care	1.1	.6	.1	.	.	.5	.	46%
Specialists	.	.	.	.	.	.	.	.
Lamoille County								
Primary Care	17.9	.	3.3	6.8	2.8	3.9	1.0	28%
Specialists	18.8	1.9	2.9	7.2	3.8	1.4	1.7	16%
Orange County								
Primary Care	13.8	.	5.0	4.8	3.1	.8	.1	6%
Specialists	18.9	.7	3.5	5.3	4.1	3.7	1.6	28%
Orleans County								
Primary Care	18.0	1.0	5.4	6.4	4.1	.9	.2	6%
Specialists	18.7	.3	7.5	7.4	2.5	1.0	.	5%
Rutland County								
Primary Care	40.8	1.0	13.5	15.0	5.6	2.9	1.7	12%
Specialists	67.4	3.2	18.6	28.9	10.0	1.8	5.0	10%
Washington County								
Primary Care	49.8	3.9	9.1	18.2	9.5	7.1	1.0	17%
Specialists	58.7	2.1	11.4	20.7	15.0	5.2	4.2	16%
Windham County								
Primary Care	42.0	1.9	12.4	12.2	7.8	5.9	1.8	18%
Specialists	45.8	.8	8.4	13.8	10.6	4.5	6.8	25%
Windsor County								
Primary Care	49.5	1.7	13.7	14.1	6.2	7.1	6.7	28%
Specialists	48.4	2.1	12.6	19.3	6.4	3.9	4.1	17%

The 'Total' column includes 4.9 FTEs with unknown ages (see note 1).  
Pathologists and radiologists are excluded from this table (see Note 3).  
See Note 4 regarding calculation of hours and FTEs by county.

Table 12 -- VT Physicians, 2006  
 Numbers of Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	1568 1239.6 58183	655 503.6 23212	973 736.0 34971
Addison County	86 49.6 2208	43 30.3 1361	46 19.2 847
Bennington County	120 86.6 4039	43 34.0 1672	78 52.6 2368
Caledonia County	65 39.8 1763	28 21.3 912	41 18.5 851
Chittenden County	622 488.5 23233	200 149.0 6657	442 339.4 16577
Essex County	4 3.2 158	4 3.2 158	. . . .
Franklin County	94 62.4 2964	40 32.9 1507	55 29.5 1457
Grand Isle County	3 1.1 48	3 1.1 48	. . . .
Lamoille County	63 36.7 1774	24 17.9 894	42 18.8 880
Orange County	59 32.6 1470	23 13.8 614	40 18.9 856
Orleans County	56 36.7 1675	22 18.0 822	34 18.7 853
Rutland County	152 108.3 5336	51 40.8 2116	105 67.4 3219
Washington County	154 108.5 5050	59 49.8 2240	96 58.7 2810
Windham County	133 87.8 4072	62 42.0 1977	77 45.8 2096
Windsor County	169 97.8 4394	80 49.5 2235	98 48.4 2158

In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).

Table 13 -- VT Physicians, 2006  
 Numbers of Primary Care Physicians, Full Time Equivalents  
 (FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	655 503.6 23212	296 229.9 10502	189 129.7 6036	70 59.1 2980	115 84.9 3693
Addison County	43 30.3 1361	24 16.9 720	6 4.8 237	3 3.0 163	10 5.6 241
Bennington County	43 34.0 1672	23 17.9 892	10 7.0 341	6 4.9 257	5 4.2 182
Caledonia County	28 21.3 912	11 8.4 364	7 5.4 225	4 3.2 131	7 4.4 192
Chittenden County	200 149.0 6657	81 58.0 2486	64 42.5 1891	24 20.7 1058	35 27.8 1221
Essex County	4 3.2 158	2 1.7 84	2 1.0 48	. . . .	1 .5 26
Franklin County	40 32.9 1507	16 11.5 524	9 7.8 375	4 4.0 208	11 9.5 400
Grand Isle County	3 1.1 48	3 1.1 48	. . . .	. . . .	. . . .
Lamoille County	24 17.9 894	18 13.3 656	3 1.7 98	2 1.9 75	1 1.0 65
Orange County	23 13.8 614	8 4.9 222	6 2.8 126	3 2.4 96	8 3.7 171
Orleans County	22 18.0 822	8 7.1 321	9 5.6 233	2 2.0 100	4 3.4 168
Rutland County	51 40.8 2116	25 20.9 1048	14 10.4 604	7 4.1 227	7 5.5 238
Washington County	59 49.8 2240	32 25.3 1149	13 11.9 511	7 6.0 308	8 6.6 272
Windham County	62 42.0 1977	31 24.5 1156	17 7.9 390	4 3.7 192	10 5.9 239
Windsor County	80 49.5 2235	27 18.5 833	36 20.9 957	8 3.2 167	10 6.8 280

In this table physicians may be counted more than once (Note 4).  
 See Note 6 for description of OB/GYN classification.

Table 14 -- VT Physicians, 2006  
 Numbers of Specialty Care Physicians, Full Time Equivalents  
 (FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	ANESTHES- IOLOGY.	EMERGENCY MEDICINE	INTERNAL MEDICINE	NEUROLOGY	OPHTHALM- OLOGY	PSYCHIATRY
STATE TOTAL	973 736.0 34971	81 72.7 3462	103 73.1 3133	200 139.0 6765	39 27.9 1210	41 34.0 1535	175 126.2 5499
Addison County	46 19.2 847	1 1.0 45	9 5.6 227	11 1.7 98	2 .1 4	3 .9 37	4 2.2 90
Bennington County	78 52.6 2368	3 3.0 133	10 8.7 380	22 13.9 636	3 2.8 115	5 3.2 130	8 4.8 206
Caledonia County	41 18.5 851	2 .1 4	8 4.3 193	8 2.9 122	1 .5 22	2 2.0 111	5 1.1 46
Chittenden County	442 339.4 16577	40 37.4 1807	21 15.0 633	102 75.6 3785	23 15.4 651	18 14.8 704	71 48.8 2154
Essex County	.	.	.	.	.	.	.
Franklin County	55 29.5 1457	6 5.6 280	10 6.7 290	13 1.4 77	2 .3 15	2 1.2 48	4 3.4 146
Grand Isle County	.	.	.	.	.	.	.
Lamoille County	42 18.8 880	4 3.6 162	7 5.1 225	11 1.8 81	2 1.0 54	2 .5 18	5 1.5 66
Orange County	40 18.9 856	3 1.8 72	7 4.0 173	9 1.4 82	4 1.5 60	2 1.6 62	6 3.2 129
Orleans County	34 18.7 853	3 2.2 119	7 4.0 174	3 1.0 56	1 1.0 40	2 1.3 58	7 3.2 128
Rutland County	105 67.4 3219	3 3.0 158	14 8.4 337	29 18.3 888	2 1.8 80	6 2.9 126	12 7.2 312
Washington County	96 58.7 2810	8 6.9 324	12 8.0 363	14 8.1 352	3 2.3 117	4 2.4 96	27 15.7 703
Windham County	77 45.8 2096	4 3.1 131	8 1.7 74	12 4.7 217	1 1.0 45	2 1.4 54	26 19.9 908
Windsor County	98 48.4 2158	5 5.0 228	3 1.5 64	22 8.2 370	2 .2 7	2 2.0 91	30 15.2 613

(continued on next page)

Table 14 (continued) -- VT Physicians, 2006  
 Numbers of Specialty Care Physicians, Full Time Equivalents  
 (FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
STATE TOTAL	973 736.0 34971	52 42.8 2293	65 51.5 2575	41 33.8 1779	26 22.7 1281	170 112.3 5439
Addison County	46 19.2 847	2 2.0 90	3 2.1 100	. . . . .	2 .7 36	9 2.9 121
Bennington County	78 52.6 2368	7 5.4 295	6 3.9 157	1 1.0 40	3 2.0 88	10 4.0 187
Caledonia County	41 18.5 851	3 2.5 121	2 2.0 100	1 .4 16	2 .4 18	8 2.2 98
Chittenden County	442 339.4 16577	12 8.6 468	23 19.8 1039	30 27.6 1460	10 7.0 456	99 69.4 3418
Essex County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Franklin County	55 29.5 1457	2 2.0 135	3 2.7 124	1 1.0 60	6 1.7 124	7 3.5 158
Grand Isle County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Lamoille County	42 18.8 880	2 2.0 108	3 2.3 122	. . . . .	1 .2 10	6 .8 35
Orange County	40 18.9 856	3 2.1 91	2 1.3 80	. . . . .	2 1.2 47	3 .8 61
Orleans County	34 18.7 853	1 1.0 40	4 1.7 78	. . . . .	1 1.0 40	6 2.5 120
Rutland County	105 67.4 3219	5 4.5 285	7 5.1 242	4 2.3 102	1 1.0 54	24 12.9 636
Washington County	96 58.7 2810	5 4.7 258	6 3.1 203	3 .1 6	3 2.9 180	12 4.4 209
Windham County	77 45.8 2096	4 3.7 148	10 4.4 194	1 .1 10	2 2.0 120	10 3.9 193
Windsor County	98 48.4 2158	7 4.4 254	6 3.1 135	2 1.3 85	4 2.7 109	16 4.8 203

In this table physicians may be counted more than once (see Note 4).  
 Pathologists and radiologists are excluded from this table (see Note 3).

Table 15 -- VT Physicians, 2006  
 Primary Care Physicians: Ratio of Full Time Equivalent (FTEs)  
 to Population, by County

County	FTEs	Population	FTEs per 100,000 Population	Population per FTE
STATEWIDE TOTAL	503.65	623,908	80.72	1,239
Addison County	30.33	37,057	81.84	1,222
Bennington County	33.99	36,929	92.03	1,087
Caledonia County	21.34	30,842	69.19	1,445
Chittenden County	149.05	150,069	99.32	1,007
Essex County	3.25	6,567	49.49	2,021
Franklin County	32.85	48,187	68.17	1,467
Grand Isle County	1.13	7,751	14.59	6,856
Lamoille County	17.86	24,592	72.64	1,377
Orange County	13.77	29,440	46.79	2,137
Orleans County	17.99	27,718	64.92	1,540
Rutland County	40.84	63,641	64.17	1,558
Washington County	49.77	59,564	83.55	1,197
Windham County	42.01	43,898	95.70	1,045
Windsor County	49.47	57,653	85.80	1,165

Only primary care physicians are included in this table.

An FTE is defined as 40 (or more) hours/week, 48 weeks/year, of direct patient care in Vermont (excluding teaching, administration and research).

The FTEs are rounded to 2 digits for display only. The ratios were calculated using the unrounded values, then rounded in turn to 2 digits for display.

Population estimates are for July 2006, from the Census Bureau (see Note 4 and Note 7).

Table 16 -- VT Physicians, 2006  
Full Time Equivalentents (FTEs) by Practice Setting by Specialty

Care Setting	FTEs in Primary Care Specialty			
	Family	Internal Medicine	Ob/Gyn	Pediatric
TOTAL, all settings	229.9	129.7	59.1	84.9
Office, incl hosp	162.8	103.1	56.0	78.5
Office, w/o hosp	59.2	21.6	3.1	6.3
Hospital-based	.	.	.	.
Hospitalist	.	.	.	.
Student health ctr	2.8	.6	.	.1
Business/work site	1.0	.	.	.
Extended care	2.5	3.5	.	.
Other	1.5	.9	.	.

Care Setting	FTEs in Specialty					
	Anesthe- siology	Emergency Medicine	Internal Medicine	General Surgery	Orthop. Surgery	Other Surgery
TOTAL, all settings	72.7	73.1	139.0	42.8	51.5	33.8
Office, incl hosp	17.6	5.9	93.2	40.0	44.1	27.3
Office, w/o hosp	2.6	2.4	9.8	1.0	5.9	2.2
Hospital-based	52.5	64.9	14.9	1.7	1.4	4.3
Hospitalist	.	.	21.2	.1	.1	.
Student health ctr	.	.	.	.	.	.
Business/work site	.	<.05	.	.	.	.
Extended care	.1	.	.	.	.	.
Other	.	.	.	<.05	.	.

Care Setting	FTEs in Specialty	
	Psychology	Other Specialties
TOTAL, all settings	126.2	196.9
Office, incl hosp	23.1	136.6
Office, w/o hosp	72.1	35.7
Hospital-based	11.9	16.0
Hospitalist	12.9	6.8
Student health ctr	1.8	.2
Business/work site	.2	.9
Extended care	1.7	.
Other	2.5	.7

All worksites of each provider are counted in this table (Note 4).  
Pathologists and radiologists are excluded from this table (Note 3).  
See Table 18 for a similar tabulation by counts rather than FTEs.

Table 17 -- VT Physicians, 2006  
Detailed Specialty List

SPECIALTY GROUP Specialty	Number of Physicians	FTEs
--- PRIMARY CARE ---		
FAMILY PRACTICE		
Family Practice	262	206.4
General Practice	19	11.0
Geriatric Family Medicine	11	3.2
Osteopathic Medicine (general)	13	9.3
INTERNAL MEDICINE (PRIMARY)		
Adolescent Internal Medicine	1	.1
Geriatric Internal Medicine	9	2.7
Internal Medicine	187	127.0
OB/GYN		
Gynecology	12	7.4
Obstetrics	1	.2
Obstetrics & Gynecology	58	51.5
PEDIATRICS (PRIMARY)		
Adolescent Medicine (Pediatrics)	7	3.0
Pediatrics (general)	113	81.9
--- SPECIALTY CARE ---		
ANESTHESIOLOGY		
Anesthesiology	75	63.4
Critical Care Medicine (Anesthes.)	1	.2
Pain Management	15	8.8
Pain Medicine	2	.2
EMERGENCY MEDICINE		
Emergency Medicine	102	72.5
Emergency Medicine: Sports	1	.4
Pediatrics: Emergency Medicine	1	.2
INTERNAL MEDICINE (SPECIALTY)		
Cardiac Electrophysiology	5	3.5
Cardiovascular Disease	45	30.8
Critical Care Internal Medicine	9	6.8
Endocrinology Diabetes & Metabol.	12	7.1
Gastroenterology	22	17.9
Hematology (Internal Medicine)	11	4.1
Infectious Disease	11	6.5
Internal Medicine (subspecialty)	33	18.6
Interventional Cardiology	4	2.1
Medical Oncology	28	18.7
Nephrology	10	8.0
Pulmonary Disease	14	7.8
Rheumatology	12	7.3
NEUROLOGY		
Child Neurology	5	2.1
Clinical Neurophysiology	5	1.8
Neurology	33	23.8
Pain Medicine (psych/neuro)	1	.1

continued...

Table 17 -- VT Physicians, 2006  
Detailed Specialty List (continued)

SPECIALTY GROUP Specialty	Number of Physicians	FTEs
OPHTHALMOLOGY		
Ophthalmology	40	32.7
Pediatric Ophthalmology	2	1.2
PATHOLOGY		
Anatomic & Clinical Pathology	25	.
Anatomic Pathology	11	.
Blood Banking/Transfusion Medicine	3	.
Chemical Pathology	2	.
Clinical Pathology	1	.
Cytopathology	3	.
Dermatopathology (Pathology)	10	.
Forensic Pathology	1	.
Hematology (Pathology)	2	.
Neuropathology	1	.
Pathology	7	.
PSYCHIATRY		
Addiction Medicine	4	1.6
Addiction Psychiatry	5	1.4
Child & Adolescent Psychiatry	32	15.9
Forensic Psychiatry	6	1.8
Geriatric Psychiatry	6	2.1
Psychiatry	143	102.0
Psychiatry & Neurology	1	.2
Psychoanalysis	4	1.3
RADIOLOGY		
Diagnostic Radiology	54	.
Neuroradiology	4	.
Nuclear Radiology	5	.
Pediatric Radiology	2	.
Radiation Oncology	9	.
Radiology	38	.
Vascular/Interventional Radiology	6	.
SURGERY: GENERAL		
General Surgery	52	42.8
SURGERY: ORTHOPEDIC		
Adult Reconstructive Orthopedics	1	1.0
Hand Surgery (Orthopedic)	7	5.6
Orthopedic Surgery	48	33.7
Orthopedic Surgery Of The Spine	5	4.1
Orthopedic Surgery: Sports	6	4.1
Orthopedic Trauma	1	1.0
Pediatric Orthopedics	1	1.0
Traumatic Surgery	1	1.0

continued...

Table 17 -- VT Physicians, 2006  
Detailed Specialty List (continued)

SPECIALTY GROUP Specialty	Number of Physicians	FTEs
SURGERY: OTHER		
Abdominal Surgery	10	7.1
Cardiovascular Surgery	3	2.7
Colon & Rectal Surgery	2	1.5
General Vascular Surgery	7	5.9
Head & Neck Surgery	2	1.1
Neurological Surgery	8	6.6
Oral & Maxillofacial Surgery	4	3.0
Pediatric Surgery	2	2.0
Surgery Of The Hand	1	.9
Surgical Critical Care	4	2.6
Thoracic Surgery	1	.3
UROLOGY		
Urology	26	22.7
OTHER SPECIALTIES		
Acupuncture	3	.2
Aerospace Medicine	1	.0
Allergy	2	1.5
Allergy & Immunology	8	5.2
Children With Special Health Needs	2	.4
Clinical Cytogenetics	1	.9
Clinical Genetics	2	.8
Dermatological Immunology	1	.9
Dermatology	21	15.4
Dermatopathology (Dermatology)	3	.2
Develop-Behav Pediatrics	7	3.1
Family Medicine: Sports	7	3.7
Family Practice (subspecialty)	9	2.9
General Practice (in hospital)	1	1.0
Geriatric Medicine (subspecialty)	2	.1
Gynecologic Oncology	3	2.9
Hand Surgery (Plastic)	2	.3
Maternal & Fetal Medicine	7	6.0
Neonatal-perinatal Medicine	4	3.7
Neurodevelopmental Disabilities	1	.3
Nuclear Medicine	2	1.5
Ob/Gyn (subspecialty)	1	.1
Occupational Medicine	12	5.8
Otolaryngology	19	14.9
Pain Medicine (PM)	4	2.6
Pediatric Cardiology	4	1.5
Pediatric Critical Care Medicine	4	2.5
Pediatric Endocrinology	1	1.0
Pediatric Gastroenterology	2	1.4
Pediatric Hematology-oncology	3	2.1
Pediatric Infectious Disease	1	1.0
Pediatric Nephrology	1	.9
Pediatric Otolaryngology	1	1.0
Pediatric Pulmonology	2	1.1
Pediatric Rheumatology	1	.5
Pediatrics (subspecialty)	4	1.6
Physical Medicine & Rehabilitation	12	9.4
Plastic Surgery	7	5.2
Plastic Surgery within Head & Neck	1	.3
Preventive Medicine	2	.5
Reproductive Endocrinology	7	4.3
Sleep Medicine	7	2.8
Unlisted Specialty	2	.8

Note: FTEs not calculated for pathologists and radiologists (Note 3)



# Vermont Physician Practice Characteristics



Table 18 -- VT Physicians, 2006  
Practice Setting by Specialty

Care Setting	Number in Primary Care Specialty			
	Family	Internal Medicine	Ob/Gyn	Pediatric
TOTAL, all settings	291	174	67	108
Office, incl hosp	198	126	62	97
Office, w/o hosp	84	41	5	11
Hospital-based	.	.	.	.
Hospitalist	.	.	.	.
Student health ctr	3	1	.	.
Business/work site	1	.	.	.
Extended care	4	6	.	.
Other	1	.	.	.

Care Setting	Number in Specialty					
	Anesthe- siology	Emergency Medicine	Internal Medicine	General Surgery	Orthop. Surgery	Other Surgery
TOTAL, all settings	79	96	183	49	65	39
Office, incl hosp	18	5	119	42	49	30
Office, w/o hosp	2	5	19	2	15	4
Hospital-based	58	85	18	3	1	5
Hospitalist	.	.	27	1	.	.
Student health ctr	.	.	.	.	.	.
Business/work site	.	1	.	.	.	.
Extended care	.	.	.	.	.	.
Tele-radiology	.	.	.	.	.	.
Other	1	.	.	1	.	.

Care Setting	Number in Specialty			
	Psychology	Radiology	Pathology	Other Specialties
TOTAL, all settings	169	106	56	248
Office, incl hosp	28	13	7	161
Office, w/o hosp	103	10	1	55
Hospital-based	12	57	47	21
Hospitalist	15	.	.	6
Student health ctr	2	.	.	1
Business/work site	1	1	1	2
Extended care	5	.	.	.
Tele-radiology	.	23	.	.
Other	3	2	.	2

Each provider is counted once in this table, in their main specialty group, and, independently, in their main practice setting (see Note 8). See Table 16 for a similar tabulation by FTEs rather than counts.

Table 19 -- VT Physicians, 2006  
Practice Setting by Age

Care Setting	Total	Number in Age Group					
		<35	35-44	45-54	55-59	60-64	65+
TOTAL, all settings	1730 (100%)	79	456	647	256	162	122
Office, incl hosp	955 ( 55%)	41	266	362	138	91	53
Office, w/o hosp	357 ( 21%)	13	65	130	63	32	52
Hospital-based	307 ( 18%)	14	87	121	41	26	17
Hospitalist	49 ( 3%)	8	21	10	6	4	.
Student health center	7 ( 0%)	1	2	1	2	1	.
Business or work site	7 ( 0%)	.	1	5	.	1	.
Extended care	15 ( 1%)	.	2	5	2	6	.
Tele-radiology	23 ( 1%)	2	12	7	1	1	.
Other	10 ( 1%)	.	.	6	3	.	1

Each physician is counted once in this table, in their main practice setting. The 'Total' column includes 7 physicians with unknown ages. See Note 1 for a description of the calculation of age.

Table 20 -- VT Physicians, 2006  
Practice Setting by Gender

Care Setting	Total	Males		Females	
		Count	Percentage	Count	Percentage
TOTAL, all settings	1730	1234	(100%)	496	(100%)
Office, incl hosp	955	665	( 54%)	290	( 58%)
Office, w/o hosp	357	244	( 20%)	113	( 23%)
Hospital-based	307	249	( 20%)	58	( 12%)
Hospitalist	49	28	( 2%)	21	( 4%)
Student health center	7	5	( 0%)	2	( 0%)
Business or work site	7	7	( 1%)	0	( 0%)
Extended care	15	11	( 1%)	4	( 1%)
Tele-radiology	23	19	( 2%)	4	( 1%)
Other	10	6	( 0%)	4	( 1%)

Each physician is counted once in this table, in their main practice setting. Percentages are based on column totals.

Table 21 -- VT Physicians, 2006  
Average Patient Care Hours per Week,  
by Provider Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week					% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55-64	Age 65+	
ALL SPECIALTIES	1568	37	39	38	36	27	55%
PRIMARY CARE	640	37	35	38	38	31	52%
Family Practice	291	37	36	38	37	29	50%
Internal Medicine	174	36	33	36	39	34	52%
Ob/Gyn	67	45	41	53	42	46	76%
Pediatrics	108	33	33	36	35	16	43%
SPECIALTY CARE	928	37	42	38	35	25	57%
Anesthesiology	79	44	44	45	43	.	77%
Emergency Medicine	96	32	34	30	35	.	34%
Internal Medicine	183	37	40	38	32	32	56%
Neurology	37	33	37	34	34	18	49%
Ophthalmology	41	37	46	39	34	27	59%
Psychiatry	169	32	36	32	34	23	50%
Surgery: General	49	46	56	47	44	29	73%
Surgery: Orthopedic	65	40	42	44	37	17	62%
Surgery: Other	39	46	50	51	31	.	79%
Urology	26	49	51	53	40	.	77%
Other Specialties	144	37	41	38	32	25	56%

Averages based on less than 3 people are suppressed.

'Full Time' is defined as 40 (or more) hours/week, 48 weeks/year, of direct patient care in Vermont (excluding teaching, administration and research). (See Note 22).

'Total' & 'all ages' columns include 6 physicians with unknown ages.

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

Pathologists and radiologists are excluded from this table (Note 3).

Table 22 -- VT Physicians, 2006  
Average Patient Care Hours per Week,  
by Provider Gender, Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week					% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55-64	Age 65+	
<b>MALES:</b>							
ALL SPECIALTIES	1107	39	43	40	37	28	61%
PRIMARY CARE	380	39	39	42	39	31	63%
Family Practice	182	39	41	41	38	29	61%
Internal Medicine	114	39	37	41	40	35	62%
Ob/Gyn	36	43	43	51	41	46	75%
Pediatrics	48	37	37	44	39	16	60%
SPECIALTY CARE	727	38	44	39	35	26	60%
Anesthesiology	58	47	46	48	45	.	83%
Emergency Medicine	82	33	36	31	36	.	38%
Internal Medicine	144	38	47	39	31	32	59%
Neurology	29	33	40	32	36	18	52%
Ophthalmology	37	38	47	39	34	27	59%
Psychiatry	111	33	36	33	35	23	55%
Surgery: General	46	46	57	44	44	29	74%
Surgery: Orthopedic	60	39	42	43	37	17	58%
Surgery: Other	36	46	50	50	31	.	78%
Urology	23	50	54	53	40	.	74%
Other Specialties	101	37	42	40	31	25	57%
<b>FEMALES:</b>							
ALL SPECIALTIES	461	33	34	34	32	24	41%
PRIMARY CARE	260	33	32	34	32	.	36%
Family Practice	109	32	32	31	34	.	31%
Internal Medicine	60	29	30	27	32	.	32%
Ob/Gyn	31	47	40	55	48	.	77%
Pediatrics	60	31	31	33	25	.	28%
SPECIALTY CARE	201	34	36	35	31	22	48%
Anesthesiology	21	37	39	36	.	.	62%
Emergency Medicine	14	26	30	24	.	.	14%
Internal Medicine	39	33	32	34	40	.	44%
Neurology	8	32	32	37	.	.	38%
Ophthalmology	4	36	.	.	.	.	50%
Psychiatry	58	31	37	30	30	22	41%
Surgery: General	3	56	.	.	.	.	67%
Surgery: Orthopedic	5	50	.	53	.	.	100%
Surgery: Other	3	51	.	.	.	.	100%
Urology	3	44	44	.	.	.	100%
Other Specialties	43	36	38	35	32	.	51%

Averages based on less than 3 people are suppressed.  
'Full Time' is 40 (or more) hours of direct patient care per week in Vermont (see Note 22), excluding teaching, administration and research.  
'Total' & 'all ages' columns include 6 physicians with unknown ages.  
See Note 1 for a description of the calculation of age.  
Pathologists and radiologists are excluded from this table (Note 3).

Table 23 -- VT Physicians, 2006  
Average Patient Care Hours per Week, by Provider Age, by County

County	Total	Average Patient Care Hours per Week					% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55-64	Age 65+	
STATEWIDE TOTAL							
Primary Care	640	37	35	38	38	31	52%
Specialists	928	37	42	38	35	26	57%
Addison County							
Primary Care	42	33	37	30	36	27	43%
Specialists	25	36	41	33	35	.	44%
Bennington County							
Primary Care	41	41	41	39	53	35	59%
Specialists	71	33	41	31	34	13	44%
Caledonia County							
Primary Care	28	34	29	32	38	.	46%
Specialists	26	32	38	23	37	.	46%
Chittenden County							
Primary Care	185	36	35	38	36	19	48%
Specialists	411	41	46	42	36	30	65%
Essex County							
Primary Care	4	44	41	.	.	.	75%
Specialists	0	.	.	.	.	.	
Franklin County							
Primary Care	39	39	34	42	43	.	54%
Specialists	30	42	45	43	.	.	60%
Grand Isle County							
Primary Care	2	.	.	.	.	.	50%
Specialists	0	.	.	.	.	.	
Lamoille County							
Primary Care	23	40	38	42	36	.	48%
Specialists	21	40	35	43	46	.	76%
Orange County							
Primary Care	21	30	34	35	29	.	38%
Specialists	28	30	37	34	32	13	39%
Orleans County							
Primary Care	19	42	46	40	47	.	84%
Specialists	22	37	45	32	30	.	64%
Rutland County							
Primary Care	46	46	41	51	56	21	63%
Specialists	83	39	41	40	39	27	63%
Washington County							
Primary Care	55	41	35	41	44	.	71%
Specialists	72	38	41	35	40	40	56%
Windham County							
Primary Care	59	35	30	36	41	34	49%
Specialists	62	32	27	33	40	25	45%
Windsor County							
Primary Care	76	30	30	34	25	40	41%
Specialists	77	26	34	32	17	17	40%

Averages based on less than 3 people are suppressed.  
'Full Time' is 40 (or more) hours of direct patient care per week in Vermont, excluding teaching, administration and research (Note 22).  
Each physician is counted once in this table, in their main specialty group, and, independently, in their main county of practice (Note 2).  
See Note 1 for a description of the calculation of age.  
'Total' & 'all ages' columns include 6 physicians with unknown ages.  
Pathologists and radiologists are excluded from this table (Note 3).

Table 24 -- VT Physicians, 2006  
Plan to Retire, Leave, or Reduce Hours Within 5 Years

Specialty	Total Physicians	Plan to Retire or Leave VT (%)	Plan to Reduce Hours (%)
TOTAL	1730	12%	8%
PRIMARY CARE	640	11%	10%
Family Practice	291	10%	10%
Internal Medicine	174	11%	12%
Ob/Gyn	67	16%	12%
Pediatrics	108	13%	7%
SPECIALTY CARE	1090	12%	8%
Anesthesiology	79	19%	19%
Emergency Medicine	96	7%	7%
Internal Medicine	183	8%	6%
Neurology	37	6%	6%
Ophthalmology	41	18%	11%
Pathology	56	20%	2%
Psychiatry	169	10%	11%
Radiology	106	13%	4%
Surgery: General	49	23%	7%
Surgery: Orthopedic	65	20%	8%
Surgery: Other	39	8%	0%
Urology	26	8%	8%
Other Specialties	144	8%	5%

Physicians were asked if they plan to retire, or leave their Vermont practice, within the next 5 years, and, separately, whether they plan to reduce their patient care hours in Vermont within the next 5 years.

142 physicians (9%) answered 'yes' to both questions.

Physicians who indicated they planned to retire or leave Vermont were excluded from the numerator for the percentage planning to reduce hours.

Physicians who did not answer the question on retirement were excluded from calculation of the percentage planning to retire or leave Vermont. Physicians who did not answer the question on reducing hours were excluded from calculation of the percentage planning to reduce hours.

Table 25 -- VT Physicians, 2006  
Practice Availability by Specialty - Numbers

Specialty	Physicians	Accept New Patients	Participate in Medicaid	Accept New Medicaid Patients	Participate in Medicare	Accept New Medicare Patients
		(%)	(%)	(%)	(%)	(%)
TOTAL	1295	90%	93%	78%	93%	82%
PRIMARY CARE	626	82%	94%	68%	94%	72%
Family Practice	283	81%	93%	64%	94%	74%
Internal Medicine	168	67%	90%	42%	92%	58%
Ob/Gyn	67	100%	98%	98%	95%	97%
Pediatrics	108	98%	100%	96%	n.a.	n.a.
SPECIALTY CARE	669	97%	92%	89%	93%	91%
Anesthesiology	25	100%	100%	100%	100%	100%
Internal Medicine	149	96%	97%	94%	98%	94%
Neurology	32	97%	97%	97%	93%	93%
Ophthalmology	41	100%	100%	95%	100%	100%
Psychiatry	136	91%	84%	75%	82%	74%
Surgery: General	44	100%	98%	98%	98%	98%
Surgery: Orthopedic	65	98%	92%	93%	95%	97%
Surgery: Other	34	100%	100%	100%	100%	100%
Urology	24	100%	100%	100%	100%	100%
Other Specialties	119	98%	85%	79%	85%	85%

\* Pathologists, radiologists, and emergency medicine are excluded from this table. See Note 10 regarding tabulation of availability.

Only office settings are included (see Note 11).

Physicians 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 physician is counted once, in his or her main specialty. A physician is counted as accepting new patients if they accept new patients at any site, and as participating in Medicaid or Medicare if they participate at any site.

6 percent or less did not answer each question.  
Denominators for percentages do not include unknowns.

Table 26 -- VT Physicians, 2006  
Practice Availability by Specialty - FTEs

Specialty	FTEs	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)
TOTAL	1001.7	90%	80%	85%
PRIMARY CARE	494.2	82%	69%	75%
Family Practice	223.7	82%	67%	78%
Internal Medicine	127.6	65%	41%	58%
Ob/Gyn	59.7	100%	100%	98%
Pediatrics	83.2	97%	96%	n.a.
SPECIALTY CARE	507.5	98%	91%	93%
Anesthesiology	19.5	100%	100%	100%
Internal Medicine	102.1	99%	97%	98%
Neurology	24.1	100%	100%	100%
Ophthalmology	34.0	100%	96%	100%
Psychiatry	95.2	92%	76%	76%
Surgery: General	40.5	100%	97%	97%
Surgery: Orthopedic	50.0	100%	100%	100%
Surgery: Other	29.8	100%	100%	100%
Urology	20.5	100%	100%	100%
Other Specialties	91.7	99%	84%	88%

Only office settings are included.

Each site a physician practices in is counted, weighed by FTEs.

6 percent or less did not answer each question.  
Denominators for percentages do not include unknowns.

Pathologists, radiologists, and emergency medicine are excluded here.

See Note 10 regarding tabulation of availability.

Table 27 -- VT Physicians, 2006  
Practice Availability by County

County	Offices	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)
STATEWIDE TOTAL				
Primary Care	670	82%	68%	71%
Specialists	827	96%	88%	90%
Addison County				
Primary Care	45	82%	71%	73%
Specialists	31	97%	93%	96%
Bennington County				
Primary Care	43	81%	57%	76%
Specialists	61	97%	90%	93%
Caledonia County				
Primary Care	23	96%	87%	81%
Specialists	25	96%	92%	92%
Chittenden County				
Primary Care	205	76%	64%	66%
Specialists	342	96%	88%	89%
Essex County				
Primary Care	4	100%	100%	100%
Specialists	0			
Franklin County				
Primary Care	48	98%	75%	91%
Specialists	37	95%	92%	92%
Grand Isle County				
Primary Care	1	100%	100%	100%
Specialists	0			
Lamoille County				
Primary Care	23	78%	74%	73%
Specialists	30	97%	90%	93%
Orange County				
Primary Care	19	95%	95%	93%
Specialists	22	95%	91%	95%
Orleans County				
Primary Care	18	78%	67%	73%
Specialists	23	96%	87%	91%
Rutland County				
Primary Care	48	90%	77%	79%
Specialists	70	97%	87%	91%
Washington County				
Primary Care	58	66%	54%	54%
Specialists	59	97%	91%	91%
Windham County				
Primary Care	63	84%	68%	71%
Specialists	53	98%	96%	96%
Windsor County				
Primary Care	72	89%	66%	70%
Specialists	74	93%	69%	75%

Only office settings are included (see Note 11).  
Each site a physician practices in is counted separately.  
Pathologists, radiologists, and emergency medicine are excluded here.  
6 percent or less did not answer each question, cases missing data  
are excluded from the denominators for the percentages.  
See Note 10 regarding tabulation of availability.

Table 28 -- VT Physicians, 2006  
Main and Secondary Specialties

Specialty	Main Specialty		Secondary Specialty	
	Number	Percent	Number	Percent
TOTAL	1730	100%	99	100%
PRIMARY CARE	640	37%	29	29%
Family Practice	291	17%	5	5%
Internal Medicine	174	10%	14	14%
Ob/Gyn	67	4%	3	3%
Pediatrics	108	6%	7	7%
SPECIALTY CARE	1090	63%	70	71%
Anesthesiology	79	5%	3	3%
Emergency Medicine	96	6%	7	7%
Internal Medicine	183	11%	17	17%
Neurology	37	2%	2	2%
Ophthalmology	41	2%	0	0%
Pathology	56	3%	2	2%
Psychiatry	169	10%	6	6%
Radiology	106	6%	2	2%
Surgery: General	49	3%	3	3%
Surgery: Orthopedic	65	4%	0	0%
Surgery: Other	39	2%	2	2%
Urology	26	2%	0	0%
Other Specialties	144	8%	26	26%

For each specialty group, this table counts the number of active physicians who practice in the specialty as their main, or as a secondary (or tertiary, etc), specialty. Most physicians did not report a secondary specialty. The percentages are based on the TOTAL line.

# Distribution of Physicians by Health Related Geographical Regions:

Hospital Service Areas  
Area Health Education Centers  
Local Health Districts  
Rational Service Areas



Table 29 -- VT Physicians, 2006  
Age by Hospital Service Area

Hospital Service Area	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	1730	79	456	647	256	162	123	16%
Primary Care	640	37	178	227	97	62	36	15%
Specialists	1090	42	278	420	159	100	87	17%
Barre								
Primary Care	55	4	11	20	11	7	1	15%
Specialists	80	2	16	29	19	9	5	18%
Bennington								
Primary Care	44	3	10	20	7	1	3	9%
Specialists	77	6	22	24	12	7	6	17%
Brattleboro								
Primary Care	46	1	16	15	5	7	2	20%
Specialists	62	1	15	19	10	5	11	26%
Burlington								
Primary Care	195	18	57	72	28	13	6	10%
Specialists	480	16	127	197	58	48	31	17%
Middlebury								
Primary Care	41	1	11	14	3	8	4	29%
Specialists	26	2	5	15	1	1	2	12%
Morrisville								
Primary Care	22	0	5	8	5	3	1	18%
Specialists	43	4	14	15	4	3	3	14%
Newport								
Primary Care	21	1	6	8	4	1	1	10%
Specialists	25	1	10	9	3	2	0	8%
Randolph								
Primary Care	17	0	5	5	5	1	1	12%
Specialists	24	1	4	7	4	4	4	33%
Rutland								
Primary Care	46	1	16	16	6	3	3	13%
Specialists	97	5	24	39	14	5	10	15%
Springfield								
Primary Care	31	1	6	8	6	5	5	32%
Specialists	35	2	7	14	7	3	2	14%
St. Albans								
Primary Care	37	5	11	15	2	2	2	11%
Specialists	37	1	10	22	3	0	1	3%
St. Johnsbury								
Primary Care	26	0	5	10	4	5	2	27%
Specialists	27	0	9	8	4	3	3	22%
White River Jct								
Primary Care	59	2	19	16	11	6	5	19%
Specialists	76	1	15	22	19	10	9	25%

Hospital Service Areas defined using 1997-2001 inpatient data for immediate care conditions discharges - see appendices A and F.

Each physician is counted once in this table, in their main specialty group, and, independently, in their main service area (see Note 2).

The 'Total' column includes 7 physicians with unknown ages (see Note 1). The statewide total includes one physician with unknown HSA.

Table 30 -- VT Physicians, 2006  
 Numbers of Physicians, 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		1568 1239.6 58183	655 503.6 23212	973 736.0 34971
Barre		155 108.8 5064	60 50.1 2254	96 58.7 2810
Bennington		122 89.2 4141	46 36.6 1774	77 52.6 2366
Brattleboro		120 72.6 3406	52 31.1 1495	73 41.5 1911
Burlington		629 494.2 23484	208 154.8 6908	442 339.4 16577
Middlebury		85 49.4 2202	42 30.2 1355	46 19.2 847
Morrisville		61 37.3 1802	23 18.4 922	42 18.8 880
Newport		55 38.2 1747	21 19.5 894	34 18.7 853
Randolph		47 29.0 1298	17 12.5 542	32 16.5 756
Rutland		152 108.3 5336	51 40.8 2116	105 67.4 3219
Springfield		69 47.6 2260	33 26.9 1274	42 20.7 986
St. Albans		93 60.6 2871	39 31.0 1414	55 29.5 1457
St. Johnsbury		64 38.1 1702	26 19.6 852	41 18.5 851
White River Jct		132 66.5 2870	61 32.2 1412	76 34.4 1458

See Appendices A and F for the definition of Hospital Service Areas.

In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).

Table 31 -- VT Physicians, 2006  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Hospital Service Area

	Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	655 503.6 23212	296 229.9 10502	189 129.7 6036	70 59.1 2980	115 84.9 3693	
Barre	60 50.1 2254	32 25.3 1149	14 12.2 526	7 6.0 308	8 6.6 272	
Bennington	46 36.6 1774	26 20.4 995	10 7.0 341	6 4.9 257	5 4.2 182	
Brattleboro	52 31.1 1495	24 17.1 835	15 6.1 303	4 3.7 190	9 4.1 167	
Burlington	208 154.8 6908	88 62.2 2657	65 44.1 1972	24 20.7 1058	35 27.8 1221	
Middlebury	42 30.2 1355	23 16.7 714	6 4.8 237	3 3.0 163	10 5.6 241	
Morrisville	23 18.4 922	16 13.1 652	4 2.5 130	2 1.9 75	1 1.0 65	
Newport	21 19.5 894	7 7.0 319	9 6.6 281	2 2.0 100	5 3.9 194	
Randolph	17 12.5 542	6 4.8 208	5 2.7 122	3 2.4 96	5 2.7 117	
Rutland	51 40.8 2116	25 20.9 1048	14 10.4 604	7 4.1 227	7 5.5 238	
Springfield	33 26.9 1274	13 11.8 567	9 7.2 345	5 3.2 164	7 4.8 199	
St. Albans	39 31.0 1414	16 11.5 526	8 5.9 280	4 4.0 208	11 9.5 400	
St. Johnsbury	26 19.6 852	10 7.4 336	6 4.6 193	4 3.2 131	7 4.4 192	
White River Jct	61 32.2 1412	20 11.6 498	29 15.6 703	3 .1 4	9 4.9 207	

See Appendices A and F for the definition of Hospital Service Areas.

In this table physicians may be counted more than once (Note 4).  
 See Note 6 for description of OB/GYN classification.

Table 32 -- VT Physicians, 2006  
 Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Hospital Service Area

Count FTEs Hours	SPECIALTY CARE TOTAL	ANESTHES- IOLOGY	EMERGENCY MEDICINE	INTERNAL MEDICINE	NEUROLOGY	OPHTHALM- OLOGY	PSYCHIATRY
STATEWIDE TOTAL	973 736.0 34971	81 72.7 3462	103 73.1 3133	200 139.0 6765	39 27.9 1210	41 34.0 1535	175 126.2 5499
Barre	96 58.7 2810	8 6.9 324	12 8.0 363	14 8.1 352	3 2.3 117	4 2.4 96	27 15.7 703
Bennington	77 52.6 2366	3 3.0 133	10 8.7 380	22 13.9 636	3 2.8 115	5 3.2 130	8 4.8 206
Brattleboro	73 41.5 1911	4 3.1 131	7 1.6 73	12 4.7 217	1 1.0 45	2 1.4 54	23 15.7 726
Burlington	442 339.4 16577	40 37.4 1807	21 15.0 633	102 75.6 3785	23 15.4 651	18 14.8 704	71 48.8 2154
Middlebury	46 19.2 847	1 1.0 45	9 5.6 227	11 1.7 98	2 .1 4	3 .9 37	4 2.2 90
Morrisville	42 18.8 880	4 3.6 162	7 5.1 225	11 1.8 81	2 1.0 54	2 .5 18	5 1.5 66
Newport	34 18.7 853	3 2.2 119	7 4.0 174	3 1.0 56	1 1.0 40	2 1.3 58	7 3.2 128
Randolph	32 16.5 756	3 1.8 72	7 4.0 173	8 1.3 78	2 1.3 50	2 1.6 62	3 1.4 55
Rutland	105 67.4 3219	3 3.0 158	14 8.4 337	29 18.3 888	2 1.8 80	6 2.9 126	12 7.2 312
Springfield	42 20.7 986	3 3.0 121	2 1.2 52	7 1.7 70	1 .2 6	1 1.0 43	11 5.6 236
St. Albans	55 29.5 1457	6 5.6 280	10 6.7 290	13 1.4 77	2 .3 15	2 1.2 48	4 3.4 146
St. Johnsbury	41 18.5 851	2 .1 4	8 4.3 193	8 2.9 122	1 .5 22	2 2.0 111	5 1.1 46
White River Jct	76 34.4 1458	2 2.0 107	2 .3 13	16 6.7 304	3 .3 10	1 1.0 48	27 15.7 633

(continued on next page)

Table 32 (continued) -- VT Physicians, 2006  
 Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Hospital Service Area

Count FTEs Hours	SPECIALTY CARE TOTAL	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
STATEWIDE TOTAL	973 736.0 34971	52 42.8 2293	65 51.5 2575	41 33.8 1779	26 22.7 1281	170 112.3 5439
Barre	96 58.7 2810	5 4.7 258	6 3.1 203	3 .1 6	3 2.9 180	12 4.4 209
Bennington	77 52.6 2366	6 5.4 294	6 3.9 157	1 1.0 40	3 2.0 88	10 4.0 187
Brattleboro	73 41.5 1911	4 3.7 148	10 4.4 194	1 .1 10	2 2.0 120	10 3.9 192
Burlington	442 339.4 16577	12 8.6 468	23 19.8 1039	30 27.6 1460	10 7.0 456	99 69.4 3418
Middlebury	46 19.2 847	2 2.0 90	3 2.1 100	. . . .	2 .7 36	9 2.9 121
Morrisville	42 18.8 880	2 2.0 108	3 2.3 122	. . . .	1 .2 10	6 .8 35
Newport	34 18.7 853	1 1.0 40	4 1.7 78	. . . .	1 1.0 40	6 2.5 120
Randolph	32 16.5 756	2 2.0 88	2 1.3 80	. . . .	2 1.2 47	2 .7 51
Rutland	105 67.4 3219	5 4.5 285	7 5.1 242	4 2.3 102	1 1.0 54	24 12.9 636
Springfield	42 20.7 986	5 3.1 204	3 1.8 80	2 .9 70	1 1.0 41	8 1.3 62
St. Albans	55 29.5 1457	2 2.0 135	3 2.7 124	1 1.0 60	6 1.7 124	7 3.5 158
St. Johnsbury	41 18.5 851	3 2.5 121	2 2.0 100	1 .4 16	2 .4 18	8 2.2 98
White River Jct	76 34.4 1458	4 1.4 54	5 1.3 55	1 .4 15	3 1.7 68	12 3.7 151

See Appendices A and F for the definition of Hospital Service Areas.

In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).

Table 33 -- VT Physicians, 2006  
 Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)  
 to Population, by Hospital Service Area

HSA	FTEs	Population	FTEs per 100,000 Population	Population per FTE
STATEWIDE TOTAL	503.65	623,908	80.72	1,239
Barre	50.09	67,090	74.67	1,339
Bennington	36.55	40,604	90.02	1,111
Brattleboro	31.07	31,832	97.62	1,024
Burlington	154.80	169,401	91.38	1,094
Middlebury	30.16	28,497	105.84	945
Morrisville	18.43	26,845	68.66	1,456
Newport	19.47	28,989	67.18	1,489
Randolph	12.54	14,704	85.29	1,172
Rutland	40.84	64,466	63.35	1,579
Springfield	26.89	28,700	93.70	1,067
St. Albans	31.01	45,393	68.31	1,464
St. Johnsbury	19.60	27,870	70.32	1,422
White River Jct	32.18	49,517	64.99	1,539

Only primary care physicians are included in this table.  
 An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
 The FTEs are rounded to 2 digits for display only.  
 The ratios were calculated using the unrounded values,  
 then rounded in turn to 2 digits for display.

See Appendices A and F for the definition of Hospital Service Areas.

Population estimates are for July 2006, from the Census Bureau  
 (see Note 4 and Note 7).

Table 34 -- VT Physicians, 2006  
Age by Area Health Education Center (AHEC) Region

AHEC Region	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	1730	79	456	647	256	162	123	16%
Primary Care	640	37	178	227	97	62	36	15%
Specialists	1090	42	278	420	159	100	87	17%
Champlain Valley								
Primary Care	268	24	78	100	33	20	12	12%
Specialists	559	21	150	240	62	50	33	15%
Northeast VT								
Primary Care	150	5	35	53	29	20	7	18%
Specialists	188	6	46	62	36	21	17	20%
Southern VT								
Primary Care	222	8	65	74	35	22	17	18%
Specialists	342	15	82	118	60	29	37	19%

Each physician is counted once in this table, in their main specialty group, and, independently, in their main region of practice (Note 2).

The 'Total' column includes 7 physicians with unknown ages (Note 1).  
The statewide total includes one physician with unknown AHEC region.

AHEC Regions are groups of Counties - see Appendices A and E.

Table 35 -- VT Physicians, 2006  
 Numbers of Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours,  
 by Area Health Education Center (AHEC) region

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		1568 1239.6 58183	655 503.6 23212	973 736.0 34971
Champlain Valley		755 601.6 28454	283 213.4 9573	496 388.2 18880
Northeast VT		368 257.6 11889	154 124.0 5639	227 133.6 6250
Southern VT		544 380.5 17841	228 166.3 8000	337 214.2 9841

In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).  
 AHEC Regions are groups of Counties - see Appendices A and E.

Table 36 -- VT Physicians, 2006  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours,  
 by Area Health Education Center (AHEC) Region

	Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL		655 503.6 23212	296 229.9 10502	189 129.7 6036	70 59.1 2980	115 84.9 3693
Champlain Valley		283 213.4 9573	122 87.5 3778	79 55.2 2504	31 27.7 1429	55 43.0 1862
Northeast VT		154 124.0 5639	75 60.6 2795	38 28.4 1241	18 15.5 709	29 19.5 894
Southern VT		228 166.3 8000	105 81.8 3929	73 46.2 2291	24 16.0 842	31 22.4 938

In this table physicians may be counted more than once (Note 4).  
 See Note 6 for description of OB/GYN classification.  
 AHEC Regions are groups of Counties - see Appendices A and E.

Table 37 -- VT Physicians, 2006  
 Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours,  
 by Area Health Education Center (AHEC) Region

Count FTEs Hours	SPECIALTY	ANESTHES- IOLOGY.	EMERGENCY MEDICINE	INTERNAL MEDICINE	NEUROLOGY	OPHTHALM- OLOGY	PSYCHIATRY
	CARE TOTAL						
STATEWIDE TOTAL	973	81	103	200	39	41	175
	736.0	72.7	73.1	139.0	27.9	34.0	126.2
	34971	3462	3133	6765	1210	1535	5499
Champlain Valley	496	47	40	106	24	19	75
	388.2	44.1	27.3	78.7	15.9	16.9	54.4
	18880	2132	1150	3960	670	789	2390
Northeast VT	227	19	36	40	11	11	44
	133.6	14.6	25.5	15.3	6.3	7.6	24.7
	6250	681	1128	694	293	345	1071
Southern VT	337	15	33	81	8	15	72
	214.2	14.1	20.3	45.1	5.7	9.4	47.1
	9841	649	855	2111	247	402	2039

Count FTEs Hours	SPECIALTY	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
	CARE TOTAL					
STATEWIDE TOTAL	973	52	65	41	26	170
	736.0	42.8	51.5	33.8	22.7	112.3
	34971	2293	2575	1779	1281	5439
Champlain Valley	496	16	29	31	10	108
	388.2	12.6	24.6	28.6	9.4	75.8
	18880	693	1264	1520	616	3697
Northeast VT	227	13	13	4	8	31
	133.6	12.2	10.5	.5	5.6	10.8
	6250	618	583	21	295	523
Southern VT	337	23	27	8	10	52
	214.2	18.0	16.5	4.7	7.7	25.7
	9841	982	729	237	371	1219

In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).  
 AHEC Regions are groups of Counties - see Appendices A and E.

Table 38 -- VT Physicians, 2006  
 Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)  
 to Population, by Area Health Education Center (AHEC) Region

AHEC region	FTEs	Population	FTEs per 100,000 Population	Population per FTE
STATEWIDE TOTAL	503.65	623,908	80.72	1,239
Champlain Valley	213.36	243,064	87.78	1,139
Northeast VT	123.99	178,723	69.37	1,441
Southern VT	166.30	202,121	82.28	1,215

Only primary care physicians are included in this table.

An FTE is defined as 40 (or more) hours/week, 48 weeks/year, of direct patient care in Vermont (excluding teaching, administration and research).

The FTEs are rounded to 2 digits for display only. The ratios were calculated using the unrounded values, then rounded in turn to 2 digits for display.

Population estimates are for July 2006, from the Census Bureau (see Note 4 and Note 7).

AHEC Regions are groups of Counties - see Appendices A and E.

Table 39 -- VT Physicians, 2006  
Age by Local Health District

Local Health District	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	1730	79	456	647	256	162	123	17%
Primary Care	640	37	178	227	97	62	36	15%
Specialists	1090	42	278	420	159	100	87	17%
Barre								
Primary Care	55	4	11	20	11	7	1	15%
Specialists	77	2	16	26	19	9	5	18%
Bennington								
Primary Care	41	2	9	20	6	1	3	10%
Specialists	78	6	22	24	13	7	6	17%
Brattleboro								
Primary Care	49	2	17	15	6	7	2	18%
Specialists	62	1	15	19	10	5	11	26%
Burlington								
Primary Care	185	17	56	70	27	9	5	8%
Specialists	481	16	127	198	58	48	31	17%
Middlebury								
Primary Care	42	1	11	14	3	8	5	31%
Specialists	26	2	5	15	1	1	2	12%
Morrisville								
Primary Care	27	0	6	9	5	6	1	26%
Specialists	22	2	4	7	4	2	3	23%
Newport								
Primary Care	21	1	6	8	4	1	1	10%
Specialists	26	1	10	10	3	2	0	8%
Rutland								
Primary Care	46	1	16	16	6	3	3	13%
Specialists	97	5	24	39	14	5	10	15%
Springfield								
Primary Care	47	2	13	12	8	6	6	26%
Specialists	63	2	9	22	17	8	5	21%
St. Johnsbury								
Primary Care	29	0	7	11	4	5	2	24%
Specialists	30	1	9	10	4	3	3	20%
St. Albans								
Primary Care	41	6	11	16	3	3	2	12%
Specialists	54	2	20	27	3	1	1	4%
Wht Rvr Jct								
Primary Care	57	1	15	16	14	6	5	19%
Specialists	73	2	17	23	12	9	10	26%

Each physician is counted once in this table, in their main specialty group, and, independently, in their main district (see Note 2).

The 'Total' column includes 7 physicians with unknown ages (see Note 1). The statewide total includes one physician with unknown district.

See Appendices A and G for definition of the Local Health Districts.

Table 40 -- VT Physicians, 2006  
 Numbers of Physicians, 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		1568 1239.6 58183	655 503.6 23212	973 736.0 34971
Barre		154 108.5 5050	59 49.8 2240	96 58.7 2810
Bennington		120 86.6 4039	43 34.0 1672	78 52.6 2368
Brattleboro		123 75.1 3508	55 33.6 1597	73 41.5 1911
Burlington		622 488.5 23233	200 149.0 6657	442 339.4 16577
Middlebury		86 49.6 2208	43 30.3 1361	46 19.2 847
Morrisville		66 40.2 1920	28 21.4 1040	42 18.8 880
Newport		55 38.2 1747	21 19.5 894	34 18.7 853
Rutland		152 108.3 5336	51 40.8 2116	105 67.4 3219
Springfield		103 67.3 3140	49 38.6 1819	62 28.8 1322
St Johnsbury		67 39.7 1779	29 21.3 929	41 18.5 851
St. Albans		96 63.5 3012	42 34.0 1555	55 29.5 1457
Wht Rvr Jct		136 74.1 3210	60 31.4 1333	81 42.7 1877

In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).  
 See Appendices A and G for definition of the Local Health Districts.

Table 41 -- VT Physicians, 2006  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Local Health District

Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	655 503.6 23212	296 229.9 10502	189 129.7 6036	70 59.1 2980	115 84.9 3693
Barre	59 49.8 2240	32 25.3 1149	13 11.9 511	7 6.0 308	8 6.6 272
Bennington	43 34.0 1672	23 17.9 892	10 7.0 341	6 4.9 257	5 4.2 182
Brattleboro	55 33.6 1597	27 19.7 938	15 6.1 303	4 3.7 190	9 4.1 167
Burlington	200 149.0 6657	81 58.0 2486	64 42.5 1891	24 20.7 1058	35 27.8 1221
Middlebury	43 30.3 1361	24 16.9 720	6 4.8 237	3 3.0 163	10 5.6 241
Morrisville	28 21.4 1040	21 16.0 770	4 2.5 130	2 1.9 75	1 1.0 65
Newport	21 19.5 894	7 7.0 319	9 6.6 281	2 2.0 100	5 3.9 194
Rutland	51 40.8 2116	25 20.9 1048	14 10.4 604	7 4.1 227	7 5.5 238
Springfield	49 38.6 1819	14 12.8 617	18 15.5 745	7 3.2 167	11 7.0 290
St Johnsbury	29 21.3 929	12 9.1 413	7 4.6 193	4 3.2 131	7 4.4 192
St. Albans	42 34.0 1555	18 12.6 572	9 7.8 375	4 4.0 208	11 9.5 400
Wht Rvr Jct	60 31.4 1333	23 13.7 579	25 10.0 424	4 2.4 97	10 5.3 233

In this table physicians may be counted more than once (Note 4).  
 See Note 6 for description of OB/GYN classification.  
 See Appendices A and G for definition of the Local Health Districts.

Table 42 -- VT Physicians, 2006  
 Numbers of Specialty Care Physicians, Full Time Equivalent (FTEs),  
 and Total Weekly Patient Care Hours, by Local Health District

Count FTEs Hours	SPECIALTY CARE TOTAL	ANESTHES- IOLOGY	EMERGENCY MEDICINE	INTERNAL MEDICINE	NEUROLOGY	OPHTHALM- OLOGY	PSYCHIATRY
STATEWIDE TOTAL	973 736.0 34971	81 72.7 3462	103 73.1 3133	200 139.0 6765	39 27.9 1210	41 34.0 1535	175 126.2 5499
Barre	96 58.7 2810	8 6.9 324	12 8.0 363	14 8.1 352	3 2.3 117	4 2.4 96	27 15.7 703
Bennington	78 52.6 2368	3 3.0 133	10 8.7 380	22 13.9 636	3 2.8 115	5 3.2 130	8 4.8 206
Brattleboro	73 41.5 1911	4 3.1 131	7 1.6 73	12 4.7 217	1 1.0 45	2 1.4 54	23 15.7 726
Burlington	442 339.4 16577	40 37.4 1807	21 15.0 633	102 75.6 3785	23 15.4 651	18 14.8 704	71 48.8 2154
Middlebury	46 19.2 847	1 1.0 45	9 5.6 227	11 1.7 98	2 .1 4	3 .9 37	4 2.2 90
Morrisville	42 18.8 880	4 3.6 162	7 5.1 225	11 1.8 81	2 1.0 54	2 .5 18	5 1.5 66
Newport	34 18.7 853	3 2.2 119	7 4.0 174	3 1.0 56	1 1.0 40	2 1.3 58	7 3.2 128
Rutland	105 67.4 3219	3 3.0 158	14 8.4 337	29 18.3 888	2 1.8 80	6 2.9 126	12 7.2 312
Springfield	62 28.8 1322	3 3.0 121	3 1.5 65	12 3.1 130	2 .2 7	2 2.0 91	13 6.7 281
St Johnsbury	41 18.5 851	2 .1 4	8 4.3 193	8 2.9 122	1 .5 22	2 2.0 111	5 1.1 46
St. Albans	55 29.5 1457	6 5.6 280	10 6.7 290	13 1.4 77	2 .3 15	2 1.2 48	4 3.4 146
Wht Rvr Jct	81 42.7 1877	5 3.8 179	7 4.0 173	19 6.6 322	4 1.5 60	2 1.6 62	26 15.9 643

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Table 42 (continued) -- VT Physicians, 2006  
 Numbers of Specialty Care Physicians, Full Time Equivalent (FTEs),  
 and Total Weekly Patient Care Hours, by Local Health District

Count FTEs Hours	SPECIALTY CARE					
	TOTAL	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
STATEWIDE TOTAL	973 736.0 34971	52 42.8 2293	65 51.5 2575	41 33.8 1779	26 22.7 1281	170 112.3 5439
Barre	96 58.7 2810	5 4.7 258	6 3.1 203	3 .1 6	3 2.9 180	12 4.4 209
Bennington	78 52.6 2368	7 5.4 295	6 3.9 157	1 1.0 40	3 2.0 88	10 4.0 187
Brattleboro	73 41.5 1911	4 3.7 148	10 4.4 194	1 .1 10	2 2.0 120	10 3.9 192
Burlington	442 339.4 16577	12 8.6 468	23 19.8 1039	30 27.6 1460	10 7.0 456	99 69.4 3418
Middlebury	46 19.2 847	2 2.0 90	3 2.1 100	. . . . .	2 .7 36	9 2.9 121
Morrisville	42 18.8 880	2 2.0 108	3 2.3 122	. . . . .	1 .2 10	6 .8 35
Newport	34 18.7 853	1 1.0 40	4 1.7 78	. . . . .	1 1.0 40	6 2.5 120
Rutland	105 67.4 3219	5 4.5 285	7 5.1 242	4 2.3 102	1 1.0 54	24 12.9 636
Springfield	62 28.8 1322	6 3.4 214	5 2.5 107	3 1.3 85	2 1.1 45	13 4.1 174
St. Johnsbury	41 18.5 851	3 2.5 121	2 2.0 100	1 .4 16	2 .4 18	8 2.2 98
St. Albans	55 29.5 1457	2 2.0 135	3 2.7 124	1 1.0 60	6 1.7 124	7 3.5 158
Wht Rvr Jct	81 42.7 1877	4 3.1 131	3 2.0 108	. . . . .	3 2.8 111	9 1.5 90

In this table physicians may be counted more than once (see Note 4).  
 Pathologists and radiologists are excluded from this table (see Note 3).  
 See Appendices A and G for definition of the Local Health Districts.

Table 43 -- VT Physicians, 2006  
 Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)  
 to Population, by Local Health District

District	FTEs	Population	FTEs per 100,000 Population	Population per FTE
STATEWIDE TOTAL	503.65	623,908	80.72	1,239
Barre	49.77	66,633	74.69	1,339
Bennington	33.99	36,929	92.03	1,087
Brattleboro	33.64	36,066	93.27	1,072
Burlington	149.05	150,057	99.33	1,007
Middlebury	30.33	36,846	82.31	1,215
Morrisville	21.37	30,796	69.41	1,441
Newport	19.47	28,989	67.18	1,489
Rutland	40.84	63,864	63.94	1,564
Springfield	38.55	34,247	112.57	888
St Johnsbury	21.27	34,116	62.36	1,604
St. Albans	33.98	55,938	60.75	1,646
White River Jct	31.39	49,427	63.50	1,575

Only primary care physicians are included in this table.

An FTE is defined as 40 (or more) hours/week, 48 weeks/year, of direct patient care in Vermont (excluding teaching, administration and research).

The FTEs are rounded to 2 digits for display only. The ratios were calculated using the unrounded values, then rounded in turn to 2 digits for display.

Population estimates are for July 2006, from the Census Bureau (see Note 4 and Note 7).

See Appendices A and G for definition of the Local Health Districts.

Table 44 -- VT Physicians, 2006  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Ratio to Population, by Rational Service Area

Count of physicians providing any primary care within each area:

	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	655	296	189	70	115
Arlington	1	1	.	.	.
Bennington	35	19	7	5	4
Bradford	9	4	2	.	3
Brandon	5	4	1	.	.
Brattleboro	36	13	11	4	8
Brighton	2	.	2	.	1
Bristol	6	3	2	.	1
Burlington	145	50	52	18	28
Cambridge	5	5	.	.	.
Castleton	7	6	1	.	1
Chelsea / Corinth	3	1	2	.	1
Enosburg	8	4	1	1	2
Essex/Williston	55	20	14	10	11
Hardwick	4	3	1	.	.
Hartford	30	12	17	1	.
Londonderry	3	2	1	.	.
Ludlow	2	2	.	.	.
Manchester	8	4	3	1	1
Middlebury	34	17	5	3	9
Milton / South Hero	25	20	3	.	2
Montpelier/Barre/Berlin	51	24	13	7	8
Morristown	14	9	2	2	1
Newport	21	7	9	2	4
Pawlet	4	2	1	1	1
Randolph	15	5	3	3	5
Rockingham	9	3	1	1	4
Rutland	36	13	11	7	5
Springfield	21	6	8	4	4
St Albans	29	9	7	4	9
St Johnsbury	26	10	6	4	7
Stowe	7	6	1	.	.
Townshend	15	10	4	.	1
Vergennes	9	7	.	.	2
Waitsfield	2	2	.	.	.
Waterbury	6	6	.	.	.
Wilmington	3	3	.	.	.
Windsor	16	1	9	2	4
Woodstock	5	2	2	.	1

Note: In this table physicians may be counted in more than one area (Note 4).

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Table 44 (continued) -- VT Physicians, 2006  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Ratio to Population, by Rational Service Area

Sums of FTEs within each area:

	PRIMARY	FTEs by Primary Care Type			
	CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	503.6	229.9	129.7	59.1	84.9
Arlington	.9	.9	.	.	.
Bennington	28.1	14.5	4.7	4.9	4.0
Bradford	4.9	2.9	.9	.	1.1
Brandon	4.4	3.6	.8	.	.
Brattleboro	24.1	10.5	6.0	3.7	3.9
Brighton	1.5	.	1.0	.	.5
Bristol	3.3	1.8	1.4	.	.1
Burlington	100.4	34.9	33.7	13.1	18.6
Cambridge	2.9	2.9	.	.	.
Castleton	6.0	5.0	.5	.	.5
Chelsea / Corinth	1.1	.1	.5	.	.5
Enosburg	4.8	2.7	.3	.1	1.8
Essex/Williston	41.9	17.1	8.8	7.5	8.4
Hardwick	3.5	2.7	.8	.	.
Hartford	11.4	6.1	5.2	<.05	.
Londonderry	3.0	2.0	1.0	.	.
Ludlow	1.3	1.3	.	.	.
Manchester	5.0	2.5	2.3	<.05	.2
Middlebury	21.8	10.1	3.5	3.0	5.2
Milton / South Hero	14.2	9.7	2.7	.	1.8
Montpelier/Barre/Berlin	44.1	19.6	11.9	6.0	6.6
Morristown	11.0	6.7	1.4	1.9	1.0
Newport	17.9	7.0	5.6	2.0	3.4
Pawlet	2.2	1.3	.5	<.05	.5
Randolph	12.2	4.7	2.2	2.4	2.9
Rockingham	5.4	2.8	.8	<.05	1.8
Rutland	28.2	11.0	8.6	4.1	4.5
Springfield	17.2	5.7	5.4	3.1	3.0
St Albans	21.7	6.2	4.8	3.9	6.8
St Johnsbury	19.6	7.4	4.6	3.2	4.4
Stowe	3.9	3.6	.3	.	.
Townshend	7.0	6.6	.1	.	.3
Vergennes	5.2	5.0	.	.	.3
Waitsfield	2.0	2.0	.	.	.
Waterbury	3.7	3.7	.	.	.
Wilmington	2.6	2.6	.	.	.
Windsor	11.7	1.0	8.3	.1	2.3
Woodstock	3.2	1.3	1.1	.	.8

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Table 44 (continued) -- VT Physicians, 2006  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Ratio to Population, by Rational Service Area

Ratios of FTEs to population:

	PRIMARY CARE FTEs	Population	FTEs per 100,000 Population	Population per FTE
STATEWIDE TOTAL	503.6	623,908	80.7	1,239
Arlington	.9	3,703	24.6	4,073
Bennington	28.1	22,999	122.2	818
Bradford	4.9	6,677	73.3	1,364
Brandon	4.4	4,755	93.5	1,070
Brattleboro	24.1	22,203	108.4	923
Brighton	1.5	3,565	42.9	2,328
Bristol	3.3	9,044	36.9	2,711
Burlington	100.4	89,622	112.0	892
Cambridge	2.9	4,425	66.5	1,504
Castleton	6.0	13,027	46.3	2,160
Chelsea / Corinth	1.1	6,971	15.9	6,290
Enosburg	4.8	10,512	45.6	2,191
Essex/Williston	41.9	50,088	83.7	1,195
Hardwick	3.5	6,980	50.3	1,988
Hartford	11.4	12,195	93.5	1,070
Londonderry	3.0	3,001	99.8	1,002
Ludlow	1.3	5,928	22.1	4,527
Manchester	5.0	7,451	66.8	1,497
Middlebury	21.8	19,042	114.4	874
Milton / South Hero	14.2	24,105	59.0	1,694
Montpelier/Barre/Berlin	44.1	50,535	87.2	1,146
Morristown	11.0	17,437	63.2	1,582
Newport	17.9	23,103	77.7	1,288
Pawlet	2.2	3,259	67.2	1,487
Randolph	12.2	15,139	80.5	1,243
Rockingham	5.4	8,935	60.4	1,656
Rutland	28.2	42,108	66.9	1,495
Springfield	17.2	15,547	110.7	903
St Albans	21.7	30,371	71.3	1,402
St Johnsbury	19.6	28,303	69.2	1,444
Stowe	3.9	4,763	81.9	1,221
Townshend	7.0	5,954	117.4	852
Vergennes	5.2	8,096	64.3	1,554
Waitsfield	2.0	6,434	31.1	3,217
Waterbury	3.7	6,582	55.9	1,789
Wilmington	2.6	5,900	43.5	2,299
Windsor	11.7	8,641	134.9	741
Woodstock	3.2	6,075	53.4	1,873

An FTE is defined as 40 (or more) hours/week, 48 weeks/year, of direct patient care in Vermont (excluding teaching, administration and research). The FTEs are rounded to 1 digit for display only. The ratios were calculated using the unrounded values, then rounded for display. Population estimates are for July 2006, from the Census Bureau (see Note 4 and Note 7).

Rational Service Areas are groups of towns whose residents typically receive primary care services within each area - see Appendices A and H.



# Detailed Comparison Between 2004 and 2006



Table 45 -- VT Physicians, 2004 and 2006  
 Changes in Number of Physicians, Patient Care Hours  
 and Specialties, between 2004 and 2006

	2004	2006	Change	
TOTAL	1612	1730	+118	+7%
Medical Doctor (MD)	1569	1680	+111	+7%
Doctor of Osteopathy (DO)	43	50	+7	+16%
Main specialty:				
Primary Care Total	634	640	+6	+1%
Family Practice	280	291	+11	+4%
Primary Care Internal Medicine	177	174	-3	-2%
Obstetrics and Gynecology	70	67	-3	-4%
Pediatric Primary Care	107	108	+1	+1%
Specialty Care Total	978	1090	+112	+11%
Anesthesiology	78	79	+1	+1%
Emergency Medicine	84	96	+12	+14%
Internal Medicine Specialties	157	183	+26	+17%
Neurology	35	37	+2	+6%
Ophthalmology	46	41	-5	-11%
Pathology	47	56	+9	+19%
Psychiatry	160	169	+9	+6%
Radiology	71	106	+35	+49%
Surgery: General	46	49	+3	+7%
Surgery: Orthopedic	57	65	+8	+14%
Surgery: Other	36	39	+3	+8%
Urology	27	26	-1	-4%
Other Specialties	134	144	+10	+7%
Age groups:				
less than 35	75	79	+4	+5%
35 - 44	471	456	-15	-3%
45 - 54	615	647	+32	+5%
55 - 59	212	256	+44	+21%
60 - 64	148	162	+14	+9%
65 and up	89	122	+33	+37%
unknown	3	8		
Gender:				
Male	1148	1234	+86	+7%
Female	461	496	+35	+8%
Patient care hours: *				
40 or more hours/week	721	863	+142	+20%
30 to 39 hours/week	275	246	-29	-11%
less than 30 hours/week	496	459	-37	-7%

\* excluding pathologists and radiologists

Table 46 -- VT Physicians, 2004 vs. 2006  
 Numbers of Physicians, Full Time Equivalents (FTEs), and Total  
 Weekly Patient Care Hours, by County, in 2004 and in 2006

	2004			2006		
	Count FTEs Hours	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATE TOTAL	1496 1134.8 52168	661 478.7 21498	926 656.1 30670	1568 1239.6 58183	655 503.6 23212	973 736.0 34971
Addison County	86 45.3 1954	46 29.1 1228	42 16.2 726	86 49.6 2208	43 30.3 1361	46 19.2 847
Bennington County	129 87.4 3930	49 35.1 1570	85 52.3 2360	120 86.6 4039	43 34.0 1672	78 52.6 2368
Caledonia County	67 35.6 1586	28 19.9 857	42 15.6 730	65 39.8 1763	28 21.3 912	41 18.5 851
Chittenden County	586 431.9 20065	201 137.4 6049	418 294.5 14015	622 488.5 23233	200 149.0 6657	442 339.4 16577
Essex County	2 1.4 58	2 1.4 58	. . . .	4 3.2 158	4 3.2 158	. . . .
Franklin County	89 55.4 2560	39 29.9 1368	54 25.5 1192	94 62.4 2964	40 32.9 1507	55 29.5 1457
Grand Isle County	2 .9 36	2 .9 36	. . . .	3 1.1 48	3 1.1 48	. . . .
Lamoille County	67 35.6 1648	26 18.4 864	46 17.3 784	63 36.7 1774	24 17.9 894	42 18.8 880
Orange County	57 34.0 1524	24 18.0 787	36 16.1 738	59 32.6 1470	23 13.8 614	40 18.9 856
Orleans County	50 34.5 1560	26 19.4 887	28 15.2 674	56 36.7 1675	22 18.0 822	34 18.7 853
Rutland County	151 101.2 4744	55 40.3 1888	104 61.0 2856	152 108.3 5336	51 40.8 2116	105 67.4 3219
Washington County	133 102.6 4761	50 43.6 2011	87 59.0 2750	154 108.5 5050	59 49.8 2240	96 58.7 2810
Windham County	117 79.5 3716	57 39.4 1837	67 40.0 1879	133 87.8 4072	62 42.0 1977	77 45.8 2096
Windsor County	160 89.4 4025	78 45.8 2060	93 43.6 1965	169 97.8 4394	80 49.5 2235	98 48.4 2158

In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).  
 Note: FTEs for 2004 may be underestimated by as much as 4% overall.

Table 47 -- VT Physicians, 2004 vs. 2006  
 Primary Care Physician Full Time Equivalent (FTEs),  
 and Ratio to Population, by County, in 2004 and in 2006

County	2004			2006			Change in Ratio
	FTEs	Population	FTEs per 100,000 Population	FTEs	Population	FTEs per 100,000 Population	
STATEWIDE TOTAL	478.67	621,394	77.03	503.65	623,908	80.72	+3.69
Addison County	29.13	36,865	79.03	30.33	37,057	81.84	+2.81
Bennington County	35.15	36,956	95.11	33.99	36,929	92.03	-3.08
Caledonia County	19.93	30,464	65.43	21.34	30,842	69.19	+3.76
Chittenden County	137.39	149,286	92.03	149.05	150,069	99.32	+7.29
Essex County	1.44	6,654	21.65	3.25	6,567	49.49	+27.84
Franklin County	29.92	47,556	62.92	32.85	48,187	68.17	+5.25
Grand Isle County	.90	7,643	11.78	1.13	7,751	14.59	+2.81
Lamoille County	18.39	24,418	75.32	17.86	24,592	72.64	-2.68
Orange County	17.96	29,189	61.52	13.77	29,440	46.79	-14.73
Orleans County	19.36	27,372	70.72	17.99	27,718	64.92	-5.80
Rutland County	40.26	63,616	63.28	40.84	63,641	64.17	+0.89
Washington County	43.58	59,068	73.78	49.77	59,564	83.55	+9.77
Windham County	39.43	44,284	89.04	42.01	43,898	95.70	+6.66
Windsor County	45.83	58,023	78.99	49.47	57,653	85.80	+6.81

Only primary care physicians are included in this table.  
 An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
 The FTEs are rounded to 2 digits for display only.  
 The ratios were calculated using the unrounded values,  
 then rounded in turn to 2 digits for display.

Table 48 -- Physicians who Discontinued  
their Vermont Practice between 2004 and 2006:  
Count of Physicians, Full Time Equivalents (FTEs), and  
Total Weekly Patient Care Hours (in 2004), by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	179 104.0 4623	73 42.7 1863	117 61.3 2760
Addison County	5 3.3 133	4 2.5 101	1 .8 32
Bennington County	21 12.3 527	5 3.6 164	16 8.8 363
Caledonia County	8 2.2 88	1 .2 6	7 2.0 82
Chittenden County	62 39.1 1829	23 13.4 620	45 25.7 1209
Essex County	.	.	.
Franklin County	3 1.2 75	1 .1 5	3 1.1 69
Grand Isle County	.	.	.
Lamoille County	4 .3 13	.	4 .3 13
Orange County	16 7.9 336	9 5.9 254	7 2.0 82
Orleans County	9 6.1 280	5 3.3 132	6 2.8 149
Rutland County	19 9.9 405	8 4.7 198	11 5.2 207
Washington County	8 5.0 203	3 2.7 110	5 2.3 93
Windham County	13 6.7 322	5 2.3 98	8 4.4 225
Windsor County	27 9.9 412	12 4.1 175	18 5.8 237

In this table physicians may be counted more than once (Note 4).  
Pathologists and radiologists are excluded from this table (Note 3).

Table 49 -- VT Physicians Active in 2006  
 who were Not Active in 2004:  
 Count of Physicians, Full Time Equivalent (FTEs), and  
 Total Weekly Patient Care Hours (in 2006), by County

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		252 183.6 8291	86 56.9 2495	174 126.7 5795
Addison County		8 3.9 165	3 2.8 121	5 1.0 44
Bennington County		15 10.7 472	. . .	15 10.7 472
Caledonia County		9 5.1 238	3 2.0 87	6 3.2 152
Chittenden County		98 79.2 3667	27 17.9 784	77 61.3 2883
Essex County		2 1.6 77	2 1.6 77	. . .
Franklin County		11 7.4 312	4 2.7 108	7 4.7 204
Grand Isle County		1 .6 25	1 .6 25	. . .
Lamoille County		5 2.8 143	2 .8 45	3 2.0 99
Orange County		16 7.4 344	7 2.8 112	9 4.6 233
Orleans County		8 3.9 160	2 1.5 60	6 2.5 100
Rutland County		21 15.3 691	5 4.8 244	16 10.5 447
Washington County		21 13.2 540	10 8.3 338	11 5.0 202
Windham County		27 13.2 587	9 3.4 137	19 9.8 450
Windsor County		39 19.4 870	17 7.9 358	23 11.5 512

In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).

Table 50  
Physicians who Discontinued their Vermont Practice between 2004 and 2006:  
Age (in 2004) by Specialty and by Gender

	Total	Number in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	192	13	35	32	32	27	18	18	17	18%
MALES	127	7	22	18	12	19	16	16	17	26%
FEMALES	65	6	13	14	20	8	2	2	0	3%
PRIMARY CARE	70	9	8	12	11	14	5	9	2	16%
Family Practice	30	3	2	6	4	9	1	4	1	17%
Internal Medicine	23	2	3	2	4	5	1	5	1	26%
Ob/Gyn	8	1	0	3	3	0	1	0	0	0%
Pediatrics	9	3	3	1	0	0	2	0	0	0%
SPECIALTY CARE	122	4	27	20	21	13	13	9	15	20%
Anesthesiology	12	0	2	3	2	2	2	1	0	8%
Emergency Medicine	15	1	6	1	3	3	0	1	0	7%
Internal Medicine	16	1	3	5	3	0	1	0	3	19%
Neurology	5	1	1	0	1	1	0	1	0	20%
Ophthalmology	13	1	4	1	2	1	2	0	2	15%
Pathology	3	0	0	0	0	0	3	0	0	0%
Psychiatry	18	0	3	2	2	3	2	3	3	33%
Radiology	10	0	2	3	2	0	2	1	0	10%
Surgery: General	5	0	3	1	0	0	0	0	1	20%
Surgery: Orthopedic	5	0	0	0	2	0	0	1	2	60%
Surgery: Other	4	0	0	1	1	1	0	0	1	25%
Urology	2	0	2	0	0	0	0	0	0	0%
Other Specialties	14	0	1	3	3	2	1	1	3	29%

	Total	Percent in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	100%	7%	18%	17%	17%	14%	9%	9%	9%	18%
MALES	100%	6%	17%	14%	9%	15%	13%	13%	13%	26%
FEMALES	100%	9%	20%	22%	31%	12%	3%	3%	0%	3%
PRIMARY CARE	100%	13%	11%	17%	16%	20%	7%	13%	3%	16%
SPECIALTY CARE	100%	3%	22%	16%	17%	11%	11%	7%	12%	20%

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

Table 51  
 VT Physicians Active in 2006 who were Not Active in 2004:  
 Age (in 2006) by Specialty and by Gender

	Total	Number in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	310	51	65	59	39	39	24	17	10	9%
MALES	207	26	44	36	23	29	22	13	10	11%
FEMALES	103	25	21	23	16	10	2	4	0	4%
PRIMARY CARE	81	20	17	16	3	4	9	6	3	11%
Family Practice	37	14	6	6	0	2	5	3	0	8%
Internal Medicine	24	5	5	5	1	1	1	3	1	17%
Ob/Gyn	7	0	2	1	1	0	3	0	0	0%
Pediatrics	13	1	4	4	1	1	0	0	2	15%
SPECIALTY CARE	229	31	48	43	36	35	15	11	7	8%
Anesthesiology	14	4	5	2	1	1	0	0	0	0%
Emergency Medicine	23	4	4	2	5	3	3	2	0	9%
Internal Medicine	34	4	7	5	6	5	5	0	1	3%
Neurology	8	2	2	2	1	1	0	0	0	0%
Ophthalmology	8	4	2	1	0	1	0	0	0	0%
Pathology	13	3	0	2	1	2	1	2	1	23%
Psychiatry	26	4	6	4	3	6	0	3	0	12%
Radiology	45	2	9	10	10	10	1	2	1	7%
Surgery: General	6	0	1	2	1	1	0	0	1	17%
Surgery: Orthopedic	13	2	3	4	2	0	1	0	1	8%
Surgery: Other	8	1	3	1	1	1	1	0	0	0%
Urology	1	0	0	1	0	0	0	0	0	0%
Other Specialties	30	1	6	7	5	4	3	2	2	13%

	Total	Percent in Age Group								Age 60+
		<35	35-39	40-44	45-49	50-54	55-59	60-64	65+	(%)
TOTAL	100%	17%	21%	19%	13%	13%	8%	6%	3%	9%
MALES	100%	13%	22%	18%	11%	14%	11%	6%	5%	11%
FEMALES	100%	25%	21%	23%	16%	10%	2%	4%	0%	4%
PRIMARY CARE	100%	26%	22%	21%	4%	5%	12%	8%	4%	11%
SPECIALTY CARE	100%	14%	21%	19%	16%	15%	7%	5%	3%	8%

The 'Total' column includes 6 physicians with unknown ages.  
 See Note 1 for a description of the calculation of age.

Table 52  
 VT Physicians by Length of Time Active in Vermont as of 2004,  
 and Whether Still Active in Vermont in 2006

Tenure in VT as of 2004	Physicians Active in 2004	Still Active in VT in 2006	No Longer Active in VT in 2006
TOTAL	1612 (100%)	1420	192 ( 12%)
< 1 year	92 ( 6%)	73	19 ( 21%)
1-4 years	342 ( 21%)	282	60 ( 18%)
5-9 years	307 ( 19%)	281	26 ( 8%)
10-19 years	451 ( 28%)	411	40 ( 9%)
20+ years	388 ( 24%)	346	42 ( 11%)
unknown	32 ( 2%)	27	5 ( 16%)

Percentages in the 'Active in 2004' column are based on the 'TOTAL' row. Percentages in the 'No Longer Active' column are based on the 'Active in 2004' column.

Table 53  
 VT Primary Care Physicians by Length of Time Active in VT  
 as of 2004, and Whether Still Active in VT in 2006

Primary Care Physicians			
Tenure in VT as of 2004	Active in 2004	Still Active in VT in 2006	No Longer Active in VT in 2006
TOTAL	634 (100%)	564	70 ( 11%)
< 1 year	32 ( 5%)	24	8 ( 25%)
1-4 years	122 ( 19%)	104	18 ( 15%)
5-9 years	121 ( 19%)	109	12 ( 10%)
10-19 years	181 ( 29%)	170	11 ( 6%)
20+ years	166 ( 26%)	148	18 ( 11%)
unknown	12 ( 2%)	9	3 ( 25%)

Percentages in the 'Active in 2004' column are based on the 'TOTAL' row. Percentages in the 'No Longer Active' column are based on the 'Active in 2004' column.



# Appendices



## Appendix A. General Notes and Terms

### Definition of Active Physician

A physician who was relicensed for the period 2007-2008 in Vermont, and who provided patient care hours in Vermont as reported in the survey. *Locum tenens* and residents and fellows are excluded.

### Physicians not represented in these tables

Only *active* physicians are reported. Those who hold a Vermont license but are not actively in practice in Vermont are excluded from all tables. Residents, clinical fellows, research fellows, and work done on a *locum tenens* basis are excluded from all tables. (*Locum tenens* practitioners fill positions on a temporary basis when practitioners are on sabbatical, vacation, or absent for an extended period.) Pathologists and radiologists are excluded from tables that list hours or FTEs.

### Specialties

Physicians reported their specialties using a list of predefined codes that was provided along with the survey form (see Appendix D). For the purposes of these tables the detailed specialties were grouped in the following way:

#### Primary Care

- Family Practice includes general practice, family practice, and geriatric medicine.
- Internal Medicine includes general internal medicine and geriatric internal medicine.
- Obstetrics and Gynecology (Ob/Gyn) includes physicians who reported a solely gynecological practice or a solely obstetrical practice, along with those who reported working in both obstetrics and gynecology.
- Pediatrics includes pediatric primary care as well as adolescent medicine.

#### Specialty Care

- Anesthesiology
- Emergency Medicine
- Internal Medicine includes several internal medicine subspecialties
- Neurology
- Ophthalmology
- Pathology (excluded from some tables as noted)
- Psychiatry
- Radiology (excluded from some tables as noted)
- General Surgery
- Orthopedic Surgery
- Other Surgery includes most other surgical specialties, such as vascular surgery, abdominal surgery, colon and rectal surgery, neurological surgery, oral and maxillofacial surgery, pediatric surgery, surgical critical care, and thoracic surgery.
- Neurology
- Urology
- Other Specialties includes all specific specialties that are not included in the specialty groups listed above. (In some tables where there is no room to list all the groups separately, the "other" category includes some of the groups listed above.)

### Determination of a physician's main specialty

A physician's "main" specialty is the specialty group in which the physician works the most hours. In case of a tie (equal hours reported in two specialties), the specialty group listed first in the above list is chosen. This has the effect of choosing primary care over specialty care, and more common specialties over the "other specialties" category, in case of a tie.

### Definition of Full Time Equivalent (FTE)

Reported hours per week were prorated based on the number of work weeks per year. Full time is defined as 40 patient care hours per week or more, for 48 weeks per year. Reported hours per week were adjusted to an annual average, based on a standard of 48 weeks per year. E.g., if 52 weeks were reported, the hours were multiplied by 52/48. A physician reporting more than 40 (adjusted) hours per week is defined as *one* FTE regardless of the number of hours. See the following examples:

		<u>Weeks</u>	<u>Hours</u>	<u>FTE</u>
Example 1:	Specialty 1	48	10	0.25
	Specialty 2	48	10	0.25
	Total		20	0.50
Example 2:	Specialty 1	52	10	0.27
	Specialty 2	52	10	0.27
	Total		20	0.54
Example 3:	Specialty 1	52	20	0.50
	Specialty 2	52	20	0.50
	Total		40	1.00
Example 4:	Specialty 1	48	40	0.80
	Specialty 2	24	20	0.20
	Total			1.00

In the first example, the physician works half-time and has hours split equally between specialty 1 and specialty 2. The second example is similar except for the number of weeks being more than 48 so the FTEs are adjusted upwards. The pattern is the same in Example 3, except that the adjusted hours total more than 40, and the FTEs are therefore adjusted back down to a total of 1.0 FTE for the person. In the fourth example the physician provides an average of 40 hours per week year round (40 adjusted hours) in specialty 1, and another 20 hours of work in specialty 2 in each of only 24 weeks per year (10 adjusted hours). This too is calculated as 1.0 FTE total for the person, apportioned between the two specialties by the adjusted hours.

### **Hospital Service Areas**

The Hospital Service Areas (HSAs) in this report (and in the 2002 and 2004 reports) differ from both the HSAs and the Health Care Areas in the reports from surveys prior to 2002. Hospital Service Areas (HSAs) are based on inpatient discharges where the diagnosis indicates the need for immediate care, data from the years 1997-2001. Unlike previous versions of HSAs, 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. See Appendix F for a map of the HSAs.

### **Area Health Education Centers**

The Area Health Education Center regions (AHECs) are defined as groups of counties: The Champlain Valley AHEC includes Addison, Chittenden, Franklin, and Grand Isle counties. The Northeast Vermont AHEC includes Caledonia, Essex, Lamoille, Orange, Orleans, and Washington counties. The Southern Vermont AHEC includes Bennington, Rutland, Windham, and Windsor counties. See Appendix E for a map of the AHECs.

### **Local Health Districts**

The Local Health Districts are groups of towns whose residents receive services through the local District Office of the Vermont Department of Health. See Appendix G for a map of the Local Health Districts.

### **Rational Service Areas**

The Rational Service Areas (RSAs) are groups of towns whose residents typically receive primary care services within each area. The RSAs were defined using data from Medicare and Medicaid, and the Behavioral Risk Factor Survey. RSAs are used for determining areas of medical under service. See Appendix H for a map of the RSAs.

### **Determination of a physician's main County (or other area)**

Main county is the county in which the physician practices the greatest number of patient care hours. Similarly for main hospital service area, etc.

### **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 physicians are exact integers, however, and should add up to displayed totals.

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

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

Other tables count some physicians in more than one row or column, e.g., in every county the physician works in, 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 (to be referred to by number)**

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

Ages of physicians in the 2006 survey were calculated as of 11/30/06, based on the date of birth. For example, a person born between January and November 1966 is considered 40 years old, but those born in December 1966 are considered 39 years old. Tables that refer to physicians' age in 2004 are based on ages as of 11/30/04.

### **2. “Main” Specialty And “Main” County (Or Other Geographical Area) Determined Independently**

Each provider's main practice specialty and main county of practice are determined independently, and are used to determine the row and column in the table in which the provider will be counted. Secondary specialties and counties are ignored. A provider may practice their main specialty primarily in a county other than their main overall county, but that is ignored in this table.

### **3. Table Excludes Pathologists and Radiologists**

Pathology and radiology specialties are excluded from this table. We are no longer able to determine total radiology FTEs because much of the radiology work is now done remotely by out-of-state radiologists, and the portion of their total time spent on Vermont patients is unknown. Hours in active pathology practice are not part of our definition of direct patient care, and are not included in any table quantifying patient care (e.g., as FTEs). (But note that some practitioners whose main specialty is pathology may also provide some other kind of care that is counted as direct patient care.)

### **4. Notes Regarding Tables Listing Provider Full Time Equivalent (FTE) And Hours By Area (e.g., County), or by Setting:**

These tables count each provider who provides primary and/or specialty care in that county or area. The same provider may be counted in more than one town, more than one county, and in both the “primary” and “specialty” columns.

Because of this inclusive approach taken in tallying providers across many 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 to the county totals which sum the town-level provider counts, the state totals which sum the county-level counts, and the “Total” of primary and secondary care combined. 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). The above notes regarding totals apply as well to the “OB/Gyn Care Total” in the tables summarizing Primary Care Physicians.

See also Note 22 regarding the calculation of weekly hours and FTEs.

(note 5 skipped intentionally)

### **6. Obstetrics, Gynecology, and Obstetrics and Gynecology**

Since 2002 “Gynecology Only” is no longer listed separately from “OB/Gyn”.

7. **Population Estimates**

The 2006 population estimates used in this report are directly from the Census Bureau, as estimated for July, 2006. Population data for the 2004 survey were also from the Census Bureau but adjusted by the VT Department of Health. For the 2002 survey population data were from Claritas, Inc. After the 2000 Census, estimates for 1991-1999 were revised to better reflect actual population trends. These revised intercensal estimates were used in the comparison table on page 4, and will not match reports published prior to 2001.

8. **“Main” Setting and “Main” Specialty determined independently**

Each provider’s main practice setting and their main specialty are determined independently, and are used to determine the row and column in the table in which the provider will be counted. Secondary settings and specialties are ignored. A provider may practice their main specialty primarily in a setting other than their main overall setting, but that is ignored in this table.

9. **“Main” Setting, “Main” Specialty, “Main” County determined independently**

Each provider’s main specialty, main practice setting, and main county of practice are determined independently, and are used to determine the row and column in the table in which the provider will be counted. Secondary specialties, settings and counties are ignored. A provider may practice in their main setting primarily in a county other than their main overall county, but that is ignored in this table.

10. **Notes Regarding Availability of Care**

The survey queried physicians on whether they accept new patients, and whether they participate in Medicaid and Medicare, separately for each site where they practice.

In the first table depicting availability of care by specialty, each provider is counted once, in his or her main specialty. A provider is counted as accepting new patients if they accept new patients at any site, and as participating in Medicaid or Medicare if they participate at any site.

In the second table depicting FTEs availability of care by specialty, each site of each provider is counted, prorated by the fractional FTEs computed for each site.

In the table depicting availability of care by county, the unit of counting is neither the provider nor the site, but rather the provider - site association. More than one response per provider is tabulated if that provider reported working at more than one site. Each site of each provider is tabulated under the specialty reported, whether or not that is the provider’s main specialty.

The following specialties are excluded from the “accept Medicare patients” statistic (both numerator and denominator): all pediatric specialties and subspecialties (including adolescent medicine), maternal and fetal medicine, reproductive endocrinology, child neurology and child and adolescent psychiatry.

11. **Office Settings Only**

Only ambulatory and office-based settings are counted in this table. This is comparable to the 2004 survey report, but unlike the report from the 2002 survey, the wording of which did not allow a distinction between hospital-affiliated outpatient offices and hospital inpatient services. In surveys prior to 2002 the list of settings was different from the later

surveys. These differences did not seem to make a large difference in the computed percentages accepting new patients. Nevertheless, these percentages are not precisely comparable across surveys.

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

(note 13 skipped intentionally)

14. **Residency by Region**

If there was more than one residency for a physician, each in a different region, then this physician was counted in each region. If more than one residency was listed within the same region, then they are counted as one. The percentages for all the regions within a row may add up to more than 100, due to the multiple residencies.

(notes 15 and 16 skipped intentionally)

17. **Determining UVM Training**

In those cases where a physician reported more than one residency program, if any residency was at UVM (FAHC) then the physician was counted as having completed an UVM residency. In a few cases residency information is available, or school information is available, but not both. These cases **are included** in the last section of the table ("Doctors with *Any Known Training*") along with the doctors for whom both school and residency information are known.

(notes 18 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, 48 weeks per year. Average weekly hours (and FTEs), based on 48 weeks per year, were computed for providers who reported working more or less than 48 weeks per year. This results in fractional hours, and rounding errors may affect the displayed hours. Thus, in some cases the hours in the "total" columns differ, usually by one hour, from the totals of the hours displayed in the detail columns. Some providers provide additional care (not listed here): outside Vermont, or as *locum tenens*, or do other types of work besides direct patient care, e.g., administration, teaching or research.



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# Appendix C: Clinical Practice Questions

If you have any questions on this section, please call (802) 863-7300 or 1-800-869-2871.

### INSTRUCTIONS

Please fill in bubbles. Example: . . . . .

Please print legibly using a dark blue or black pen and UPPERCASE letters.

- Scans well
- Does not scan well

Vermont License Number

0	4	2	0	0					
---	---	---	---	---	--	--	--	--	--

First Name	<input type="text"/>	Gender: <input type="radio"/> Male <input type="radio"/> Female
Middle Name	<input type="text"/>	
Last Name	<input type="text"/>	

1. Please fill in all of the boxes that describe your practice: ("Active" means providing direct patient care.)

<input type="radio"/> Active in clinical practice in Vermont	<input type="radio"/> Administration	<b>--- If you don't provide patient care in Vermont, please stop here and return with your license renewal.</b>
<input type="radio"/> Active in clinical practice outside Vermont	<input type="radio"/> Teaching	
<input type="radio"/> Not currently in active practice	<input type="radio"/> Research	

2. Are you currently in residency or fellowship training?  Yes  No

**--- If Yes, please stop here and return with your license renewal.**

Use 2-letter abbreviations for states; CC for Canada, XX for other foreign countries:

3. Please enter the two letter code for the state where you earned your medical degree:  State of Medical School

4. Please enter the two letter code(s) for the state(s) in which you did your residency or residencies:    State(s) of Residency

5. When did you start practicing medicine (anywhere) (excluding residency/fellowship training)?  Year started practice

6. When did you start practicing medicine in Vermont (excluding residency/fellowship training)?  Year started in Vermont

7. Do you plan to retire, or leave your Vermont practice, within the next 5 years?  Yes  No

8. Do you plan to reduce your patient care hours in Vermont within the next 5 years?  Yes  No

9. For each location in Vermont where you provide patient care, please enter the Vermont town name (not a mailing address) here, and answer the questions on the next page for these sites respectively. If practicing in two settings within the same town, enter as separate "sites".

**SITE 1**  ---- Vermont town name

**SITE 2**

**SITE 3**

If you work at additional sites, please add (on margin or separate sheet) similar information about them.

CONTINUE ON OTHER SIDE OF SHEET





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# Clinical Practice Questions (continued from previous page)

When entering specialties, please use the 4-digit codes from the enclosed list of specialties. For each specialty, enter the (estimated) number of weeks per year, and hours in a working week, during which you provide direct patient care, including diagnosis, treatment, and clinical reporting. Exclude on-call hours.

Please re-enter your License Number for scanning purposes									
0	4	2	0	0					

10. Choose the **ONE** description that **best fits** your practice setting (for each site). The type of setting is not related to practice ownership.

	SITE 1	SITE 2	SITE 3
Ambulatory care, including associated hospital care: . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ambulatory care, without hospital care: . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Office-based specialty care, including hospital care: . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Office-based specialty care, without hospital care: . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hospital-based specialty care (e.g., pathology, E.R.): . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inpatient care only (hospitalist): . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Student health center: . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Business or work site: . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Extended care / nursing home (with or w/o hospital care): . . . . .	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other: (please specify) _____	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. For each site, enter the number of **WEEKS per year** during which you provide any direct patient care there: (48 weeks per year is considered full time.)

	SITE 1	SITE 2	SITE 3
(48 weeks per year is considered full time.) . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
Primary Specialty (at each site): . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
(specialty name, if code not found): . . . . .	-----	-----	-----
<b>HOURS</b> per week in Primary Specialty: . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
Secondary Specialty, if any: . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>HOURS</b> per week in Secondary Specialty: . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
Tertiary Specialty, if any: . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>HOURS</b> per week in Tertiary Specialty: . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>

12. Please answer each question, Yes or No:

	SITE 1		SITE 2		SITE 3	
	Yes	No	Yes	No	Yes	No
I will accept new patients here . . . . .	<input type="radio"/>					
I participate in Medicaid here . . . . .	<input type="radio"/>					
I will accept new Medicaid patients here . . . . .	<input type="radio"/>					
I participate in Medicare here . . . . .	<input type="radio"/>					
I will accept new Medicare patients here . . . . .	<input type="radio"/>					
I work as a locum tenens here . . . . .	<input type="radio"/>					



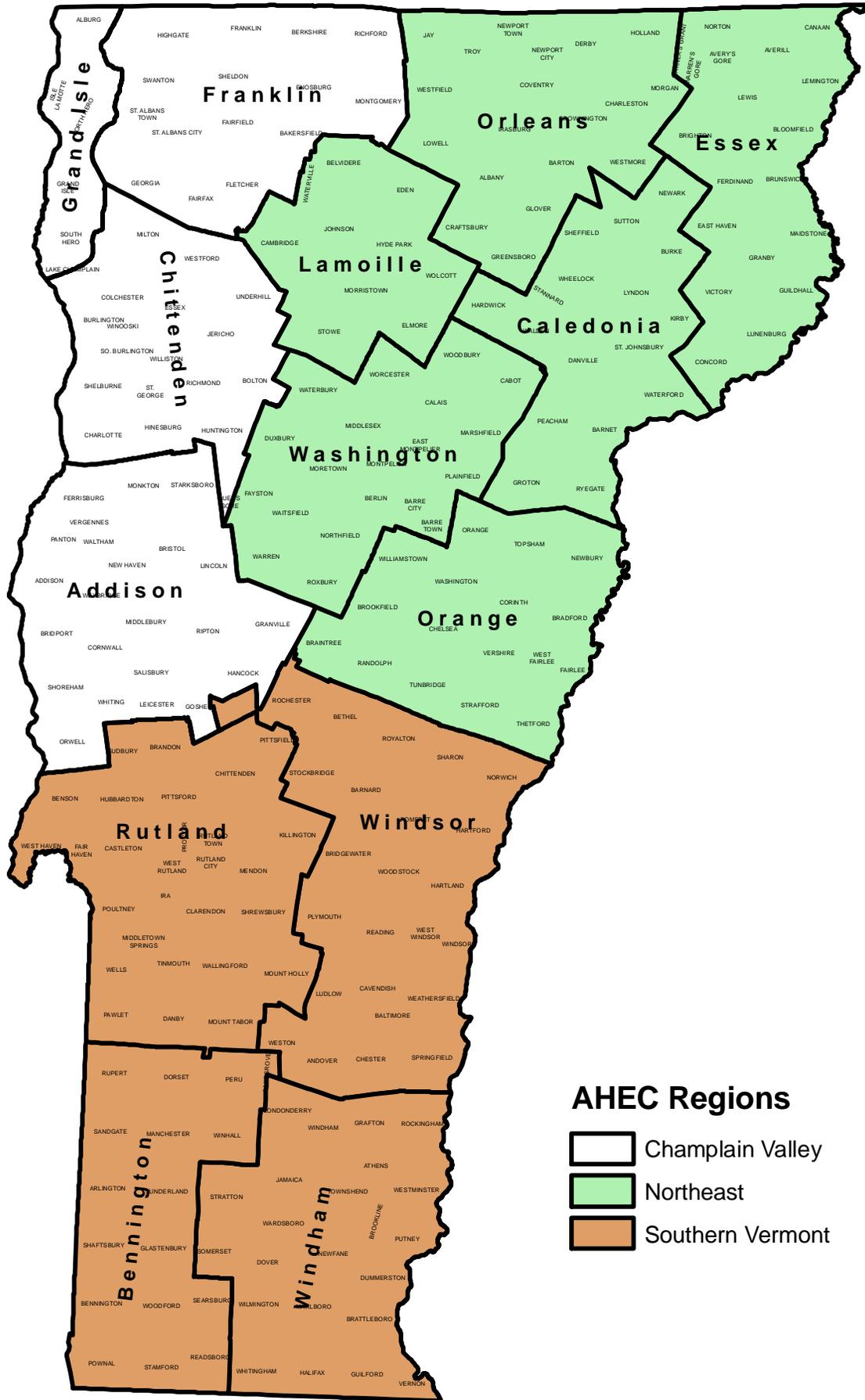
**Appendix D:****SPECIALTY CODES****(primary care specialties in boldface)****(note: codes are not in numerical order, please check them carefully)**

0101 Allergy and Immunology	0801 Medical Genetics
4005 Allergy	0802 Clinical Biochemical Genetics
4015 Immunology	0804 Clinical Cytogenetics
0102 Clinical & Laboratory Immunology	0805 Clinical Genetics (MD)
4025 Pediatric Allergy	0806 Clinical Molecular Genetics
	0807 Molecular Genetics Pathology
0201 Anesthesiology	0901 Neurological Surgery
0202 Critical Care Medicine (Anesth.)	1001 Nuclear Medicine
0203 Pain Management	
0301 Colon & Rectal Surgery	1101 Obstetrics & Gynecology
	4011 Gynecology
0401 Dermatology	4020 Obstetrics
0404 Dermatological Immunology	1102 Critical Care Medicine (OBGYN)
0402 Dermatopathology	1103 Gynecologic Oncology
0405 Pediatric Dermatology	1104 Maternal & Fetal Medicine
	1105 Reproductive Endocrinology
0501 Emergency Medicine	1201 Ophthalmology
0502 Medical Toxicology	4026 Pediatric Ophthalmology
0503 Pediatric Emergency Medicine	
0504 Sports Medicine (EM)	1301 Orthopaedic Surgery
0505 Underseas Medicine (EM)	4004 Adult Reconstructive Orthopedics
	1302 Hand Surgery
0601 Family Practice	4022 Orthopedic Surgery Of The Spine
0604 Adolescent Medicine (FP)	4023 Orthopedic Trauma
0602 Geriatric Medicine (FP)	4027 Pediatric Orthopedics
0603 Sports Medicine (FP)	4032 Sports Medicine (Ortho Surg)
	4033 Traumatic Surgery
4010 General Practice	
	1401 Otolaryngology
0701 Internal Medicine (primary care)	1402 Otology/Neurotology
0702 Adolescent Medicine (IM)	1403 Pediatric Otolaryngology
0703 Clinical Cardiac Electrophysiology	1404 Plastic Surgery Within the Head and Neck
0704 Cardiovascular Disease	1405 Sleep Medicine (otolaryng.)
0706 Clinical & Laboratory Immunology	
0705 Critical Care Medicine (IM)	1500 Pathology
0707 Endocrinology Diabetes & Metabolism	1501 Anatomic & Clinical Pathology
0708 Gastroenterology	1502 Anatomic Pathology
0709 Geriatric Medicine (IM)	1503 Clinical Pathology
0710 Hematology	1504 Blood Banking/Transfusion Medicine
0711 Infectious Disease	1505 Chemical Pathology
0717 Interventional Cardiology	1506 Cytopathology
0712 Medical Oncology	1507 Dermatopathology
0713 Nephrology	1508 Forensic Pathology
0714 Pulmonary Disease	1509 Hematology
0715 Rheumatology	1511 Medical Microbiology
0718 Sleep Medicine (IM)	1514 Molecular Genetic Pathology
0716 Sports Medicine (IM)	1512 Neuropathology
0719 Transplant Hepatology (IM)	1513 Pediatric Pathology
	4031 Radioisotopic Pathology

**CODES CONTINUED ON BACK**



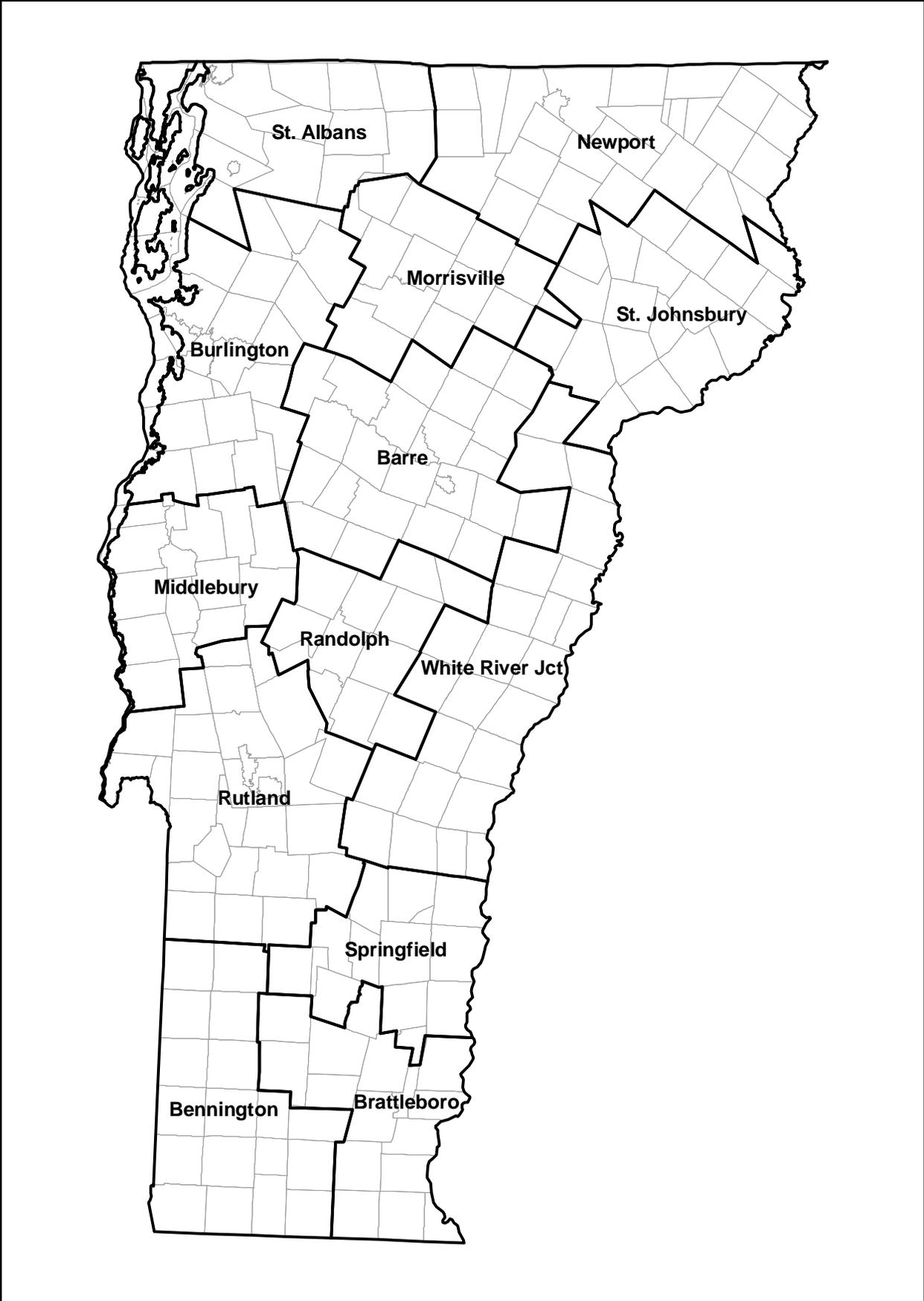
# Appendix E: Vermont Counties and Towns



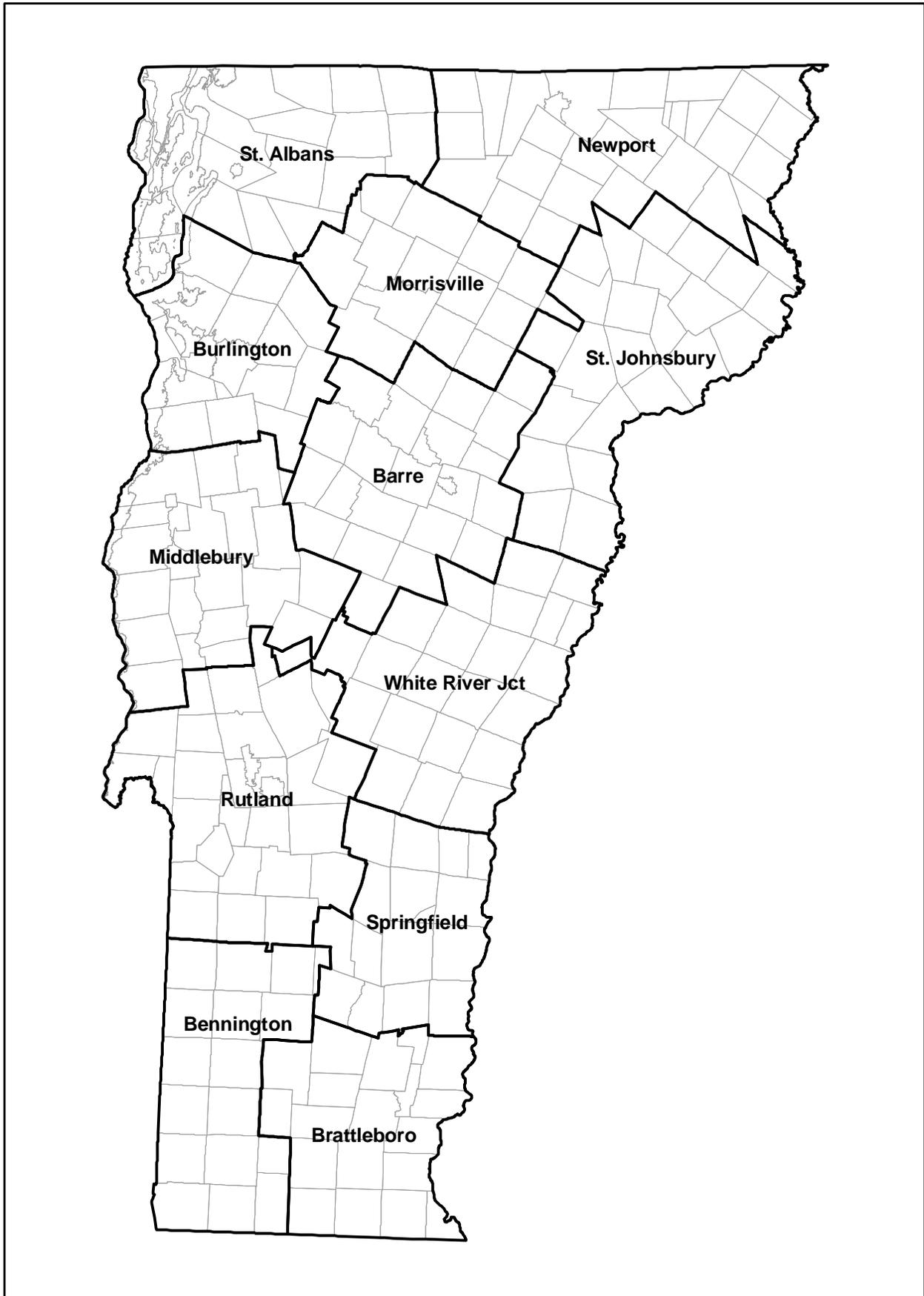
## AHEC Regions

- Champlain Valley
- Northeast
- Southern Vermont

Appendix F: Hospital Service Areas



# Appendix G: Local Health Districts



Appendix H: Rational Service Areas

