

Vermont Department of Health  
**2008 Physician Survey**  
**Statistical Report**



# 2008 Physician Survey

## Statistical Report

State of Vermont  
James Douglas, Governor

Agency of Human Services  
Robert Hofmann, Secretary

Department of Health  
Wendy Davis, MD, Commissioner

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## Acknowledgments

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

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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 2008; 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 2008. 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 2008. 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 2008. 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 2008 survey to previous surveys are included in this report. Similar data are collected from some other health professionals. Results from these surveys are available on the Department of Health web site at <http://healthvermont.gov/research> under "Health Care Provider Surveys".

### Limitations

Information was obtained from or about all potentially active physicians who renewed their license by March 2009. 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 96 physicians. Another 28 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 many radiologists, provide services remotely from out of state to Vermont patients. They are counted in this report in the "tele-medicine" 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. An increasing number of physicians work as "hospitalists", providing general care to inpatients. In this report "hospitalist" is reported as a "setting", and hospitalists are reported under the specialty reported by the physician, or under "internal medicine subspecialty" if internal medicine, or no specialty, was reported.

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 2006 survey, the missing data were replaced with information from the 2006 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.

Detailed notes and definitions are included in the Appendices. Please contact us if you have any questions about the survey or the report, at the Department of Health, Public Health Statistics, P.O. Box 70, Burlington, VT 05402, tel. (802) 863-7300.

## Summary of Active Physicians, 2008

- ◆ This report includes data reported by 1833 physicians providing patient care in Vermont. This includes 1783 Medical Doctors and 50 Doctors of Osteopathy. Residents and fellows are excluded from this report.
- ◆ 634 physicians provide mainly primary care, corresponding to 498.2 Full Time Equivalents (FTEs).
- ◆ 1199 physicians provide mainly specialty care, corresponding to 818.1 FTEs.
- ◆ 56% 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.
- ◆ 19% of primary care physicians are over age 60, as compared with 15% in 2006, and retirement in the near future is a consideration. This includes 26% of primary care internists and 20% of obstetricians/gynecologists.
- ◆ In 11 of 14 counties, 16% or more of the primary care physicians are over age 60. Grand Isle County (50%), Addison County (28%), Lamoille County (27%), Windham County (27%), and Windsor County (26%) may expect the largest turnover.
- ◆ 19% of specialists are over age 60. This includes 34% of psychiatrists, 32% of neurologists, and 28% of ophthalmologists.
- ◆ The utilization of hospitalists is growing, providing mainly internal medicine and psychiatry. These are physicians who provide care to hospital inpatients.
- ◆ There has been a further increase in the prevalence of tele-medicine, mostly in radiology, where physicians located outside of Vermont provide services to patients in Vermont.
- ◆ 80% of primary care physicians (in office settings) accept new patients, but only 69% accept new Medicaid patients and 69% accept new Medicare patients.
- ◆ In Washington County only 52% of primary care practices accept new patients.
- ◆ 577 or 31% of Vermont physicians, and 45% of primary care physicians, are women. In 1996 22% of Vermont physicians, and 28% of primary care physicians, were women.
- ◆ 650 or 35% of Vermont’s physicians have attended the University of Vermont’s College of Medicine and/or have completed a residency or fellowship there. 366 (20%) are graduates of the College of Medicine, and 465 (26%) did a residency or fellowship there.
- ◆ Vermont saw a net decrease of 6 primary care physicians, and a drop of 5.4 primary care FTEs, between 2006 and 2008. On the other hand there was an increase of 109 specialty care physicians, and 82.1 FTEs, between 2006 and 2008.
- ◆ Between 2006 and 2008, the ratio of primary care physician FTEs to population decreased slightly overall, with the largest decreases in Essex, Franklin, Bennington and Washington Counties. The largest increases were seen in Orange, Orleans and Addison Counties.
- ◆ See the next page for a fuller comparison of data over the years 1996-2008.

## Comparison of Selected Physician Data, 1996-2008

	1996	1998	2000	2002	2004	2006	2008
Total active * physicians	1384	1410	1480	1565	1612	1730	1833
Percent female	22%	24%	26%	28%	29%	29%	31%
Primary care physicians	535	554	585	628	634	640	634
Family Practice	227	234	258	259	280	291	279
Internal Medicine ^	155	158	164	198	177	174	175
Ob/Gyn	63	62	64	68	70	67	75
Pediatric Primary Care	90	100	99	103	107	108	105
% over age 60	13%	11%	9%	9%	12%	15%	19%
% accepting new patients @	91%	87%	80%	83%	81%	82%	80%
accepting new Medicaid patients @	86%	82%	73%	75%	70%	68%	69%
accepting new Medicare patients @	87%	82%	74%	78%	71%	72%	69%
Specialist physicians	849	856	895	937	978	1090	1199
Anesthesiology	60	58	59	73	78	79	97
Emergency Medicine	81	82	76	86	84	96	108
Internal Medicine ^	124	124	138	128	157	183	217
Pathology #	42	43	42	44	47	56	53
Psychiatry	152	142	154	146	160	169	172
Radiology #	61	66	72	83	71	106	129
General Surgery	50	38	42	51	46	49	50
Orthopedic Surgery	50	53	55	60	57	65	72
Other Surgery	24	30	37	32	36	39	40
Other Specialties	205	220	220	234	242	248	261
Primary care physician FTEs &	438.2	450.3	472.2	492.9	478.7	503.6	498.2
Family Practice	180.6	190.7	211.5	206.2	215.9	229.9	223.9
Internal Medicine ^	126.9	126.9	128.5	145.5	124.5	129.7	126.5
Ob/Gyn	55.1	51.8	53.3	59.1	58.3	59.1	62.5
Pediatric Primary Care	75.7	80.9	78.8	82.2	79.9	84.9	85.3
FTEs/100,000 population **	73.4	75.0	77.6	80.1	77.0	80.7	80.2
% of FTEs in Chittenden County	30%	29%	28%	29%	29%	30%	30%
Specialist physician FTEs # &	573.2	596.4	621.3	657.5	656.1	736.0	818.1
Anesthesiology	56.4	56.3	56.4	69.1	67.7	72.7	85.5
Emergency Medicine	56.5	63.0	57.0	60.6	59.6	73.1	80.7
Internal Medicine ^	89.4	90.5	104.6	96.8	118.0	139.0	172.8
Ophthalmology	32.6	36.7	36.7	39.4	35.7	34.0	35.3
Psychiatry	104.1	110.6	117.5	115.7	118.8	126.2	129.9
General Surgery	41.6	33.6	36.0	43.4	36.4	42.8	46.7
Orthopedic Surgery	46.7	48.8	49.9	50.0	49.0	51.5	59.6
Other Surgery	24.2	29.9	32.8	29.0	29.2	33.8	33.2
Other Specialties #	121.7	127.1	130.3	153.5	141.8	162.9	174.4
% of FTEs in Chittenden County	42%	43%	43%	44%	46%	46%	45%

\* 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 physicians not sites, '02 not comparable with other years – see notes 10 and 11

# FTEs not computed for pathology and radiology due to increasing “tele-medicine”

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

# Vermont Physicians Demographics and Training



Table 1 -- VT Physicians, 2008  
Summary of Active Physicians

TOTAL	1833	
Medical Doctor (MD)	1783	(97%)
Doctor of Osteopathy (DO)	50	( 3%)
Main specialty:		
Primary Care Total	634	(35%)
Family Practice	279	(15%)
Primary Care Internal Medicine	175	(10%)
Obstetrics and Gynecology	75	( 4%)
Pediatrics	105	( 6%)
Specialty Care Total	1199	(65%)
Anesthesiology	97	( 5%)
Emergency Medicine	108	( 6%)
Internal Medicine Specialties	217	(12%)
Neurology	41	( 2%)
Ophthalmology	46	( 3%)
Pathology	53	( 3%)
Psychiatry	172	( 9%)
Radiology	129	( 7%)
Surgery: General	50	( 3%)
Surgery: Orthopedic	72	( 4%)
Surgery: Other	40	( 2%)
Urology	22	( 1%)
Other Specialties	152	( 8%)
Age groups:		
less than 35	80	( 4%)
35 - 44	470	(26%)
45 - 54	676	(37%)
55 - 59	259	(14%)
60 - 64	185	(10%)
65 and up	161	( 9%)
unknown	2	
Gender:		
Male	1256	(69%)
Female	577	(31%)
Number of practice sites:		
One	1409	(77%)
Two	323	(18%)
Three or more	101	( 6%)
Patient care hours: *		
40 or more hours/week	922	(56%)
30 to 39 hours/week	262	(16%)
less than 30 hours/week	467	(28%)

\* Excluding pathologists and radiologists

Table 2 -- VT Physicians, 2008  
Age by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	1833	80	470	676	259	185	161	19%
MALES	1256	34	273	445	195	158	150	25%
FEMALES	577	46	197	231	64	27	11	7%
PRIMARY CARE	634	30	151	236	97	69	51	19%
Family Practice	279	12	66	112	44	27	18	16%
Internal Medicine	175	9	31	65	25	21	24	26%
Ob/Gyn	75	3	19	27	11	10	5	20%
Pediatrics	105	6	35	32	17	11	4	14%
SPECIALTY CARE	1199	50	319	440	162	116	110	19%
Anesthesiology	97	6	33	39	8	10	1	11%
Emergency Medicine	108	5	30	45	15	8	4	11%
Internal Medicine	217	9	66	80	31	12	18	14%
Neurology	41	3	10	10	5	6	7	32%
Ophthalmology	46	2	11	14	6	4	9	28%
Pathology	53	0	18	17	5	6	7	25%
Psychiatry	172	6	23	51	33	35	24	34%
Radiology	129	5	39	51	18	7	9	12%
Surgery: General	50	1	14	21	6	3	5	16%
Surgery: Orthopedic	72	5	20	23	11	7	6	18%
Surgery: Other	40	1	12	17	2	3	5	20%
Urology	22	0	7	11	1	2	1	14%
Other Specialties	152	7	36	61	21	13	14	18%
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	4%	26%	37%	14%	10%	9%	19%
MALES	100%	3%	22%	35%	16%	13%	12%	25%
FEMALES	100%	8%	34%	40%	11%	5%	2%	7%
PRIMARY CARE	100%	5%	24%	37%	15%	11%	8%	19%
SPECIALTY CARE	100%	4%	27%	37%	14%	10%	9%	19%

The 'Total' column includes 2 physicians with unknown ages.  
See Note 1 for a description of the calculation of age.

Table 3 -- VT Physicians, 2008  
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	1833	80	470	676	259	185	161	19%
MALES	1256	34	273	445	195	158	150	25%
PRIMARY CARE	351	9	51	122	67	56	46	29%
Family Practice	166	4	24	68	32	21	17	23%
Internal Medicine	111	4	10	42	16	19	20	35%
Ob/Gyn	33	1	5	5	9	8	5	39%
Pediatrics	41	.	12	7	10	8	4	29%
SPECIALTY CARE	905	25	222	323	128	102	104	23%
Anesthesiology	70	1	24	28	8	8	1	13%
Emergency Medicine	89	3	23	39	14	6	4	11%
Internal Medicine	157	5	35	61	27	11	17	18%
Neurology	30	.	8	6	3	6	7	43%
Ophthalmology	40	2	9	11	5	4	9	33%
Pathology	39	.	12	11	4	5	7	31%
Psychiatry	111	3	14	23	21	29	21	45%
Radiology	99	4	28	37	14	7	9	16%
Surgery: General	43	.	12	18	5	3	5	19%
Surgery: Orthopedic	64	4	16	20	11	7	6	20%
Surgery: Other	37	.	11	16	2	3	5	22%
Urology	19	.	6	10	1	2	.	11%
Other Specialties	107	3	24	43	13	11	13	22%
FEMALES	577	46	197	231	64	27	11	7%
PRIMARY CARE	283	21	100	114	30	13	5	6%
Family Practice	113	8	42	44	12	6	1	6%
Internal Medicine	64	5	21	23	9	2	4	9%
Ob/Gyn	42	2	14	22	2	2	.	5%
Pediatrics	64	6	23	25	7	3	.	5%
SPECIALTY CARE	294	25	97	117	34	14	6	7%
Anesthesiology	27	5	9	11	.	2	.	7%
Emergency Medicine	19	2	7	6	1	2	.	11%
Internal Medicine	60	4	31	19	4	1	1	3%
Neurology	11	3	2	4	2	.	.	.
Ophthalmology	6	.	2	3	1	.	.	.
Pathology	14	.	6	6	1	1	.	7%
Psychiatry	61	3	9	28	12	6	3	15%
Radiology	30	1	11	14	4	.	.	.
Surgery: General	7	1	2	3	1	.	.	.
Surgery: Orthopedic	8	1	4	3	.	.	.	.
Surgery: Other	3	1	1	1	.	.	.	.
Urology	3	.	1	1	.	.	1	33%
Other Specialties	45	4	12	18	8	2	1	7%

The 'Total' column includes 2 physicians with unknown ages.  
See Note 1 for a description of the calculation of age.

Table 4 -- VT Physicians, 2008  
Age by County

County	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	1833	80	470	676	259	185	161	19%
Primary Care	634	30	151	236	97	69	51	19%
Specialists	1199	50	319	440	162	116	110	19%
Addison County								
Primary Care	46	1	9	21	2	6	7	28%
Specialists	49	4	16	20	4	3	2	10%
Bennington County								
Primary Care	38	0	9	15	8	3	3	16%
Specialists	79	5	30	24	7	5	8	16%
Caledonia County								
Primary Care	26	0	3	12	5	5	1	23%
Specialists	56	0	20	19	8	4	5	16%
Chittenden County								
Primary Care	192	13	62	65	30	15	7	11%
Specialists	508	23	138	204	60	45	38	16%
Essex County								
Primary Care	2	0	1	1	0	0	0	0%
Specialists	0							
Franklin County								
Primary Care	32	2	4	17	5	0	4	13%
Specialists	40	0	8	24	5	2	0	5%
Grand Isle County								
Primary Care	2	0	0	1	0	0	1	50%
Specialists	0							
Lamoille County								
Primary Care	22	0	3	7	6	5	1	27%
Specialists	26	2	5	9	2	5	3	31%
Orange County								
Primary Care	26	0	5	10	5	4	2	23%
Specialists	31	2	5	9	1	7	7	45%
Orleans County								
Primary Care	20	3	5	5	2	5	0	25%
Specialists	27	0	10	10	2	3	2	19%
Rutland County								
Primary Care	44	0	15	18	4	2	5	16%
Specialists	108	5	27	40	20	6	10	15%
Washington County								
Primary Care	51	6	7	15	14	8	1	18%
Specialists	85	5	16	30	16	10	8	21%
Windham County								
Primary Care	56	1	13	21	6	8	7	27%
Specialists	80	1	16	22	15	10	15	32%
Windsor County								
Primary Care	77	4	15	28	10	8	12	26%
Specialists	101	2	25	25	22	15	12	27%

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 'Total' column includes 2 physicians with unknown ages (see Note 1). The statewide totals include 9 physicians with undefined locations.

Table 5 -- VT Physicians, 2008  
Gender by County

County	Total	Males	Females
STATEWIDE TOTAL			
Total	1833	1256 (69%)	577 (31%)
Primary Care	634	351 (55%)	283 (45%)
Specialists	1199	905 (75%)	294 (25%)
Addison County			
Primary Care	46	26 (57%)	20 (43%)
Specialists	49	42 (86%)	7 (14%)
Bennington County			
Primary Care	38	22 (58%)	16 (42%)
Specialists	79	60 (76%)	19 (24%)
Caledonia County			
Primary Care	26	13 (50%)	13 (50%)
Specialists	56	43 (77%)	13 (23%)
Chittenden County			
Primary Care	192	89 (46%)	103 (54%)
Specialists	508	365 (72%)	143 (28%)
Essex County			
Primary Care	2	1 (50%)	1 (50%)
Specialists	0		
Franklin County			
Primary Care	32	14 (44%)	18 (56%)
Specialists	40	35 (88%)	5 (13%)
Grand Isle County			
Primary Care	2	2 (100%)	0 (0%)
Specialists	0		
Lamoille County			
Primary Care	22	15 (68%)	7 (32%)
Specialists	26	16 (62%)	10 (38%)
Orange County			
Primary Care	26	16 (62%)	10 (38%)
Specialists	31	24 (77%)	7 (23%)
Orleans County			
Primary Care	20	14 (70%)	6 (30%)
Specialists	27	22 (81%)	5 (19%)
Rutland County			
Primary Care	44	32 (73%)	12 (27%)
Specialists	108	90 (83%)	18 (17%)
Washington County			
Primary Care	51	31 (61%)	20 (39%)
Specialists	85	69 (81%)	16 (19%)
Windham County			
Primary Care	56	32 (57%)	24 (43%)
Specialists	80	63 (79%)	17 (21%)
Windsor County			
Primary Care	77	44 (57%)	33 (43%)
Specialists	101	70 (69%)	31 (31%)

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 totals include 9 physicians with undefined locations.

Table 6 -- VT Physicians, 2008  
 Years in Clinical Practice

Time since started	Anywhere	In Vermont
less than a year	42 ( 2%)	95 ( 5%)
1 or 2 years	106 ( 6%)	202 ( 11%)
3 or 4 years	90 ( 5%)	174 ( 10%)
5 to 9 years	231 ( 13%)	341 ( 19%)
10 to 14 years	286 ( 16%)	279 ( 15%)
15 to 19 years	276 ( 15%)	234 ( 13%)
20 to 24 years	300 ( 17%)	177 ( 10%)
25 to 29 years	187 ( 10%)	116 ( 6%)
30 to 34 years	154 ( 8%)	131 ( 7%)
35 years or more	144 ( 8%)	64 ( 4%)
unknown	17	20
Total	1833	1833
Median years:	17	11

Table 7 -- VT Physicians, 2008  
 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	1833	20%	2%	10%	23%	15%	16%	5%	4%	6%
PRIMARY CARE	634	25%	3%	12%	23%	14%	13%	4%	4%	3%
Family Practice	279	28%	4%	12%	22%	11%	13%	4%	5%	2%
Internal Medicine	175	18%	2%	15%	25%	17%	13%	3%	1%	6%
Ob/Gyn	75	28%	0%	7%	28%	19%	11%	3%	5%	0%
Pediatrics	105	28%	1%	10%	17%	17%	11%	7%	4%	6%
SPECIALTY CARE	1199	17%	2%	9%	23%	15%	18%	5%	4%	8%
Anesthesiology	97	37%	3%	6%	14%	8%	14%	6%	3%	7%
Emergency Medicine	108	16%	3%	10%	17%	17%	19%	9%	5%	5%
Internal Medicine	217	14%	3%	10%	31%	12%	13%	2%	3%	13%
Neurology	41	5%	2%	7%	27%	22%	17%	2%	2%	15%
Ophthalmology	46	20%	0%	9%	30%	15%	20%	0%	2%	4%
Pathology	53	26%	2%	4%	8%	23%	15%	8%	0%	15%
Psychiatry	172	16%	3%	7%	17%	15%	22%	8%	2%	9%
Radiology	129	11%	2%	10%	21%	22%	22%	6%	3%	3%
Surgery: General	50	26%	0%	10%	22%	16%	12%	2%	6%	6%
Surgery: Orthopedic	72	13%	4%	18%	31%	11%	15%	1%	6%	1%
Surgery: Other	40	25%	3%	10%	23%	5%	18%	5%	10%	3%
Urology	22	18%	5%	9%	23%	9%	23%	5%	9%	0%
Other Specialties	152	13%	2%	10%	28%	13%	18%	4%	5%	7%

State of medical school is not known for one physician.  
 This table uses the standard mapping of states to regions (Note 12),  
 but separates out VT and NH.

Table 8 -- VT Physicians, 2008  
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	1833	26%	8%	23%	26%	15%	15%	13%	3%	1%
PRIMARY CARE	634	27%	7%	20%	24%	12%	12%	11%	3%	1%
Family Practice	279	26%	3%	16%	26%	12%	12%	11%	4%	1%
Internal Medicine	175	27%	12%	31%	20%	9%	14%	10%	1%	1%
Ob/Gyn	75	29%	5%	15%	27%	16%	9%	5%	4%	0%
Pediatrics	105	28%	10%	18%	23%	17%	9%	13%	1%	1%
SPECIALTY CARE	1199	25%	9%	24%	27%	17%	18%	15%	4%	1%
Anesthesiology	97	40%	14%	23%	29%	15%	14%	17%	3%	2%
Emergency Medicine	108	8%	1%	31%	27%	8%	17%	14%	3%	1%
Internal Medicine	217	29%	11%	34%	25%	14%	15%	13%	2%	1%
Neurology	41	29%	10%	24%	37%	12%	22%	12%	2%	0%
Ophthalmology	46	2%	4%	11%	41%	26%	28%	15%	4%	0%
Pathology	53	36%	13%	19%	19%	28%	11%	13%	2%	4%
Psychiatry	172	32%	21%	21%	23%	13%	13%	9%	2%	1%
Radiology	129	17%	1%	27%	29%	21%	22%	29%	4%	0%
Surgery: General	50	24%	2%	14%	29%	16%	18%	6%	8%	2%
Surgery: Orthopedic	72	29%	7%	16%	34%	13%	20%	11%	4%	0%
Surgery: Other	40	28%	3%	25%	23%	15%	18%	15%	13%	0%
Urology	22	9%	14%	18%	18%	27%	32%	14%	9%	0%
Other Specialties	152	22%	9%	18%	29%	23%	20%	16%	5%	1%

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 12 of the specialists.

Table 9 -- VT Physicians, 2008  
 Training at the University of Vermont

	Total	Doctors with Known Medical School	Graduated from VT (UVM) Medical School
Primary Care	634	634	160 (25%)
Specialists	1199	1198	206 (17%)
Total	1833	1832	366 (20%)

	Total	Doctors with Known Residency	Completed VT (FAHC) Residency
Primary Care	634	626	170 (27%)
Specialists	1199	1187	295 (25%)
Total	1833	1813	465 (26%)

	Total	Doctors with Any Known Training	Any Training in VT
Primary Care	634	634	259 (41%)
Specialists	1199	1198	391 (33%)
Total	1833	1832	650 (35%)

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

181 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, 2008  
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	1316.3	66.4	335.8	497.2	186.0	140.5	88.6	17%
MALES	904.5	26.7	195.3	337.7	141.0	121.7	81.3	22%
FEMALES	411.8	39.7	140.4	159.5	45.0	18.9	7.3	6%
PRIMARY CARE	498.2	24.4	119.0	188.8	77.0	55.6	33.4	18%
Family Practice	223.9	10.8	50.5	90.3	37.2	22.5	12.7	16%
Internal Medicine	126.5	6.6	23.5	47.2	16.9	17.5	14.8	26%
Ob/Gyn	62.5	2.3	16.8	23.2	9.0	7.6	3.6	18%
Pediatrics	85.3	4.8	28.3	28.1	13.9	8.0	2.3	12%
SPECIALTY CARE	818.1	42.0	216.7	308.5	109.0	85.0	55.3	17%
Anesthesiology	85.5	5.8	30.0	33.9	6.5	8.4	1.0	11%
Emergency Medicine	80.7	4.6	21.7	35.9	8.9	6.1	2.7	11%
Internal Medicine	172.8	7.6	51.4	65.4	24.5	9.4	13.7	13%
Neurology	29.6	2.8	6.9	8.5	4.0	4.6	2.8	25%
Ophthalmology	35.3	2.0	8.9	11.4	4.9	2.8	5.2	23%
Psychiatry	129.9	5.6	18.0	39.6	26.3	29.2	11.3	31%
Surgery: General	46.7	1.0	14.2	19.4	4.6	3.0	4.5	16%
Surgery: Orthopedic	59.6	4.9	15.3	20.1	10.8	6.4	2.1	14%
Surgery: Other	33.2	1.0	11.0	13.5	1.1	3.0	3.6	20%
Urology	21.4	.	7.0	11.0	1.0	1.5	.9	11%
Other Specialties	123.4	6.8	32.4	49.6	16.4	10.6	7.6	15%
	Total	% of total FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	5%	26%	38%	14%	11%	7%	17%
MALES	100%	3%	22%	37%	16%	13%	9%	22%
FEMALES	100%	10%	34%	39%	11%	5%	2%	6%
PRIMARY CARE	100%	5%	24%	38%	15%	11%	7%	18%
SPECIALTY CARE	100%	5%	27%	38%	13%	10%	7%	17%

The 'Total' column includes 1.7 FTEs with unknown ages (see note 1).  
Pathologists and radiologists are excluded from this table (see Note 3).

Table 11 -- VT Physicians, 2008  
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	1316.3	66.4	335.8	497.2	186.0	140.5	88.6	17%
Primary Care	498.2	24.4	119.0	188.8	77.0	55.6	33.4	18%
Specialists	818.1	42.0	216.7	308.5	109.0	85.0	55.3	17%
Addison County								
Primary Care	32.7	1.0	5.9	14.5	1.5	5.4	4.5	30%
Specialists	21.8	.9	5.7	10.3	1.5	2.0	1.3	16%
Bennington County								
Primary Care	31.0	.	6.1	13.8	6.6	2.9	1.4	14%
Specialists	60.4	5.0	24.3	15.5	4.5	5.2	5.9	18%
Caledonia County								
Primary Care	21.0	.	2.6	9.4	4.2	4.4	.4	23%
Specialists	22.5	.	5.3	6.9	5.8	2.6	1.9	20%
Chittenden County								
Primary Care	150.3	10.0	51.9	50.5	22.4	11.8	3.7	10%
Specialists	369.4	20.4	105.4	149.6	42.1	32.3	19.6	14%
Essex County								
Primary Care	1.5	.	.7	.8	.	.	.	0%
Specialists	.	.	.	.	.	.	.	.
Franklin County								
Primary Care	28.9	1.5	3.7	15.2	4.5	.	4.0	14%
Specialists	32.8	.5	8.2	19.7	2.9	.6	.	2%
Grand Isle County								
Primary Care	1.2	.	<.05	.5	.	.	.7	56%
Specialists	.	.	.	.	.	.	.	.
Lamoille County								
Primary Care	17.9	.	2.6	6.1	4.6	3.9	.7	26%
Specialists	21.0	1.8	5.2	5.5	2.6	4.3	1.6	28%
Orange County								
Primary Care	18.0	.	3.0	8.8	2.8	2.5	.8	19%
Specialists	18.3	.8	2.4	6.0	1.0	4.5	3.6	44%
Orleans County								
Primary Care	19.9	3.0	4.9	5.1	2.0	4.9	<.05	25%
Specialists	19.6	.	8.0	7.9	.9	2.1	.7	14%
Rutland County								
Primary Care	39.7	.	12.3	17.3	4.0	2.1	4.0	15%
Specialists	74.9	4.9	19.7	29.3	13.5	4.3	3.2	10%
Washington County								
Primary Care	45.9	5.8	5.7	13.7	12.4	7.4	1.0	18%
Specialists	66.3	4.8	10.3	25.8	11.4	8.8	5.2	21%
Windham County								
Primary Care	42.9	1.0	10.1	15.0	5.0	6.2	5.6	27%
Specialists	52.3	1.0	7.1	14.7	11.6	8.9	8.2	33%
Windsor County								
Primary Care	47.3	2.1	9.6	18.0	7.0	4.2	6.5	22%
Specialists	58.9	2.0	15.1	17.2	11.2	9.4	4.1	23%

The 'Total' column includes 1.7 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, 2008  
 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		1651 1316.3 61926	660 498.2 22897	1077 818.1 39028
Addison County		93 54.5 2495	46 32.7 1465	51 21.8 1030
Bennington County		120 91.3 4269	39 31.0 1538	82 60.4 2731
Caledonia County		71 43.5 1960	28 21.0 930	51 22.5 1030
Chittenden County		662 519.7 24872	210 150.3 6744	485 369.4 18128
Essex County		2 1.5 73	2 1.5 73	. . .
Franklin County		91 61.8 2999	36 28.9 1374	59 32.8 1625
Grand Isle County		3 1.2 46	3 1.2 46	. . .
Lamoille County		67 38.9 1896	23 17.9 867	49 21.0 1028
Orange County		69 36.3 1575	26 18.0 784	46 18.3 791
Orleans County		56 39.5 1805	23 19.9 963	34 19.6 842
Rutland County		162 114.7 5587	52 39.7 1902	115 74.9 3684
Washington County		164 112.2 5094	55 45.9 2015	111 66.3 3080
Windham County		145 95.1 4490	60 42.9 2079	90 52.3 2411
Windsor County		181 106.2 4766	83 47.3 2118	108 58.9 2648

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, 2008  
 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	660 498.2 22897	291 223.9 10080	190 126.5 5913	78 62.5 3167	115 85.3 3738
Addison County	46 32.7 1465	24 16.9 759	8 5.7 246	5 3.8 204	9 6.3 256
Bennington County	39 31.0 1538	22 16.3 757	8 7.0 370	5 3.8 223	4 3.9 189
Caledonia County	28 21.0 930	13 8.8 408	10 6.5 282	2 2.0 80	5 3.7 160
Chittenden County	210 150.3 6744	83 58.7 2514	58 40.1 1840	32 24.4 1184	38 27.0 1206
Essex County	2 1.5 73	1 .7 29	1 .6 31	. . . .	1 .2 13
Franklin County	36 28.9 1374	12 8.7 418	9 7.4 360	4 4.0 204	11 8.8 392
Grand Isle County	3 1.2 46	3 1.2 46	. . . .	. . . .	. . . .
Lamoille County	23 17.9 867	17 13.3 634	3 1.6 105	2 1.9 76	1 1.0 52
Orange County	26 18.0 784	10 6.7 302	6 3.7 176	4 2.3 95	9 5.2 211
Orleans County	23 19.9 963	8 7.0 351	10 6.7 293	3 3.0 158	4 3.3 161
Rutland County	52 39.7 1902	28 21.7 961	12 7.9 459	7 5.2 280	7 4.9 202
Washington County	55 45.9 2015	28 22.8 1020	14 11.7 508	6 4.5 201	8 6.9 285
Windham County	60 42.9 2079	29 22.9 1113	18 9.9 449	4 3.6 238	9 6.5 279
Windsor County	83 47.3 2118	26 18.2 770	39 17.7 794	8 3.9 223	11 7.6 332

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, 2008  
 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	1077 818.1 39028	100 85.5 4173	113 80.7 3377	239 172.8 8512	45 29.6 1350	46 35.3 1669	177 129.9 5777
Addison County	51 21.8 1030	1 1.0 54	10 6.0 262	14 3.4 180	2 .2 8	4 1.1 66	4 1.9 84
Bennington County	82 60.4 2731	4 4.0 192	11 9.6 391	22 18.5 857	5 3.4 138	6 2.5 102	7 3.9 185
Caledonia County	51 22.5 1030	1 1.0 40	11 4.1 190	12 2.1 96	. . . . .	2 1.8 75	6 2.7 109
Chittenden County	485 369.4 18128	48 43.6 2195	23 16.8 704	116 84.9 4268	25 17.1 786	19 15.1 772	72 48.1 2083
Essex County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Franklin County	59 32.8 1625	6 5.7 285	10 6.9 286	15 2.7 147	2 .2 10	2 1.0 61	4 3.4 135
Grand Isle County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Lamoille County	49 21.0 1028	9 4.1 201	6 4.7 205	12 2.3 127	2 1.0 54	1 .2 8	6 2.3 111
Orange County	46 18.3 791	3 2.4 104	9 4.4 179	10 2.3 98	3 .9 34	2 1.3 52	10 3.5 147
Orleans County	34 19.6 842	2 2.0 82	5 4.7 204	5 2.5 110	1 .9 40	2 1.3 53	9 2.9 114
Rutland County	115 74.9 3684	9 5.7 288	20 10.9 436	29 20.6 1036	2 2.0 95	7 3.8 184	12 6.6 290
Washington County	111 66.3 3080	7 5.3 254	14 8.4 340	21 12.4 565	8 2.3 108	6 2.6 107	28 18.0 856
Windham County	90 52.3 2411	6 4.1 182	6 2.6 115	15 7.9 365	2 1.4 68	2 1.4 66	27 19.9 944
Windsor County	108 58.9 2648	11 6.7 296	3 1.6 66	26 13.2 663	2 .2 9	3 3.0 124	32 16.7 719

(continued on next page)

Table 14 (continued) -- VT Physicians, 2008  
 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	1077 818.1 39028	52 46.7 2460	74 59.6 2908	41 33.2 1834	22 21.4 1240	186 123.4 5729
Addison County	51 21.8 1030	3 2.3 98	2 2.0 114	. . . . .	2 .8 34	9 3.2 130
Bennington County	82 60.4 2731	5 5.0 282	6 5.8 232	4 2.4 122	1 1.0 40	13 4.2 191
Caledonia County	51 22.5 1030	3 3.0 158	2 2.0 100	1 .5 40	2 1.2 52	11 4.0 171
Chittenden County	485 369.4 18128	19 14.8 788	29 24.0 1203	26 21.6 1221	12 8.2 541	107 75.2 3566
Essex County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Franklin County	59 32.8 1625	4 4.0 238	3 3.0 140	. . . . .	6 2.2 152	7 3.7 171
Grand Isle County	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Lamoille County	49 21.0 1028	2 2.0 105	4 2.9 159	. . . . .	1 .2 10	6 1.2 50
Orange County	46 18.3 791	3 2.0 91	1 .9 60	. . . . .	1 .5 21	4 .1 6
Orleans County	34 19.6 842	. . . . .	4 1.3 54	2 2.0 96	. . . . .	5 2.1 90
Rutland County	115 74.9 3684	3 2.5 159	7 6.1 314	6 3.6 207	1 1.0 80	20 12.2 596
Washington County	111 66.3 3080	5 5.0 253	7 4.1 184	2 1.1 68	2 1.8 90	11 5.4 255
Windham County	90 52.3 2411	3 3.0 138	14 4.6 213	2 1.0 40	2 1.9 78	13 4.5 201
Windsor County	108 58.9 2648	4 3.3 150	4 3.1 136	1 1.0 40	3 2.5 142	19 7.6 303

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

Table 15 -- VT Physicians, 2008  
 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	498.19	621,270	80.19	1,247
Addison County	32.70	36,617	89.31	1,120
Bennington County	30.96	36,382	85.09	1,175
Caledonia County	21.01	30,470	68.97	1,450
Chittenden County	150.29	152,782	98.37	1,017
Essex County	1.53	6,500	23.59	4,238
Franklin County	28.94	47,949	60.35	1,657
Grand Isle County	1.15	7,729	14.91	6,709
Lamoille County	17.85	24,833	71.90	1,391
Orange County	17.98	28,917	62.17	1,608
Orleans County	19.93	27,189	73.31	1,364
Rutland County	39.71	63,331	62.70	1,595
Washington County	45.92	58,829	78.06	1,281
Windham County	42.88	43,176	99.31	1,007
Windsor County	47.33	56,566	83.67	1,195

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.

In this table physicians may be counted more than once (Note 4).

Population estimates are for July 2008, from the Census Bureau (see Note 7).

Table 16 -- VT Physicians, 2008  
Full Time Equivalents (FTEs) by Practice Setting by Specialty

Care Setting	FTEs in Primary Care Specialty			
	Family	Internal Medicine	Ob/Gyn	Pediatric
TOTAL, all settings	223.9	126.5	62.5	85.3
Office, incl hosp	145.4	77.7	58.6	72.6
Office, w/o hosp	70.8	43.7	3.8	12.5
Hospital-based	.	.	.	.
Hospitalist	.	.	.	.
Student health ctr	2.9	.1	.	.3
Business/work site	.2	.	.	.
Extended care	3.2	3.1	<.05	.
Other	1.4	1.9	.	.

Care Setting	FTEs in Specialty					
	Anesthe- siology	Emergency Medicine	Internal Medicine	General Surgery	Orthop. Surgery	Other Surgery
TOTAL, all settings	85.5	80.7	172.8	46.7	59.6	33.2
Office, incl hosp	23.6	4.6	105.2	43.1	49.4	26.2
Office, w/o hosp	4.3	2.2	11.7	1.6	5.8	2.6
Hospital-based	56.4	73.8	18.8	2.1	2.9	4.1
Hospitalist	1.0	.1	37.1	.	1.0	.3
Student health ctr	.	.	.	.	.	.
Business/work site	.	.	.	.	.5	.
Extended care	.	.	.	.	.	.
Other	.3	.	.	.	<.05	.

Care Setting	FTEs in Specialty	
	Psychiatry	Other Specialties
TOTAL, all settings	129.9	209.7
Office, incl hosp	26.3	135.5
Office, w/o hosp	75.5	47.0
Hospital-based	10.9	13.1
Hospitalist	11.4	12.6
Student health ctr	.8	.6
Business/work site	.2	.9
Extended care	3.0	.
Other	1.9	.

All worksites of each physician 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, 2008  
Detailed Specialty List

SPECIALTY GROUP Specialty	Number of Physicians	FTEs
--- PRIMARY CARE ---		
FAMILY PRACTICE		
Adolescent Medicine (FP)	3	1.2
Family Practice	257	202.5
General Practice	18	10.5
Geriatric Family Medicine	9	4.3
Osteopathic Medicine (general)	10	5.5
INTERNAL MEDICINE (PRIMARY)		
Geriatric Internal Medicine	11	4.2
Internal Medicine	188	122.3
OB/GYN		
Gynecology	15	9.7
Obstetrics & Gynecology	64	52.8
PEDIATRICS (PRIMARY)		
Adolescent Medicine (Pediatrics)	12	2.9
Pediatrics (general)	113	82.4
--- SPECIALTY CARE ---		
ANESTHESIOLOGY		
Anesthesiology	91	74.4
Critical Care Medicine (Anesthes.)	4	1.3
Pain Management	19	9.4
Pain Medicine	2	.5
EMERGENCY MEDICINE		
Emergency Medicine	112	80.3
Emergency Medicine: Sports	1	.4
INTERNAL MEDICINE (SPECIALTY)		
Adolescent Medicine (subspecialty)	1	1.0
Cardiac Electrophysiology	5	4.1
Cardiovascular Disease	49	37.5
Critical Care Internal Medicine	15	7.5
Endocrinology Diabetes & Metabol.	13	7.8
Gastroenterology	25	20.5
Hematology (Internal Medicine)	19	6.0
Infectious Disease	13	7.9
Internal Medicine (subspecialty)	51	35.6
Internal Medicine: Sports	1	.1
Interventional Cardiology	3	1.1
Medical Oncology	28	18.0
Nephrology	6	5.8
Pulmonary Disease	19	8.1
Rheumatology	14	8.5
Sleep Medicine (IM)	8	3.2
Transplant Hepatology (IM)	1	.1
NEUROLOGY		
Child Neurology	4	1.7
Clinical Neurophysiology	8	3.0
Neurology	33	22.1
Psychosomatic Medicine	3	2.0
Sleep Medicine (psych/neuro)	6	.8

(continued on next page)

Table 17 -- VT Physicians, 2008  
Detailed Specialty List (continued)

SPECIALTY GROUP Specialty	Number of Physicians	FTEs
OPHTHALMOLOGY		
Ophthalmology	45	34.3
Pediatric Ophthalmology	2	1.0
PATHOLOGY		
Anatomic & Clinical Pathology	17	.
Anatomic Pathology	13	.
Blood Banking/Transfusion Medicine	1	.
Chemical Pathology	1	.
Clinical Pathology	4	.
Cytopathology	2	.
Dermatopathology	8	.
Forensic Pathology	1	.
Hematology (Pathology)	4	.
Medical Microbiology	1	.
Molecular Genetic Pathology	1	.
Neuropathology	1	.
Pathology	8	.
Pediatric Pathology	2	.
PSYCHIATRY		
Addiction Medicine	7	2.7
Addiction Psychiatry	9	2.8
Child & Adolescent Psychiatry	32	15.0
Forensic Psychiatry	5	1.9
Geriatric Psychiatry	7	1.2
Psychiatry	147	105.0
Psychoanalysis	4	1.4
RADIOLOGY		
Diagnostic Radiology	98	.
Neuroradiology	8	.
Nuclear Radiology	2	.
Pediatric Radiology	1	.
Radiation Oncology	12	.
Radiology	11	.
Vascular/Interventional Radiology	5	.
SURGERY: GENERAL		
General Surgery	52	46.7
SURGERY: ORTHOPEDIC		
Adult Reconstructive Orthopedics	2	2.0
Hand Surgery (Orthopedic)	9	7.4
Orthopedic Surgery	54	38.2
Orthopedic Surgery Of The Spine	6	5.8
Orthopedic Surgery: Sports	5	2.7
Orthopedic Trauma	2	2.0
Pediatric Orthopedics	2	1.3
Traumatic Surgery	2	.3
SURGERY: OTHER		
Abdominal Surgery	11	8.4
Cardiovascular Surgery	4	3.3
Colon & Rectal Surgery	2	1.4
General Vascular Surgery	6	4.5
Head & Neck Surgery	1	1.0

(continued on next page)

Table 17 -- VT Physicians, 2008  
Detailed Specialty List (continued)

SPECIALTY GROUP Specialty	Number of Physicians	FTEs
Neurological Surgery	10	8.2
Oral & Maxillofacial Surgery	3	2.4
Pediatric Surgery	1	1.0
Surgery Of The Hand	1	.4
Surgical Critical Care	2	2.0
Thoracic Surgery	2	.6
UROLOGY		
Pediatric Urology	1	1.0
Urology	21	20.4
OTHER SPECIALTIES		
Acupuncture	1	.1
Allergy	4	1.8
Allergy & Immunology	8	4.9
Child Abuse Medicine	1	.4
Clinical Genetics	3	1.8
Clinical Molecular Genetics	1	<.05
Critical Care Medicine	2	1.1
Dermatology	21	17.0
Dermatopathology (Dermatology)	2	1.1
Develop-Behav Pediatrics	7	3.3
Family Medicine: Sports	9	5.3
Family Practice (subspecialty)	16	6.6
General Practice (in hospital)	1	1.0
Geriatric Medicine (subspecialty)	1	<.05
Gynecologic Oncology	3	3.0
Hand Surgery (Plastic)	1	.3
Hepatology	1	.5
Homeopathic Medicine	1	.5
Immunology: Clinical & Laboratory	1	.1
Maternal & Fetal Medicine	10	5.3
Neonatal-perinatal Medicine	5	3.2
Neurodevelopmental Disabilities	2	1.3
Nutrition	1	.2
Ob/Gyn (subspecialty)	1	.5
Occupational Medicine	12	5.8
Otolaryngology	18	13.3
Otology/neurotology	2	2.0
Pain Medicine (PM)	3	1.4
Palliative Care	1	.5
Pediatric Cardiology	4	3.1
Pediatric Critical Care Medicine	5	3.6
Pediatric Endocrinology	2	2.0
Pediatric Gastroenterology	2	1.3
Pediatric Hematology-oncology	3	3.0
Pediatric Infectious Disease	2	.9
Pediatric Nephrology	1	1.0
Pediatric Otolaryngology	2	1.8
Pediatric Pulmonology	2	1.0
Pediatric Sports Medicine	1	.2
Pediatrics (subspecialty)	7	2.0
Phlebology	2	.9
Physical Medicine & Rehabilitation	15	9.5
Plastic Surgery	7	5.8
Plastic Surgery within Head & Neck	2	.7
Preventive Medicine	2	.9
Reproductive Endocrinology	4	2.0
Sleep Medicine	1	.7
Sleep Medicine (pediatric)	1	1.0

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



# Vermont Physician Practice Characteristics



Table 18 -- VT Physicians, 2008  
Practice Setting by Specialty

Care Setting	Number in Primary Care Specialty			
	Family	Internal Medicine	Ob/Gyn	Pediatric
TOTAL, all settings	279	175	75	105
Office, incl hosp	174	97	69	85
Office, w/o hosp	95	72	6	19
Hospital-based	.	.	.	.
Hospitalist	.	.	.	.
Student health ctr	4	.	.	1
Business/work site	.	.	.	.
Extended care	4	2	.	.
Tele-medicine	.	.	.	.
Other	2	4	.	.

Care Setting	Number in Specialty					
	Anesthe- siology	Emergency Medicine	Internal Medicine	General Surgery	Orthop. Surgery	Other Surgery
TOTAL, all settings	97	108	217	50	72	40
Office, incl hosp	27	8	134	44	52	29
Office, w/o hosp	5	7	19	3	17	4
Hospital-based	64	93	22	3	2	5
Hospitalist	1	.	42	.	.	2
Student health ctr	.	.	.	.	.	.
Business/work site	.	.	.	.	.	.
Extended care	.	.	.	.	.	.
Tele-medicine	.	.	.	.	.	.
Other	.	.	.	.	1	.

Care Setting	Number in Specialty			
	Psychiatry	Radiology	Pathology	Other Specialties
TOTAL, all settings	172	129	53	261
Office, incl hosp	35	14	2	155
Office, w/o hosp	104	5	.	73
Hospital-based	13	65	48	16
Hospitalist	12	.	.	14
Student health ctr	1	.	.	1
Business/work site	.	.	.	2
Extended care	2	.	.	.
Tele-medicine	.	45	1	.
Other	5	.	2	.

Each physician 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, 2008  
Practice Setting by Age

Care Setting	Total	Number in Age Group						
		<35	35-44	45-54	55-59	60-64	65+	
TOTAL, all settings	1833 (100%)	80	470	676	259	185	161	
Office, incl hosp	925 ( 50%)	38	252	348	124	97	65	
Office, w/o hosp	429 ( 23%)	14	70	146	79	51	69	
Hospital-based	331 ( 18%)	13	93	132	44	27	21	
Hospitalist	71 ( 4%)	10	28	23	4	3	3	
Student health center	7 ( 0%)	.	4	2	.	.	1	
Business or work site	2 ( 0%)	.	.	1	1	.	.	
Extended care	8 ( 0%)	.	3	1	2	2	.	
Tele-medicine	46 ( 3%)	4	20	18	2	2	.	
Other	14 ( 1%)	1	.	5	3	3	2	

Each physician is counted once in this table,  
in their main practice setting.  
The 'Total' column includes 2 physicians with unknown ages.  
See Note 1 for a description of the calculation of age.

Table 20 -- VT Physicians, 2008  
Practice Setting by Gender

Care Setting	Total	Males		Females	
		Count	(%)	Count	(%)
TOTAL, all settings	1833	1256	(100%)	577	(100%)
Office, incl hosp	925	626	( 50%)	299	( 52%)
Office, w/o hosp	429	276	( 22%)	153	( 27%)
Hospital-based	331	251	( 20%)	80	( 14%)
Hospitalist	71	43	( 3%)	28	( 5%)
Student health center	7	5	( 0%)	2	( 0%)
Business or work site	2	2	( 0%)	0	( 0%)
Extended care	8	5	( 0%)	3	( 1%)
Tele-medicine	46	38	( 3%)	8	( 1%)
Other	14	10	( 1%)	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, 2008  
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	1651	38	38	39	38	28	56%
PRIMARY CARE	634	37	35	38	39	31	51%
Family Practice	279	37	34	38	39	30	50%
Internal Medicine	175	36	33	36	39	32	47%
Ob/Gyn	75	43	44	45	40	39	67%
Pediatrics	105	35	33	37	37	25	50%
SPECIALTY CARE	1017	38	40	39	38	26	59%
Anesthesiology	97	43	45	41	41	.	78%
Emergency Medicine	108	31	31	34	27	27	34%
Internal Medicine	217	38	36	41	38	35	57%
Neurology	41	34	37	38	39	16	54%
Ophthalmology	46	36	41	39	37	24	57%
Psychiatry	172	33	34	33	38	22	51%
Surgery: General	50	49	59	47	41	42	84%
Surgery: Orthopedic	72	40	40	41	47	14	67%
Surgery: Other	40	46	52	45	47	33	80%
Urology	22	56	60	60	43	.	91%
Other Specialties	152	36	41	36	35	24	55%

Average hours 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 2 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, 2008  
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+	
MALES:							
ALL SPECIALTIES	1118	39	40	41	40	28	62%
PRIMARY CARE	351	40	38	41	41	32	60%
Family Practice	166	39	38	40	41	30	60%
Internal Medicine	111	40	36	42	43	33	60%
Ob/Gyn	33	43	43	59	39	39	67%
Pediatrics	41	37	36	39	40	25	59%
SPECIALTY CARE	767	39	41	41	39	26	62%
Anesthesiology	70	44	45	44	43	.	83%
Emergency Medicine	89	32	31	35	27	27	38%
Internal Medicine	157	40	40	43	38	35	63%
Neurology	30	36	41	45	40	16	60%
Ophthalmology	40	35	38	39	38	24	55%
Psychiatry	111	34	34	33	39	21	55%
Surgery: General	43	50	58	50	45	42	88%
Surgery: Orthopedic	64	39	38	41	47	14	66%
Surgery: Other	37	46	52	45	47	33	78%
Urology	19	57	60	61	43	.	95%
Other Specialties	107	36	41	37	35	25	53%
FEMALES:							
ALL SPECIALTIES	533	34	36	34	33	29	44%
PRIMARY CARE	283	34	34	34	32	26	39%
Family Practice	113	33	32	34	32	.	35%
Internal Medicine	64	28	31	26	27	25	23%
Ob/Gyn	42	43	45	42	45	.	67%
Pediatrics	64	34	32	37	32	.	44%
SPECIALTY CARE	250	35	38	33	34	31	49%
Anesthesiology	27	39	44	35	.	.	67%
Emergency Medicine	19	29	30	26	27	.	16%
Internal Medicine	60	33	32	33	41	.	42%
Neurology	11	31	30	28	.	.	36%
Ophthalmology	6	43	.	37	.	.	67%
Psychiatry	61	33	35	33	33	34	44%
Surgery: General	7	40	61	27	.	.	57%
Surgery: Orthopedic	8	50	51	47	.	.	75%
Surgery: Other	3	51	.	.	.	.	100%
Urology	3	49	.	.	.	.	67%
Other Specialties	45	37	42	34	36	.	60%

Average hours 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 2 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, 2008  
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	634	37	35	38	39	31	51%
Specialists	1017	38	40	39	38	26	59%
Addison County							
Primary Care	46	34	30	33	42	30	43%
Specialists	26	36	31	40	30	.	46%
Bennington County							
Primary Care	38	41	32	48	42	28	66%
Specialists	72	38	41	33	39	33	56%
Caledonia County							
Primary Care	26	38	34	37	42	.	46%
Specialists	31	31	35	26	35	32	45%
Chittenden County							
Primary Care	192	36	36	36	37	23	50%
Specialists	441	42	45	42	41	27	66%
Essex County							
Primary Care	2	.	.	.	.	.	50%
Specialists	0	.	.	.	.	.	
Franklin County							
Primary Care	32	43	42	40	50	50	69%
Specialists	34	44	44	47	31	.	71%
Grand Isle County							
Primary Care	2	.	.	.	.	.	0%
Specialists	0	.	.	.	.	.	
Lamoille County							
Primary Care	22	42	46	44	37	.	50%
Specialists	25	39	41	29	50	.	60%
Orange County							
Primary Care	26	30	24	40	26	.	35%
Specialists	27	29	26	30	35	24	41%
Orleans County							
Primary Care	20	48	47	53	45	.	90%
Specialists	23	36	44	39	26	.	65%
Rutland County							
Primary Care	44	42	35	46	49	43	57%
Specialists	95	38	41	42	37	19	61%
Washington County							
Primary Care	51	40	38	40	40	.	59%
Specialists	81	37	35	36	40	31	56%
Windham County							
Primary Care	56	38	35	37	43	38	45%
Specialists	74	33	21	33	42	30	49%
Windsor County							
Primary Care	77	29	27	30	33	22	38%
Specialists	88	28	32	31	28	15	45%

Average hours 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).  
'Total' & 'all ages' columns include 2 physicians with unknown ages.  
Pathologists and radiologists are excluded from this table (Note 3).

Table 24 -- VT Physicians, 2008  
 Plan to Retire, Leave, or Reduce Hours Within 5 Years

Specialty	Total Physicians	Plan to Retire or Leave VT (%)	Plan to Reduce Hours (%)
TOTAL	1833	12%	10%
PRIMARY CARE	634	13%	13%
Family Practice	279	10%	14%
Internal Medicine	175	16%	13%
Ob/Gyn	75	19%	10%
Pediatrics	105	10%	13%
SPECIALTY CARE	1199	12%	8%
Anesthesiology	97	15%	16%
Emergency Medicine	108	9%	9%
Internal Medicine	217	11%	8%
Neurology	41	10%	8%
Ophthalmology	46	13%	7%
Pathology	53	13%	2%
Psychiatry	172	11%	10%
Radiology	129	10%	3%
Surgery: General	50	7%	13%
Surgery: Orthopedic	72	19%	9%
Surgery: Other	40	8%	14%
Urology	22	14%	5%
Other Specialties	152	12%	7%

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.

164 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, 2008  
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	1344	89%	93%	80%	93%	81%
PRIMARY CARE	618	80%	93%	69%	93%	69%
Family Practice	269	78%	93%	66%	95%	71%
Internal Medicine	170	65%	88%	44%	89%	52%
Ob/Gyn	75	99%	99%	96%	97%	96%
Pediatrics	104	97%	100%	96%	n.a.	n.a.
SPECIALTY CARE	726	97%	93%	90%	92%	90%
Anesthesiology	41	100%	100%	100%	100%	100%
Internal Medicine	158	98%	99%	96%	99%	95%
Neurology	38	97%	100%	100%	100%	100%
Ophthalmology	46	100%	100%	98%	100%	100%
Psychiatry	144	89%	81%	75%	75%	68%
Surgery: General	47	100%	100%	100%	100%	100%
Surgery: Orthopedic	70	100%	93%	94%	93%	91%
Surgery: Other	33	100%	100%	97%	100%	100%
Urology	22	95%	95%	91%	100%	95%
Other Specialties	127	98%	87%	82%	89%	88%

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.

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

Table 26 -- VT Physicians, 2008  
Practice Availability by Specialty - FTEs

Specialty	FTEs	Accept New Patients	Participate in Medicaid	Accept New Medicaid Patients	Participate in Medicare	Accept New Medicare Patients
		(%)	(%)	(%)	(%)	(%)
TOTAL	1042.9	90%	95%	81%	96%	83%
PRIMARY CARE	488.5	80%	96%	70%	96%	70%
Family Practice	216.6	77%	95%	66%	97%	73%
Internal Medicine	124.9	63%	94%	44%	94%	52%
Ob/Gyn	63.0	99%	100%	96%	98%	98%
Pediatrics	84.0	98%	100%	97%	n.a.	n.a.
SPECIALTY CARE	554.3	98%	95%	92%	95%	93%
Anesthesiology	27.6	100%	100%	100%	100%	100%
Internal Medicine	115.9	99%	100%	97%	100%	96%
Neurology	26.6	100%	100%	100%	100%	100%
Ophthalmology	34.8	100%	100%	97%	100%	100%
Psychiatry	102.0	91%	83%	76%	78%	72%
Surgery: General	44.2	100%	100%	100%	100%	100%
Surgery: Orthopedic	55.0	100%	99%	100%	99%	97%
Surgery: Other	29.0	100%	100%	96%	100%	100%
Urology	21.4	96%	95%	91%	100%	96%
Other Specialties	97.7	100%	89%	84%	92%	92%

Only office settings are included.

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

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, 2008  
Practice Availability by County

County	Offices	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)
STATEWIDE TOTAL				
Primary Care	672	80%	69%	68%
Specialists	926	96%	89%	89%
Addison County				
Primary Care	44	93%	81%	81%
Specialists	32	97%	94%	97%
Bennington County				
Primary Care	37	70%	58%	53%
Specialists	59	98%	83%	84%
Caledonia County				
Primary Care	27	96%	93%	91%
Specialists	31	100%	93%	96%
Chittenden County				
Primary Care	209	78%	67%	69%
Specialists	388	97%	92%	93%
Essex County				
Primary Care	2	100%	100%	100%
Specialists	0			
Franklin County				
Primary Care	37	89%	75%	76%
Specialists	40	100%	95%	95%
Grand Isle County				
Primary Care	2	100%	100%	100%
Specialists	0			
Lamoille County				
Primary Care	24	75%	70%	70%
Specialists	33	97%	97%	97%
Orange County				
Primary Care	27	96%	96%	95%
Specialists	29	90%	86%	91%
Orleans County				
Primary Care	23	70%	61%	60%
Specialists	22	100%	95%	86%
Rutland County				
Primary Care	52	85%	75%	72%
Specialists	73	99%	89%	93%
Washington County				
Primary Care	54	52%	49%	44%
Specialists	71	93%	89%	88%
Windham County				
Primary Care	57	77%	68%	68%
Specialists	66	94%	83%	83%
Windsor County				
Primary Care	77	88%	64%	61%
Specialists	82	91%	69%	65%

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.  
See Note 10 regarding tabulation of availability.

Table 28 -- VT Physicians, 2008  
Main and Secondary Specialties

Specialty	Main Specialty		Secondary Specialty	
	Number	Percent	Number	Percent
TOTAL	1833	100%	121	100%
PRIMARY CARE	634	35%	40	33%
Family Practice	279	15%	12	10%
Internal Medicine	175	10%	15	12%
Ob/Gyn	75	4%	3	2%
Pediatrics	105	6%	10	8%
SPECIALTY CARE	1199	65%	81	67%
Anesthesiology	97	5%	3	2%
Emergency Medicine	108	6%	5	4%
Internal Medicine	217	12%	22	18%
Neurology	41	2%	4	3%
Ophthalmology	46	3%	0	0%
Pathology	53	3%	3	2%
Psychiatry	172	9%	5	4%
Radiology	129	7%	0	0%
Surgery: General	50	3%	2	2%
Surgery: Orthopedic	72	4%	2	2%
Surgery: Other	40	2%	1	1%
Urology	22	1%	0	0%
Other Specialties	152	8%	34	28%

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, 2008  
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	1833	80	470	676	259	185	161	19%
Primary Care	634	30	151	236	97	69	51	19%
Specialists	1199	50	319	440	162	116	110	19%
Barre								
Primary Care	51	6	7	15	14	8	1	18%
Specialists	90	5	17	32	16	11	9	22%
Bennington								
Primary Care	42	0	11	16	9	3	3	14%
Specialists	80	5	30	25	7	5	8	16%
Brattleboro								
Primary Care	42	0	10	18	3	5	6	26%
Specialists	74	1	15	21	13	9	14	32%
Burlington								
Primary Care	203	13	62	70	31	18	9	13%
Specialists	512	23	140	205	60	45	39	16%
Middlebury								
Primary Care	45	1	9	21	2	6	6	27%
Specialists	32	2	9	12	4	3	2	16%
Morrisville								
Primary Care	20	0	4	5	8	2	1	15%
Specialists	43	2	15	14	3	6	3	21%
Newport								
Primary Care	21	3	5	6	2	5	0	24%
Specialists	27	0	10	10	2	3	2	19%
Randolph								
Primary Care	20	0	3	5	6	4	2	30%
Specialists	23	2	3	9	1	4	4	35%
Rutland								
Primary Care	44	0	15	18	4	2	5	16%
Specialists	108	5	27	40	20	6	10	15%
Springfield								
Primary Care	31	1	4	11	5	6	4	32%
Specialists	31	1	8	8	6	5	3	26%
St. Albans								
Primary Care	29	2	4	15	4	0	4	14%
Specialists	49	2	9	30	5	2	0	4%
St. Johnsbury								
Primary Care	24	0	3	12	3	5	1	25%
Specialists	41	0	14	13	7	3	4	17%
White River Jct								
Primary Care	62	4	14	24	6	5	9	23%
Specialists	80	1	19	17	18	13	12	31%

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 2 physicians with unknown ages (see Note 1). The 'Total' lines include 9 physicians with undefined locations.

Table 30 -- VT Physicians, 2008  
 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		1651 1316.3 61926	660 498.2 22897	1077 818.1 39028
Barre		164 112.2 5094	55 45.9 2015	111 66.3 3080
Bennington		125 95.6 4464	43 35.0 1724	83 60.6 2740
Brattleboro		129 80.4 3775	49 31.2 1521	85 49.2 2254
Burlington		671 526.4 25164	220 157.0 7036	485 369.4 18128
Middlebury		92 54.2 2482	45 32.4 1452	51 21.8 1030
Morrisville		65 38.5 1891	21 17.3 858	50 21.1 1032
Newport		56 40.3 1849	24 20.7 1007	34 19.6 842
Randolph		55 29.9 1267	20 13.7 567	38 16.2 700
Rutland		162 114.7 5587	52 39.7 1902	115 74.9 3684
Springfield		65 46.1 2276	32 24.5 1244	35 21.6 1032
St. Albans		89 59.7 2890	34 26.8 1265	59 32.8 1625
St. Johnsbury		69 41.5 1868	26 19.1 842	50 22.4 1026
White River Jct		146 77.0 3319	66 34.7 1464	89 42.2 1854

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, 2008  
 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	660 498.2 22897	291 223.9 10080	190 126.5 5913	78 62.5 3167	115 85.3 3738
Barre	55 45.9 2015	28 22.8 1020	14 11.7 508	6 4.5 201	8 6.9 285
Bennington	43 35.0 1724	25 19.3 902	9 8.0 410	5 3.8 223	4 3.9 189
Brattleboro	49 31.2 1521	22 15.5 753	15 7.2 322	4 3.6 238	8 4.9 207
Burlington	220 157.0 7036	91 63.3 2697	60 42.2 1949	32 24.4 1184	38 27.0 1206
Middlebury	45 32.4 1452	24 16.9 759	7 5.3 234	5 3.8 204	9 6.3 256
Morrisville	21 17.3 858	14 12.1 597	4 2.3 133	2 1.9 76	1 1.0 52
Newport	24 20.7 1007	8 7.0 351	11 7.2 324	3 3.0 158	5 3.5 174
Randolph	20 13.7 567	8 5.5 236	5 2.6 104	3 2.2 87	6 3.5 140
Rutland	52 39.7 1902	28 21.7 961	12 7.9 459	7 5.2 280	7 4.9 202
Springfield	32 24.5 1244	14 11.3 533	7 5.5 292	6 3.4 204	6 4.4 216
St. Albans	34 26.8 1265	11 8.4 405	8 5.7 264	4 4.0 204	11 8.8 392
St. Johnsbury	26 19.1 842	12 7.6 349	9 5.8 254	2 2.0 80	5 3.7 160
White River Jct	66 34.7 1464	20 12.5 517	34 15.1 661	3 .7 28	10 6.5 259

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, 2008  
 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	1077 818.1 39028	100 85.5 4173	113 80.7 3377	239 172.8 8512	45 29.6 1350	46 35.3 1669	177 129.9 5777
Barre	111 66.3 3080	7 5.3 254	14 8.4 340	21 12.4 565	8 2.3 108	6 2.6 107	28 18.0 856
Bennington	83 60.6 2740	4 4.0 192	11 9.6 391	22 18.5 857	5 3.4 138	6 2.5 102	7 3.9 185
Brattleboro	85 49.2 2254	6 4.1 182	5 2.6 114	15 7.9 365	2 1.4 68	2 1.4 66	24 17.1 797
Burlington	485 369.4 18128	48 43.6 2195	23 16.8 704	116 84.9 4268	25 17.1 786	19 15.1 772	72 48.1 2083
Middlebury	51 21.8 1030	1 1.0 54	10 6.0 262	14 3.4 180	2 .2 8	4 1.1 66	4 1.9 84
Morrisville	50 21.1 1032	9 4.1 201	6 4.7 205	13 2.4 131	2 1.0 54	1 .2 8	6 2.3 111
Newport	34 19.6 842	2 2.0 82	5 4.7 204	5 2.5 110	1 .9 40	2 1.3 53	9 2.9 114
Randolph	38 16.2 700	3 2.4 104	9 4.4 179	9 2.2 94	2 .9 34	2 1.3 52	5 1.5 61
Rutland	115 74.9 3684	9 5.7 288	20 10.9 436	29 20.6 1036	2 2.0 95	7 3.8 184	12 6.6 290
Springfield	35 21.6 1032	3 3.0 120	2 1.2 51	6 3.3 199	1 .2 8	1 1.0 40	10 4.7 240
St. Albans	59 32.8 1625	6 5.7 285	10 6.9 286	15 2.7 147	2 .2 10	2 1.0 61	4 3.4 135
St. Johnsbury	50 22.4 1026	1 1.0 40	11 4.1 190	11 2.0 92	. . . .	2 1.8 75	6 2.7 109
White River Jct	89 42.2 1854	8 3.7 176	2 .4 15	21 10.0 468	2 <.05 1	2 2.0 84	30 16.9 712

(continued on next page)

Table 32 (continued) -- VT Physicians, 2008  
 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	1077 818.1 39028	52 46.7 2460	74 59.6 2908	41 33.2 1834	22 21.4 1240	186 123.4 5729
Barre	111 66.3 3080	5 5.0 253	7 4.1 184	2 1.1 68	2 1.8 90	11 5.4 255
Bennington	83 60.6 2740	5 5.0 282	6 5.8 232	4 2.4 122	1 1.0 40	14 4.4 200
Brattleboro	85 49.2 2254	3 3.0 138	14 4.6 213	2 1.0 40	2 1.9 78	12 4.3 193
Burlington	485 369.4 18128	19 14.8 788	29 24.0 1203	26 21.6 1221	12 8.2 541	107 75.2 3566
Middlebury	51 21.8 1030	3 2.3 98	2 2.0 114	. . . .	2 .8 34	9 3.2 130
Morrisville	50 21.1 1032	2 2.0 105	4 2.9 159	. . . .	1 .2 10	6 1.2 50
Newport	34 19.6 842	. . . .	4 1.3 54	2 2.0 96	. . . .	5 2.1 90
Randolph	38 16.2 700	2 2.0 90	1 .9 60	. . . .	1 .5 21	4 .1 6
Rutland	115 74.9 3684	3 2.5 159	7 6.1 314	6 3.6 207	1 1.0 80	20 12.2 596
Springfield	35 21.6 1032	2 2.0 100	1 1.0 40	1 1.0 40	2 1.3 81	6 2.8 112
St. Albans	59 32.8 1625	4 4.0 238	3 3.0 140	. . . .	6 2.2 152	7 3.7 171
St. Johnsbury	50 22.4 1026	3 3.0 158	2 2.0 100	1 .5 40	2 1.2 52	11 4.0 171
White River Jct	89 42.2 1854	3 1.3 51	3 2.1 96	. . . .	2 1.2 61	16 4.8 191

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 F for the definition of Hospital Service Areas.

Table 33 -- VT Physicians, 2008  
 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	498.19	621,270	80.19	1,247
Barre	45.92	66,229	69.34	1,442
Bennington	34.99	40,009	87.46	1,143
Brattleboro	31.22	31,310	99.71	1,003
Burlington	156.98	172,098	91.21	1,096
Middlebury	32.39	28,200	114.85	871
Morrisville	17.33	27,013	64.17	1,558
Newport	20.75	28,475	72.86	1,372
Randolph	13.69	14,480	94.52	1,058
Rutland	39.71	64,132	61.91	1,615
Springfield	24.54	28,129	87.23	1,146
St. Albans	26.83	45,008	59.61	1,677
St. Johnsbury	19.13	27,588	69.35	1,442
White River Jct	34.71	48,599	71.43	1,400

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.

In this table physicians may be counted more than once (Note 4).

Population estimates are for July 2008, from the Census Bureau  
 (see Note 7).

Table 34 -- VT Physicians, 2008  
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	1833	80	470	676	259	185	161	19%
Primary Care	634	30	151	236	97	69	51	19%
Specialists	1199	50	319	440	162	116	110	19%
Champlain Valley								
Primary Care	272	16	75	104	37	21	19	15%
Specialists	597	27	162	248	69	50	40	15%
Northeast VT								
Primary Care	147	9	24	50	32	27	5	22%
Specialists	225	9	56	77	29	29	25	24%
Southern VT								
Primary Care	215	5	52	82	28	21	27	22%
Specialists	368	13	98	111	64	36	45	22%

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

The 'Total' column includes 2 physicians with unknown ages (see Note 1).  
The 'Total' lines include 9 physicians with undefined locations.

AHEC Regions are groups of Counties - see Appendix A.

Table 35 -- VT Physicians, 2008  
 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		1651	660	1077
		1316.3	498.2	818.1
		61926	22897	39028
Champlain Valley		795	291	546
		637.1	213.1	424.0
		30411	9628	20784
Northeast VT		384	152	252
		271.9	124.2	147.7
		12402	5631	6771
Southern VT		573	225	369
		407.3	160.9	246.4
		19112	7638	11474

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

Table 36 -- VT Physicians, 2008  
 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		660	291	190	78	115
		498.2	223.9	126.5	62.5	85.3
		22897	10080	5913	3167	3738
Champlain Valley		291	120	74	41	57
		213.1	85.5	53.2	32.2	42.2
		9628	3736	2446	1592	1854
Northeast VT		152	74	42	17	28
		124.2	59.4	30.8	13.8	20.3
		5631	2744	1395	610	882
Southern VT		225	101	74	23	30
		160.9	79.1	42.5	16.5	22.8
		7638	3600	2071	964	1002

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

Table 37 -- VT Physicians, 2008  
 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	1077	100	113	239	45	46	177
	818.1	85.5	80.7	172.8	29.6	35.3	129.9
	39028	4173	3377	8512	1350	1669	5777
Champlain Valley	546	53	43	123	25	20	78
	424.0	50.3	29.7	90.9	17.5	17.2	53.4
	20784	2534	1252	4596	805	899	2302
Northeast VT	252	18	39	53	13	12	49
	147.7	14.8	26.3	21.6	5.1	7.2	29.4
	6771	681	1117	995	236	294	1337
Southern VT	369	30	38	90	10	18	68
	246.4	20.4	24.7	60.3	7.0	10.8	47.1
	11474	958	1008	2921	310	476	2138

Count FTEs Hours	SPECIALTY	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
	CARE TOTAL					
STATEWIDE TOTAL	1077	52	74	41	22	186
	818.1	46.7	59.6	33.2	21.4	123.4
	39028	2460	2908	1834	1240	5729
Champlain Valley	546	26	34	26	12	117
	424.0	21.0	29.0	21.6	11.3	82.1
	20784	1124	1457	1221	727	3867
Northeast VT	252	12	15	5	5	33
	147.7	12.0	11.1	3.6	3.7	12.9
	6771	607	556	204	173	571
Southern VT	369	15	30	11	7	55
	246.4	13.7	19.6	8.0	6.4	28.5
	11474	729	895	409	340	1291

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

Table 38 -- VT Physicians, 2008  
 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	498.19	621,270	80.19	1,247
Champlain Valley	213.08	245,077	86.94	1,150
Northeast VT	124.24	176,738	70.29	1,423
Southern VT	160.87	199,455	80.66	1,240

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.

In this table physicians may be counted more than once (Note 4).

Population estimates are for July 2008, from the Census Bureau (see Note 7).

AHEC Regions are groups of Counties - see Appendix A.

Table 39 -- VT Physicians, 2008  
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	1833	80	470	676	259	185	161	19%
Primary Care	634	30	151	236	97	69	51	19%
Specialists	1199	50	319	440	162	116	110	19%
Barre								
Primary Care	51	6	7	15	14	8	1	18%
Specialists	85	5	16	31	16	9	8	20%
Bennington								
Primary Care	38	0	9	15	8	3	3	16%
Specialists	79	5	30	24	7	5	8	16%
Brattleboro								
Primary Care	46	0	12	19	4	5	6	24%
Specialists	75	1	15	22	13	9	14	31%
Burlington								
Primary Care	192	13	62	65	30	15	7	11%
Specialists	513	23	140	206	60	45	39	16%
Middlebury								
Primary Care	45	1	9	20	2	6	7	29%
Specialists	31	2	9	12	4	2	2	13%
Morrisville								
Primary Care	25	0	4	7	8	5	1	24%
Specialists	24	2	5	7	2	5	3	33%
Newport								
Primary Care	21	3	5	6	2	5	0	24%
Specialists	27	0	10	10	2	3	2	19%
Rutland								
Primary Care	45	0	15	19	4	2	5	16%
Specialists	109	5	27	40	20	7	10	16%
Springfield								
Primary Care	43	2	9	15	6	6	5	26%
Specialists	67	1	16	14	20	9	7	24%
St. Albans								
Primary Care	34	2	4	18	5	0	5	15%
Specialists	52	2	12	30	5	2	0	4%
St. Johnsbury								
Primary Care	27	0	3	15	3	5	1	22%
Specialists	56	0	21	19	8	4	4	14%
Wht Rvr Jct								
Primary Care	67	3	12	22	11	9	10	28%
Specialists	72	3	15	21	5	15	13	39%

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 2 physicians with unknown ages (see Note 1).  
The 'Total' lines include 9 physicians with undefined locations.

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

Table 40 -- VT Physicians, 2008  
 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		1651 1316.3 61926	660 498.2 22897	1077 818.1 39028
Barre		164 112.2 5094	55 45.9 2015	111 66.3 3080
Bennington		120 91.3 4269	39 31.0 1538	82 60.4 2731
Brattleboro		136 84.6 3969	54 35.3 1706	87 49.4 2263
Burlington		662 519.7 24872	210 150.3 6744	485 369.4 18128
Middlebury		93 54.5 2495	46 32.7 1465	51 21.8 1030
Morrisville		70 41.6 2016	26 20.5 983	50 21.1 1032
Newport		56 40.3 1849	24 20.7 1007	34 19.6 842
Rutland		162 114.7 5587	52 39.7 1902	115 74.9 3684
Springfield		105 69.8 3295	44 32.8 1574	63 37.0 1722
St. Albans		93 62.9 3045	38 30.1 1420	59 32.8 1625
St. Johnsbury		72 44.1 2002	29 21.8 976	50 22.4 1026
Wht Rvr Jct		152 80.6 3432	70 37.5 1567	93 43.1 1865

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, 2008  
 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	660 498.2 22897	291 223.9 10080	190 126.5 5913	78 62.5 3167	115 85.3 3738
Barre	55 45.9 2015	28 22.8 1020	14 11.7 508	6 4.5 201	8 6.9 285
Bennington	39 31.0 1538	22 16.3 757	8 7.0 370	5 3.8 223	4 3.9 189
Brattleboro	54 35.3 1706	26 18.6 899	16 8.2 362	4 3.6 238	8 4.9 207
Burlington	210 150.3 6744	83 58.7 2514	58 40.1 1840	32 24.4 1184	38 27.0 1206
Middlebury	46 32.7 1465	24 16.9 759	8 5.7 246	5 3.8 204	9 6.3 256
Morrisville	26 20.5 983	19 15.2 722	4 2.3 133	2 1.9 76	1 1.0 52
Newport	24 20.7 1007	8 7.0 351	11 7.2 324	3 3.0 158	5 3.5 174
Rutland	52 39.7 1902	28 21.7 961	12 7.9 459	7 5.2 280	7 4.9 202
Springfield	44 32.8 1574	15 12.3 575	14 9.9 469	7 3.9 223	9 6.7 307
St. Albans	38 30.1 1420	14 9.8 464	9 7.4 360	4 4.0 204	11 8.8 392
St. Johnsbury	29 21.8 976	14 9.1 415	10 6.8 314	3 2.2 88	5 3.7 160
Wht Rvr Jct	70 37.5 1567	24 15.4 644	31 12.2 528	4 2.2 88	13 7.6 307

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, 2008  
 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	1077 818.1 39028	100 85.5 4173	113 80.7 3377	239 172.8 8512	45 29.6 1350	46 35.3 1669	177 129.9 5777
Barre	111 66.3 3080	7 5.3 254	14 8.4 340	21 12.4 565	8 2.3 108	6 2.6 107	28 18.0 856
Bennington	82 60.4 2731	4 4.0 192	11 9.6 391	22 18.5 857	5 3.4 138	6 2.5 102	7 3.9 185
Brattleboro	87 49.4 2263	6 4.1 182	6 2.6 115	15 7.9 365	2 1.4 68	2 1.4 66	24 17.1 797
Burlington	485 369.4 18128	48 43.6 2195	23 16.8 704	116 84.9 4268	25 17.1 786	19 15.1 772	72 48.1 2083
Middlebury	51 21.8 1030	1 1.0 54	10 6.0 262	14 3.4 180	2 .2 8	4 1.1 66	4 1.9 84
Morrisville	50 21.1 1032	9 4.1 201	6 4.7 205	13 2.4 131	2 1.0 54	1 .2 8	6 2.3 111
Newport	34 19.6 842	2 2.0 82	5 4.7 204	5 2.5 110	1 .9 40	2 1.3 53	9 2.9 114
Rutland	115 74.9 3684	9 5.7 288	20 10.9 436	29 20.6 1036	2 2.0 95	7 3.8 184	12 6.6 290
Springfield	63 37.0 1722	9 4.7 187	3 1.6 66	14 8.1 439	1 .2 8	2 2.0 84	12 5.7 280
St. Albans	59 32.8 1625	6 5.7 285	10 6.9 286	15 2.7 147	2 .2 10	2 1.0 61	4 3.4 135
St. Johnsbury	50 22.4 1026	1 1.0 40	11 4.1 190	11 2.0 92	. . . . .	2 1.8 75	6 2.7 109
Wht Rvr Jct	93 43.1 1865	5 4.4 213	9 4.4 179	22 7.4 322	4 .9 35	3 2.3 92	29 17.4 733

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Table 42 (continued) -- VT Physicians, 2008  
 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	1077 818.1 39028	52 46.7 2460	74 59.6 2908	41 33.2 1834	22 21.4 1240	186 123.4 5729
Barre	111 66.3 3080	5 5.0 253	7 4.1 184	2 1.1 68	2 1.8 90	11 5.4 255
Bennington	82 60.4 2731	5 5.0 282	6 5.8 232	4 2.4 122	1 1.0 40	13 4.2 191
Brattleboro	87 49.4 2263	3 3.0 138	14 4.6 213	2 1.0 40	2 1.9 78	13 4.5 201
Burlington	485 369.4 18128	19 14.8 788	29 24.0 1203	26 21.6 1221	12 8.2 541	107 75.2 3566
Middlebury	51 21.8 1030	3 2.3 98	2 2.0 114	. . . .	2 .8 34	9 3.2 130
Morrisville	50 21.1 1032	2 2.0 105	4 2.9 159	. . . .	1 .2 10	6 1.2 50
Newport	34 19.6 842	. . . .	4 1.3 54	2 2.0 96	. . . .	5 2.1 90
Rutland	115 74.9 3684	3 2.5 159	7 6.1 314	6 3.6 207	1 1.0 80	20 12.2 596
Springfield	63 37.0 1722	4 3.3 150	3 2.5 108	1 1.0 40	2 2.0 121	12 6.0 238
St. Albans	59 32.8 1625	4 4.0 238	3 3.0 140	. . . .	6 2.2 152	7 3.7 171
St. Johnsbury	50 22.4 1026	3 3.0 158	2 2.0 100	1 .5 40	2 1.2 52	11 4.0 171
Wht Rvr Jct	93 43.1 1865	3 2.0 91	2 1.5 88	. . . .	1 1.0 42	15 1.8 70

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 43 -- VT Physicians, 2008  
 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	498.19	621,270	80.19	1,247
Barre	45.92	65,753	69.84	1,432
Bennington	30.96	36,382	85.09	1,175
Brattleboro	35.25	35,478	99.36	1,006
Burlington	150.29	152,770	98.37	1,017
Middlebury	32.70	36,414	89.80	1,114
Morrisville	20.45	30,911	66.17	1,511
Newport	20.75	28,475	72.86	1,372
Rutland	39.71	63,546	62.49	1,600
Springfield	32.78	33,561	97.68	1,024
St. Albans	30.09	55,678	54.04	1,850
St. Johnsbury	21.78	33,716	64.61	1,548
Wht Rvr Jct	37.50	48,586	77.19	1,296

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.

In this table physicians may be counted more than once (Note 4).

Population estimates are for July 2008, from the Census Bureau (see Note 7).

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

Table 44 -- VT Physicians, 2008  
 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	660	291	190	78	115
Arlington	1	1	.	.	.
Bennington	33	18	7	4	4
Bradford	8	3	2	1	3
Brandon	6	5	1	.	.
Brattleboro	34	12	11	4	7
Brighton	1	.	1	.	1
Bristol	6	3	3	.	.
Burlington	153	53	47	25	29
Cambridge	5	5	.	.	.
Castleton	9	8	1	.	1
Chelsea / Corinth	4	3	1	.	.
Enosburg	7	2	1	1	3
Essex/Williston	56	22	12	12	10
Hardwick	3	2	1	.	.
Hartford	34	10	22	1	1
Londonderry	3	2	1	.	.
Ludlow	2	2	.	.	.
Manchester	6	3	1	1	1
Middlebury	36	17	5	5	9
Milton / South Hero	22	17	3	.	2
Montpelier/Barre/Berlin	47	20	14	6	8
Morristown	13	8	2	2	1
Newport	23	8	10	3	4
Pawlet	3	1	1	1	1
Randolph	19	6	4	3	8
Rockingham	7	3	1	.	3
Rutland	36	15	9	7	5
Springfield	24	9	6	6	4
St Albans	26	8	7	4	7
St Johnsbury	26	12	9	2	5
Stowe	7	6	1	.	.
Townshend	14	9	4	.	1
Vergennes	8	5	1	.	2
Waitsfield	1	1	.	.	.
Waterbury	8	7	.	.	1
Wilmington	5	4	1	.	.
Windsor	13	2	7	1	3
Woodstock	8	4	3	.	1

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

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Table 44 (continued) -- VT Physicians, 2008  
 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	498.2	223.9	126.5	62.5	85.3
Arlington	1.0	1.0	.	.	.
Bennington	26.3	12.8	6.0	3.8	3.7
Bradford	6.3	2.5	1.9	.2	1.8
Brandon	4.2	3.5	.8	.	.
Brattleboro	24.0	8.7	7.1	3.6	4.6
Brighton	.8	.	.6	.	.2
Bristol	3.2	1.4	1.8	.	.
Burlington	98.6	32.9	32.3	16.4	16.9
Cambridge	3.1	3.1	.	.	.
Castleton	7.5	6.5	.5	.	.5
Chelsea / Corinth	1.7	1.7	<.05	.	.
Enosburg	4.1	1.6	.2	.1	2.2
Essex/Williston	44.6	19.6	7.8	8.0	9.3
Hardwick	2.6	1.9	.7	.	.
Hartford	12.6	5.6	6.9	<.05	<.05
Londonderry	2.7	1.8	.9	.	.
Ludlow	.6	.6	.	.	.
Manchester	3.7	2.5	1.0	<.05	.2
Middlebury	23.8	10.7	3.5	3.8	5.7
Milton / South Hero	13.6	9.1	2.6	.	1.9
Montpelier/Barre/Berlin	40.8	17.8	11.7	4.5	6.8
Morristown	9.3	5.2	1.1	1.9	1.0
Newport	19.9	7.0	6.7	3.0	3.3
Pawlet	1.3	.7	.3	<.05	.3
Randolph	14.4	4.6	2.6	2.2	5.1
Rockingham	5.0	2.6	.8	.	1.6
Rutland	26.7	11.0	6.4	5.2	4.1
Springfield	16.3	6.3	3.7	3.4	2.9
St Albans	19.4	5.3	4.6	3.9	5.6
St Johnsbury	19.1	7.6	5.8	2.0	3.7
Stowe	5.5	5.0	.5	.	.
Townshend	7.2	6.8	.1	.	.3
Vergennes	5.7	4.8	.3	.	.6
Waitsfield	1.0	1.0	.	.	.
Waterbury	4.1	3.9	.	.	.2
Wilmington	4.0	3.0	1.0	.	.
Windsor	8.2	1.1	4.4	.5	2.3
Woodstock	5.2	2.6	1.8	.	.8

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Table 44 (continued) -- VT Physicians, 2008  
 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	498.2	621,270	80.2	1,247
Arlington	1.0	3,676	27.2	3,676
Bennington	26.3	22,635	116.1	861
Bradford	6.3	6,549	96.8	1,033
Brandon	4.2	4,690	90.6	1,104
Brattleboro	24.0	21,789	110.0	909
Brighton	.8	3,504	23.3	4,300
Bristol	3.2	8,906	36.2	2,766
Burlington	98.6	91,044	108.3	923
Cambridge	3.1	4,391	71.1	1,407
Castleton	7.5	13,176	56.7	1,763
Chelsea / Corinth	1.7	6,819	24.4	4,099
Enosburg	4.1	10,344	39.8	2,513
Essex/Williston	44.6	51,012	87.5	1,143
Hardwick	2.6	6,838	38.0	2,630
Hartford	12.6	12,024	104.4	958
Londonderry	2.7	2,987	89.3	1,120
Ludlow	.6	5,798	10.9	9,155
Manchester	3.7	7,361	49.8	2,006
Middlebury	23.8	18,955	125.4	797
Milton / South Hero	13.6	24,590	55.3	1,807
Montpelier/Barre/Berlin	40.8	49,688	82.2	1,217
Morristown	9.3	17,535	52.8	1,893
Newport	19.9	22,691	87.8	1,138
Pawlet	1.3	3,215	39.5	2,533
Randolph	14.4	14,871	96.7	1,035
Rockingham	5.0	8,753	56.7	1,764
Rutland	26.7	41,756	64.0	1,563
Springfield	16.3	15,242	106.8	936
St Albans	19.4	30,157	64.4	1,554
St Johnsbury	19.1	27,996	68.3	1,463
Stowe	5.5	4,919	111.3	899
Townshend	7.2	5,866	123.5	810
Vergennes	5.7	7,910	72.1	1,387
Waitsfield	1.0	6,393	15.6	6,393
Waterbury	4.1	6,654	61.5	1,625
Wilmington	4.0	5,828	69.2	1,446
Windsor	8.2	8,433	97.8	1,023
Woodstock	5.2	5,957	87.7	1,140

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. In this table physicians may be counted more than once (Note 4). Population estimates are for July 2008, from the Census Bureau (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 2006 and 2008



Table 45 -- VT Physicians, 2006 and 2008  
 Changes in Number of Physicians, Patient Care Hours  
 and Specialties, between 2006 and 2008

	2006	2008	Change	
TOTAL	1730	1833	+103	+6%
Medical Doctor (MD)	1680	1783	+103	+6%
Doctor of Osteopathy (DO)	50	50	0	0%
Main specialty:				
Primary Care Total	640	634	-6	-1%
Family Practice	291	279	-12	-4%
Primary Care Internal Medicine	174	175	+1	+1%
Obstetrics and Gynecology	67	75	+8	+12%
Pediatric Primary Care	108	105	-3	-3%
Specialty Care Total	1090	1199	+109	+10%
Anesthesiology	79	97	+18	+23%
Emergency Medicine	96	108	+12	+13%
Internal Medicine Specialties	183	217	+34	+19%
Neurology	37	41	+4	+11%
Ophthalmology	41	46	+5	+12%
Pathology	56	53	-3	-5%
Psychiatry	169	172	+3	+2%
Radiology	106	129	+23	+22%
Surgery: General	49	50	+1	+2%
Surgery: Orthopedic	65	72	+7	+11%
Surgery: Other	39	40	+1	+3%
Urology	26	22	-4	-15%
Other Specialties	144	152	+8	+6%
Age groups:				
less than 35	79	80	+1	+1%
35 - 44	456	470	+14	+3%
45 - 54	647	676	+29	+4%
55 - 59	256	259	+3	+1%
60 - 64	162	185	+23	+14%
65 and up	123	161	+38	+31%
unknown	7	2		
Gender:				
Male	1234	1256	+22	+2%
Female	496	577	+81	+16%
Patient care hours: *				
40 or more hours/week	863	922	+59	+7%
30 to 39 hours/week	246	262	+16	+7%
less than 30 hours/week	459	467	+8	+2%

\* excluding pathologists and radiologists

Table 46 -- VT Physicians, 2006 vs. 2008  
 Numbers of Physicians, Full Time Equivalents (FTEs), and Total  
 Weekly Patient Care Hours, by County, in 2006 and in 2008

Count FTEs Hours	2006			2008		
	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATE TOTAL	1568 1239.6 58183	655 503.6 23212	973 736.0 34971	1651 1316.3 61926	660 498.2 22897	1077 818.1 39028
Addison County	86 49.6 2208	43 30.3 1361	46 19.2 847	93 54.5 2495	46 32.7 1465	51 21.8 1030
Bennington County	120 86.6 4039	43 34.0 1672	78 52.6 2368	120 91.3 4269	39 31.0 1538	82 60.4 2731
Caledonia County	65 39.8 1763	28 21.3 912	41 18.5 851	71 43.5 1960	28 21.0 930	51 22.5 1030
Chittenden County	622 488.5 23233	200 149.0 6657	442 339.4 16577	662 519.7 24872	210 150.3 6744	485 369.4 18128
Essex County	4 3.2 158	4 3.2 158	. . . .	2 1.5 73	2 1.5 73	. . . .
Franklin County	94 62.4 2964	40 32.9 1507	55 29.5 1457	91 61.8 2999	36 28.9 1374	59 32.8 1625
Grand Isle County	3 1.1 48	3 1.1 48	. . . .	3 1.2 46	3 1.2 46	. . . .
Lamoille County	63 36.7 1774	24 17.9 894	42 18.8 880	67 38.9 1896	23 17.9 867	49 21.0 1028
Orange County	59 32.6 1470	23 13.8 614	40 18.9 856	69 36.3 1575	26 18.0 784	46 18.3 791
Orleans County	56 36.7 1675	22 18.0 822	34 18.7 853	56 39.5 1805	23 19.9 963	34 19.6 842
Rutland County	152 108.3 5336	51 40.8 2116	105 67.4 3219	162 114.7 5587	52 39.7 1902	115 74.9 3684
Washington County	154 108.5 5050	59 49.8 2240	96 58.7 2810	164 112.2 5094	55 45.9 2015	111 66.3 3080
Windham County	133 87.8 4072	62 42.0 1977	77 45.8 2096	145 95.1 4490	60 42.9 2079	90 52.3 2411
Windsor County	169 97.8 4394	80 49.5 2235	98 48.4 2158	181 106.2 4766	83 47.3 2118	108 58.9 2648

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

Table 47 -- VT Physicians, 2006 vs. 2008  
 Primary Care Physician Full Time Equivalentents (FTEs),  
 and Ratio to Population, by County, in 2006 and in 2008

County	2006			2008			Change in Ratio
	FTEs	Population	FTEs per 100,000 Population	FTEs	Population	FTEs per 100,000 Population	
STATEWIDE TOTAL	503.65	623,908	80.72	498.19	621,270	80.19	-.54
Addison County	30.33	37,057	81.84	32.70	36,617	89.31	7.46
Bennington County	33.99	36,929	92.03	30.96	36,382	85.09	-6.94
Caledonia County	21.34	30,842	69.19	21.01	30,470	68.97	-.22
Chittenden County	149.05	150,069	99.32	150.29	152,782	98.37	-.95
Essex County	3.25	6,567	49.49	1.53	6,500	23.59	-25.89
Franklin County	32.85	48,187	68.17	28.94	47,949	60.35	-7.82
Grand Isle County	1.13	7,751	14.59	1.15	7,729	14.91	.32
Lamoille County	17.86	24,592	72.64	17.85	24,833	71.90	-.75
Orange County	13.77	29,440	46.79	17.98	28,917	62.17	15.38
Orleans County	17.99	27,718	64.92	19.93	27,189	73.31	8.40
Rutland County	40.84	63,641	64.17	39.71	63,331	62.70	-1.47
Washington County	49.77	59,564	83.55	45.92	58,829	78.06	-5.49
Windham County	42.01	43,898	95.70	42.88	43,176	99.31	3.61
Windsor County	49.47	57,653	85.80	47.33	56,566	83.67	-2.13

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 2006 and 2008:  
Age (in 2006) by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	211	11	61	58	27	21	31	25%
MALES	158	6	38	45	21	19	28	30%
FEMALES	53	5	23	13	6	2	3	9%
PRIMARY CARE	68	5	23	11	10	6	11	25%
Family Practice	35	4	13	7	8	2	0	6%
Internal Medicine	16	0	7	2	0	2	4	38%
Ob/Gyn	4	0	0	1	1	0	2	50%
Pediatrics	13	1	3	1	1	2	5	54%
SPECIALTY CARE	143	6	38	47	17	15	20	24%
Anesthesiology	9	1	3	4	1	0	0	0%
Emergency Medicine	5	0	2	1	0	1	1	40%
Internal Medicine	19	4	5	5	3	0	2	11%
Neurology	5	0	1	2	1	1	0	20%
Ophthalmology	2	0	0	0	0	0	2	100%
Pathology	10	1	2	2	2	1	2	30%
Psychiatry	19	0	6	6	0	1	6	37%
Radiology	23	0	7	9	2	4	1	22%
Surgery: General	6	0	0	1	2	0	3	50%
Surgery: Orthopedic	11	0	2	5	1	3	0	27%
Surgery: Other	7	0	1	3	1	2	0	29%
Urology	6	0	3	1	2	0	0	0%
Other Specialties	21	0	6	8	2	2	3	24%

	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	5%	29%	28%	13%	10%	15%	25%
MALES	100%	4%	24%	29%	13%	12%	18%	30%
FEMALES	100%	10%	44%	25%	12%	4%	6%	9%
PRIMARY CARE	100%	8%	35%	17%	15%	9%	17%	25%
SPECIALTY CARE	100%	4%	27%	33%	12%	10%	14%	24%

The 'Total' column includes 2 physicians with unknown ages.  
See Note 1 for a description of the calculation of age.

Table 49 -- VT Physicians Active in 2008  
 who were Not Active in 2006:  
 Age (in 2008) by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	314	51	136	83	17	12	14	8%
MALES	183	26	69	54	11	10	13	13%
FEMALES	131	25	67	29	6	2	1	2%
PRIMARY CARE	77	13	31	22	4	5	2	9%
Family Practice	34	7	13	9	4	0	1	3%
Internal Medicine	20	2	5	9	0	3	1	20%
Ob/Gyn	12	2	6	4	0	0	0	0%
Pediatrics	11	2	7	0	0	2	0	18%
SPECIALTY CARE	237	38	105	61	13	7	12	8%
Anesthesiology	28	3	11	9	4	1	0	4%
Emergency Medicine	16	2	8	3	0	1	1	13%
Internal Medicine	42	8	25	7	0	2	0	5%
Neurology	5	2	2	1	0	0	0	0%
Ophthalmology	7	1	3	1	1	0	1	14%
Pathology	7	0	6	0	0	1	0	14%
Psychiatry	23	3	6	5	4	0	5	22%
Radiology	45	5	20	17	1	1	1	4%
Surgery: General	7	1	3	1	1	0	1	14%
Surgery: Orthopedic	17	5	7	4	0	0	1	6%
Surgery: Other	7	1	2	4	0	0	0	0%
Urology	2	0	1	1	0	0	0	0%
Other Specialties	31	7	11	8	2	1	2	10%

	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	16%	43%	27%	5%	4%	4%	8%
MALES	100%	14%	38%	30%	6%	5%	7%	13%
FEMALES	100%	19%	52%	22%	5%	2%	1%	2%
PRIMARY CARE	100%	17%	40%	29%	5%	6%	3%	9%
SPECIALTY CARE	100%	16%	44%	26%	6%	3%	5%	8%

The 'Total' column includes one physician with unknown age.  
 See Note 1 for a description of the calculation of age.

Table 50 -- Physicians who Discontinued  
their Vermont Practice between 2006 and 2008:  
Count of Physicians, Full Time Equivalents (FTEs), and  
Total Weekly Patient Care Hours (in 2006), by County

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		178 116.0 5358	70 43.5 2022	114 72.5 3336
Addison County		8 2.4 106	4 2.3 101	4 .1 5
Bennington County		21 13.0 559	7 6.4 280	14 6.6 279
Caledonia County		6 3.0 152	3 2.2 118	4 .9 35
Chittenden County		62 41.4 1869	19 10.0 430	46 31.4 1439
Essex County		.	.	.
Franklin County		13 9.2 417	7 4.7 208	6 4.5 209
Grand Isle County		1 .6 25	1 .6 25	.
Lamoille County		8 3.5 147	1 .6 25	7 2.9 122
Orange County		6 1.8 73	2 .2 10	4 1.6 63
Orleans County		7 4.3 196	2 1.2 63	5 3.1 133
Rutland County		19 13.9 679	4 3.9 210	15 10.0 469
Washington County		13 9.8 491	7 5.5 261	6 4.3 230
Windham County		10 3.6 173	6 1.7 68	4 1.9 105
Windsor County		23 9.5 471	11 4.2 223	14 5.3 248

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

Table 51 -- VT Physicians Active in 2008  
 who were Not Active in 2006:  
 Count of Physicians, Full Time Equivalent (FTEs), and  
 Total Weekly Patient Care Hours (in 2008), by County

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		262 187.6 8499	84 56.2 2453	187 131.4 6046
Addison County		13 5.7 228	6 3.2 129	7 2.4 99
Bennington County		25 20.9 971	7 5.7 260	18 15.2 711
Caledonia County		7 3.8 154	2 1.2 47	6 2.7 107
Chittenden County		91 71.3 3329	25 17.4 768	72 54.0 2561
Essex County		.	.	.
Franklin County		13 9.2 453	2 1.6 74	11 7.6 379
Grand Isle County		.	.	.
Lamoille County		4 1.9 74	.	4 1.9 74
Orange County		14 5.6 231	5 2.9 117	9 2.6 114
Orleans County		8 6.6 294	3 3.0 138	5 3.6 156
Rutland County		29 21.4 1002	5 4.2 168	24 17.2 834
Washington County		25 16.3 677	6 5.4 226	19 10.9 451
Windham County		17 6.8 284	6 3.3 134	11 3.4 150
Windsor County		39 18.3 802	18 8.3 392	23 10.0 410

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

Table 52 -- VT Physicians by Length of Time  
 Active in Vermont as of 2006,  
 and Whether Still Active in Vermont in 2008

Tenure in VT as of 2006	Physicians Active in 2006	Still Active in VT in 2008	No Longer Active in VT in 2008
TOTAL	1730 (100%)	1519	211 ( 12%)
< 1 year	69 ( 4%)	58	11 ( 16%)
1-4 years	345 ( 20%)	285	60 ( 17%)
5-9 years	330 ( 19%)	297	33 ( 10%)
10-19 years	510 ( 29%)	457	53 ( 10%)
20+ years	448 ( 26%)	401	47 ( 10%)
unknown	28 ( 2%)	21	7 ( 25%)

Percentages in the 'Active in 2006' column are based on the  
 'TOTAL' row. Percentages in the 'No Longer Active' column  
 are based on the 'Active in 2006' column.

Table 53 -- VT Primary Care Physicians  
by Length of Time Active in VT as of 2006,  
and Whether Still Active in VT in 2008

Primary Care Physicians			
Tenure in VT as of 2006	Active in 2006	Still Active in VT in 2008	No Longer Active in VT in 2008
TOTAL	640 (100%)	572	68 ( 11%)
< 1 year	20 ( 3%)	16	4 ( 20%)
1-4 years	100 ( 16%)	83	17 ( 17%)
5-9 years	130 ( 20%)	121	9 ( 7%)
10-19 years	187 ( 29%)	172	15 ( 8%)
20+ years	195 ( 30%)	175	20 ( 10%)
unknown	8 ( 1%)	5	3 ( 38%)

Percentages in the 'Active in 2006' column are based on the 'TOTAL' row. Percentages in the 'No Longer Active' column are based on the 'Active in 2006' column.



# Appendices



## Appendix A. General Notes and Terms

### Definition of Active Physician

A physician who was relicensed for the period 2009-2010 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. Internal Medicine in a “hospitalist” setting was not considered primary care.
- 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 counties.

### **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 2008 survey were calculated as of 11/30/08, based on the date of birth. For example, a person born between January and November 1968 is considered 40 years old, but those born in December 1968 are considered 39 years old. Tables that refer to physicians' age in 2006 are based on ages as of 11/30/06.

### **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 2008 population estimates used in this report are directly from the Census Bureau, as estimated for July, 2008. Population data for the 2004 and 2006 surveys were also from the Census Bureau. 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.

(note 9 skipped intentionally)

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 (main) specialty reported for that site, whether or not that is the provider’s overall 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 2006 and 2004 survey reports, 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:

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

Mid Atlantic: NY, NJ, PA

South: DE, MD, DC, VA, WV, NC, SC, GA, FL, KY, TN, AL, MS, AR, OK, LA, TX

Central: OH, IN, IL, MI, WI, MN, IA, MO, ND, SD, NE, KS

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

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Middle Name 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Gender:  Male  
 Female

Last Name 

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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.*





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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					
---	---	---	---	---	--	--	--	--	--

### Practice sites in VERMONT:

10. Choose the **ONE** description that **best fits** your practice (at each site). This 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 "year-round".) . . . . .

	SITE 1	SITE 2	SITE 3
	<input type="text"/>	<input type="text"/>	<input type="text"/>

12. Primary **Specialty** at each site (4-digit code): . . . . .  
(specialty name, if code not found on yellow sheet) . . . . .

	SITE 1	SITE 2	SITE 3
	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>HOURS</b> per week in Primary Specialty: . . . . .	<input type="text"/>	<input type="text"/>	<input type="text"/>
Secondary <b>Specialty</b> , 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 <b>Specialty</b> , 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"/>

13. 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"/>					



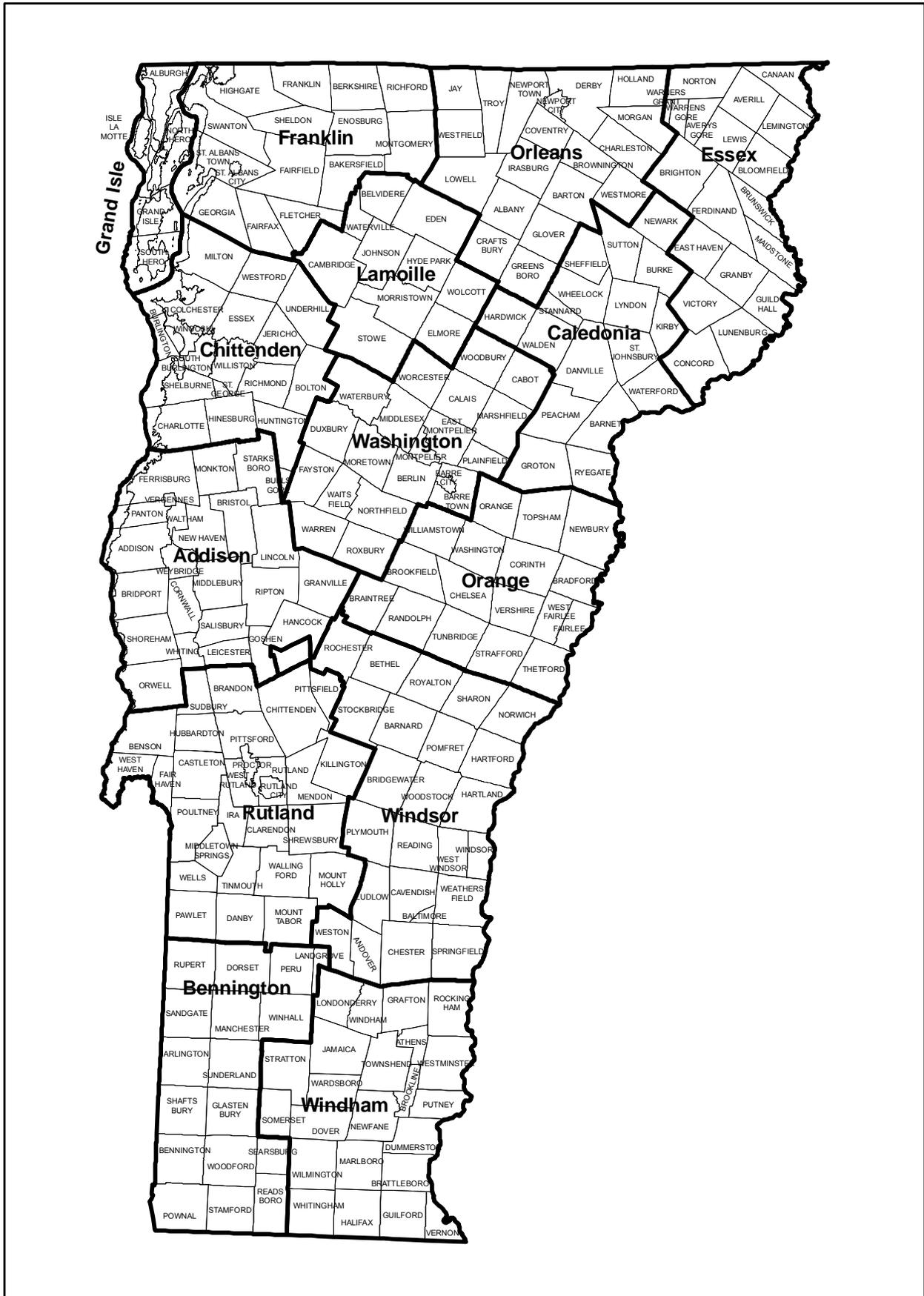
**Appendix D:****SPECIALTY CODES****(primary care specialties in boldface)****(note: codes are not in numerical order, please check them carefully)**

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

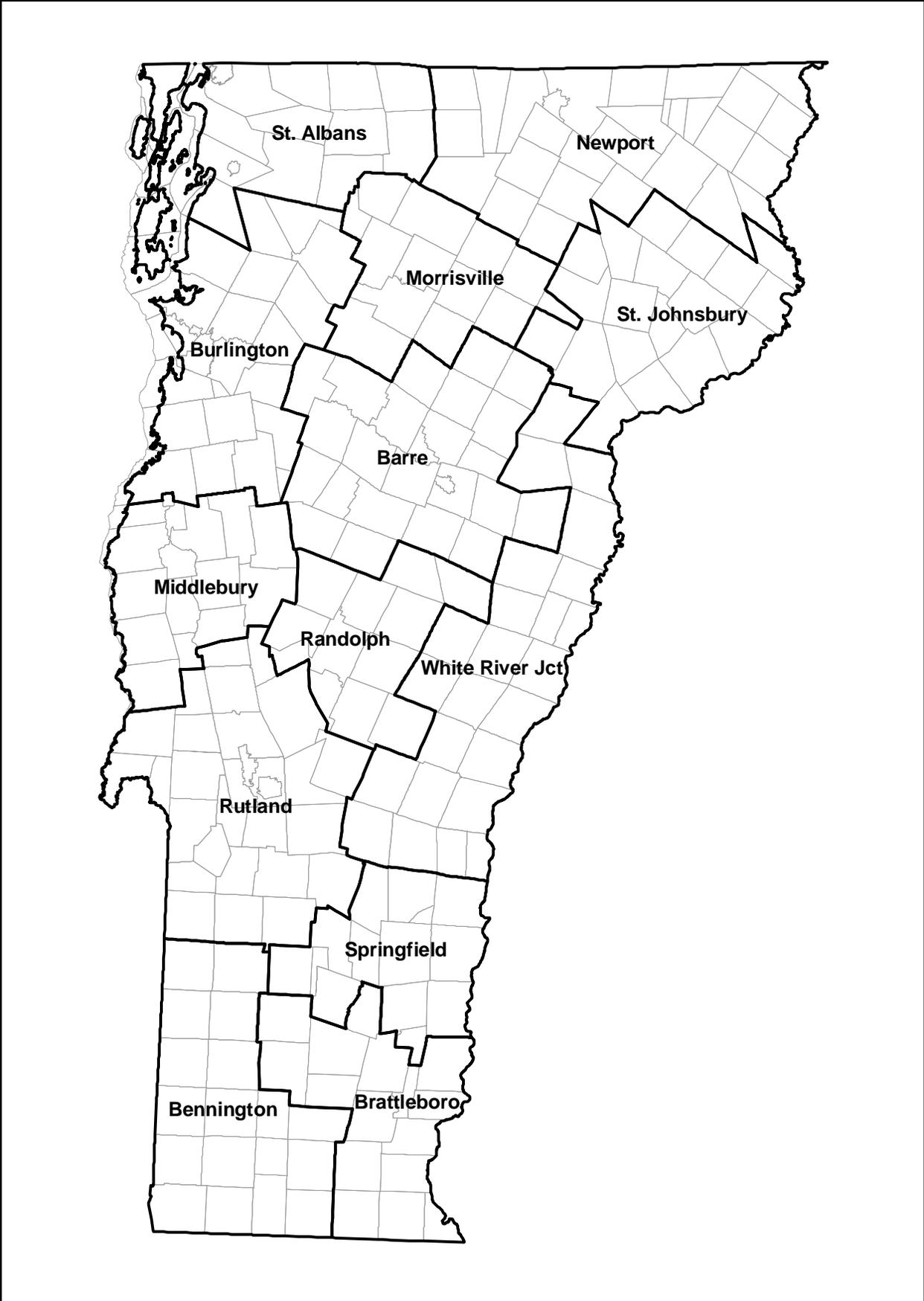
**CODES CONTINUED ON BACK**



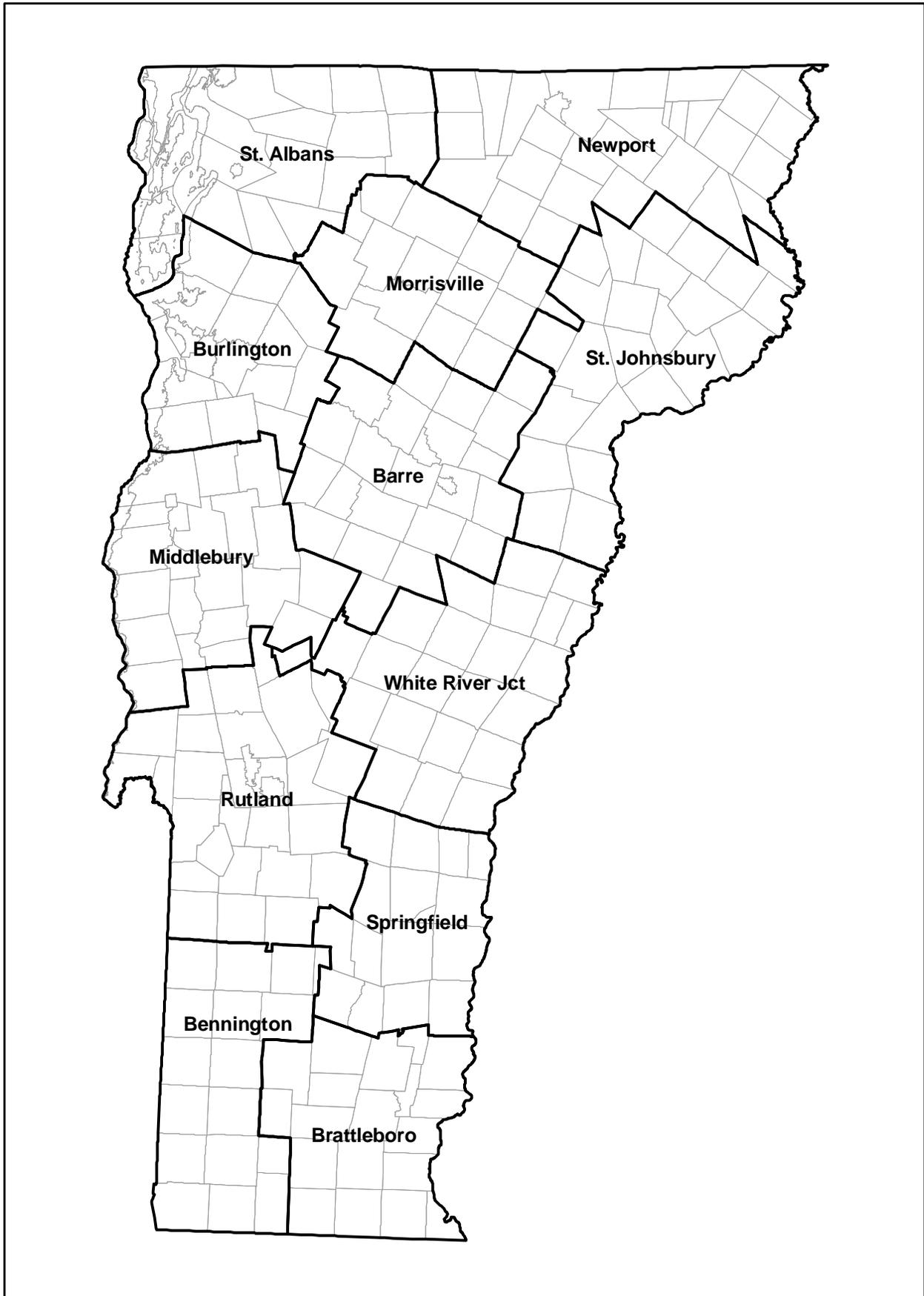
# Appendix E: Vermont Counties and Towns



Appendix F: Hospital Service Areas



Appendix G: Local Health Districts



Appendix H: Rational Service Areas

