

Vermont Department of Health

1998 Physician Survey

Statistical Report

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Statistical Report

State of Vermont
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Agency of Human Services
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Department of Health
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Acknowledgments

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Introduction

Since the health of Vermonters depends, in part, on access to health care, we need to identify and address problems related to the supply of health care providers, including their distribution by geography and specialty. In this report we present detailed profiles of physicians practicing in Vermont as of the end of the year 1998; 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 (M.D.) who renewed their license as of December 1998. In cooperation with the Vermont Board of Medical Practice, the Department of Health included a survey with the relicensing renewal form in the fall of 1998. A copy of the survey form is included in the Appendix. The surveys that were returned were compared against a list of all physicians who were relicensed. Follow-up mailings and phone calls were then made to those physicians residing in Vermont, or a neighboring state, who did not return a survey, to determine if they were seeing patients in Vermont, and if so, to complete the survey.

A separate board licenses doctors of Osteopathy (D.O.). Survey forms were mailed in October of 1999 to all Osteopathic physicians licensed in the state of Vermont as of that date. Follow-up telephone interviews were conducted, as needed. The data from the D.O. survey were combined with the M.D. survey data to produce this report.

Included in this report are physicians who provide patient care in Vermont. A substantial number of physicians maintain Vermont licenses even though they do not practice in Vermont. These physicians are excluded from this report. 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 were excluded from this report.

Similar surveys were also conducted in 1992, 1994, 1996, 2000, and 2002. (The data from the 2002 survey is currently being processed and not yet available.) Comparisons of the 1998 survey to the 1996 survey are included in this report. Similar data are collected from some additional types of health professionals. Results from some of these surveys are available on the Department of Health web site, <http://www.healthyvermonters.info> – look under “publications”.

Limitations: The surveys were reviewed for accuracy and consistency. Missing and/or inconsistent data items were evaluated, and for those data items that were determined to be essential, such as specialty or number of patient care hours, follow-up by phone and/or mail was conducted. Other data are reported as missing. In general, however, the information for this report was self-reported and not further verified. Data in this report are, therefore, subject to the limitations associated with the use of mailed surveys. The possibility of misinterpretation of survey items is always present, and it is possible that a small number of inconsistencies have arisen from such occurrences.

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

Summary

- ◆ This report includes data reported by 1410 physicians providing patient care (residents and fellows are excluded from this report):
 - 1374 Medical Doctors
 - 36 Doctors of Osteopathy
- ◆ 554 physicians work mainly in primary care including:
 - 234 Family Practice Medicine
 - 158 Primary Care Internal Medicine
 - 100 Pediatric Primary Care
 - 62 Obstetrics and Gynecology
- ◆ 856 physicians provide mainly specialty care including:
 - 142 Psychiatry
 - 124 Specialty Internal Medicine
 - 121 Surgery (38 general, 53 orthopedic)
 - 82 Emergency Medicine
 - 58 Anesthesiology
 - 329 Other Specialties
- ◆ Patient care hours per week, percentage of physicians (excluding pathologists) (does *not* include “on call” hours, administration, teaching, and research):
 - 58% 40 or more hours per week
 - 16% 30 to 39 hours per week
 - 26% less than 30 hours per week
- ◆ In 6 of 14 counties, 10% or more of the primary care physicians are over age 60, and retirement is a future consideration. Addison County (14%), Windsor County (15%), and Rutland County (20%), may expect the largest turnover.
- ◆ 339, or 24%, of Vermont physicians (33% of primary care physicians) are women. In 1996 it was 22% (28% of primary care).
- ◆ 649, or 46%, of Vermont physicians report they collaborate with a nurse practitioner or supervise a physician assistant.
- ◆ Vermont saw a net increase of 19 primary care physicians (12.1 FTEs), and 7 specialty care physicians (28.4 FTEs), between 1996 and 1998.

Vermont Physicians Demographic Characteristics

Table 1 -- VT Physicians, 1998
Summary of Active Physicians

TOTAL	1410	(100%)
Medical Doctor (MD)	1374	(97%)
Doctor of Osteopathy (DO)	36	(3%)
Age groups:		
younger than 35	90	(6%)
35 - 44	538	(38%)
45 - 54	478	(34%)
55 - 64	229	(16%)
65 and older	75	(5%)
Gender:		
Male	1071	(76%)
Female	339	(24%)
Patient care hours:		
40 or more hours/week	817	(58%)
30 to 39 hours/week	227	(16%)
less than 30 hours/week	366	(26%)
Number of practice sites:		
One	1099	(78%)
Two	230	(16%)
Three or more	81	(6%)
Main specialty:		
Primary Care Total	554	(39%)
Family Practice	234	(17%)
Primary Care Internal Medicine	158	(11%)
Pediatric Primary Care	100	(7%)
Obstetrics and Gynecology	62	(4%)
Specialty Care Total	856	(61%)
Anesthesiology	58	(4%)
Emergency Medicine	82	(6%)
Internal Medicine Specialties	124	(9%)
General Surgery	38	(3%)
Orthopedic Surgery	53	(4%)
Other Surgery	30	(2%)
Psychiatry	142	(10%)
Radiology	66	(5%)
Pathology	43	(3%)
Other Specialties	220	(16%)

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

Table 2 -- VT Physicians, 1998
Age by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	1410	90	538	478	146	83	75	11%
MALES	1071	55	356	379	134	75	72	14%
FEMALES	339	35	182	99	12	8	3	3%
PRIMARY CARE	554	50	208	187	49	32	28	11%
Family Practice	234	23	99	80	15	8	9	7%
Internal Medicine	158	13	53	50	24	9	9	11%
Pediatrics	100	10	36	33	5	8	8	16%
Ob/Gyn	62	4	20	24	5	7	2	15%
SPECIALTY CARE	856	40	330	291	97	51	47	11%
Anesthesiology	58	7	26	18	5	0	2	3%
Emergency Medicine	82	7	40	32	1	1	1	2%
Internal Medicine	124	7	54	43	11	6	3	7%
General Surgery	38	3	14	7	9	3	2	13%
Orthopedic Surgery	53	0	21	20	6	3	3	11%
Other Surgery	30	1	16	10	1	2	0	7%
Psychiatry	142	6	42	53	17	10	14	17%
Radiology	66	2	22	21	13	3	5	12%
Pathology	43	0	14	14	6	5	4	21%
Other Specialties	220	7	81	73	28	18	13	14%
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	6%	38%	34%	10%	6%	5%	11%
MALES	100%	5%	33%	35%	13%	7%	7%	14%
FEMALES	100%	10%	54%	29%	4%	2%	1%	3%
PRIMARY CARE	100%	9%	38%	34%	9%	6%	5%	11%
SPECIALTY CARE	100%	5%	39%	34%	11%	6%	5%	11%

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

Table 3 -- VT Physicians, 1998
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	1410	90	538	478	146	83	75	11%
MALES	1071	55	356	379	134	75	72	14%
PRIMARY CARE	371	22	112	135	45	29	28	15%
Family Practice	161	9	61	60	14	8	9	11%
Internal Medicine	118	9	32	38	21	9	9	15%
Pediatrics	55	3	14	18	5	7	8	27%
Ob/Gyn	37	1	5	19	5	5	2	19%
SPECIALTY CARE	700	33	244	244	89	46	44	13%
Anesthesiology	45	6	19	14	4	0	2	4%
Emergency Medicine	65	5	29	28	1	1	1	3%
Internal Medicine	110	7	44	40	10	6	3	8%
General Surgery	34	2	11	7	9	3	2	15%
Orthopedic Surgery	51	0	19	20	6	3	3	12%
Other Surgery	29	1	15	10	1	2	0	7%
Psychiatry	99	3	27	36	14	7	12	19%
Radiology	54	2	13	19	12	3	5	15%
Pathology	30	0	7	11	5	3	4	23%
Other Specialties	183	7	60	59	27	18	12	16%
FEMALES	339	35	182	99	12	8	3	3%
PRIMARY CARE	183	28	96	52	4	3	0	2%
Family Practice	73	14	38	20	1	0	0	0%
Internal Medicine	40	4	21	12	3	0	0	0%
Pediatrics	45	7	22	15	0	1	0	2%
Ob/Gyn	25	3	15	5	0	2	0	8%
SPECIALTY CARE	156	7	86	47	8	5	3	5%
Anesthesiology	13	1	7	4	1	0	0	0%
Emergency Medicine	17	2	11	4	0	0	0	0%
Internal Medicine	14	0	10	3	1	0	0	0%
General Surgery	4	1	3	0	0	0	0	0%
Orthopedic Surgery	2	0	2	0	0	0	0	0%
Other Surgery	1	0	1	0	0	0	0	0%
Psychiatry	43	3	15	17	3	3	2	12%
Radiology	12	0	9	2	1	0	0	0%
Pathology	13	0	7	3	1	2	0	15%
Other Specialties	37	0	21	14	1	0	1	3%

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

Table 4 -- VT Physicians, 1998
Age by County

County	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	1410	90	538	478	146	83	75	11%
Primary Care	554	50	208	187	49	32	28	11%
Specialists	856	40	330	291	97	51	47	11%
Addison County								
Primary Care	36	3	13	10	5	2	3	14%
Specialists	24	1	14	4	3	0	2	8%
Bennington County								
Primary Care	33	2	14	10	3	1	3	12%
Specialists	67	4	25	22	9	3	4	10%
Caledonia County								
Primary Care	25	3	8	11	0	1	2	12%
Specialists	26	1	9	8	6	0	2	8%
Chittenden County								
Primary Care	168	18	71	54	7	13	5	11%
Specialists	363	15	154	118	34	23	19	12%
Essex County								
Primary Care	1	0	1	0	0	0	0	0%
Specialists	1	0	0	1	0	0	0	0%
Franklin County								
Primary Care	29	2	16	4	6	1	0	3%
Specialists	27	1	15	6	2	0	3	11%
Grand Isle County								
Primary Care	1	0	0	0	1	0	0	0%
Specialists	0	0	0	0	0	0	0	0%
Lamoille County								
Primary Care	24	1	7	13	1	0	2	8%
Specialists	17	0	8	5	2	1	1	12%
Orange County								
Primary Care	20	1	7	9	1	0	2	10%
Specialists	23	0	10	7	1	3	2	22%
Orleans County								
Primary Care	18	4	7	6	1	0	0	0%
Specialists	18	2	7	9	0	0	0	0%
Rutland County								
Primary Care	50	9	16	10	5	5	5	20%
Specialists	68	5	25	23	10	5	0	7%
Washington County								
Primary Care	43	1	15	22	3	0	2	5%
Specialists	69	2	21	31	11	1	3	6%
Windham County								
Primary Care	40	2	12	15	8	3	0	8%
Specialists	76	3	17	31	8	9	8	22%
Windsor County								
Primary Care	66	4	21	23	8	6	4	15%
Specialists	77	6	25	26	11	6	3	12%

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

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

Table 5 -- VT Physicians, 1998
Gender by County

County	Total	Males	Females
STATEWIDE TOTAL			
Total	1410	1071 (76%)	339 (24%)
Primary Care	554	371 (67%)	183 (33%)
Specialists	856	700 (82%)	156 (18%)
Addison County			
Primary Care	36	23 (64%)	13 (36%)
Specialists	24	20 (83%)	4 (17%)
Bennington County			
Primary Care	33	23 (70%)	10 (30%)
Specialists	67	55 (82%)	12 (18%)
Caledonia County			
Primary Care	25	17 (68%)	8 (32%)
Specialists	26	25 (96%)	1 (4%)
Chittenden County			
Primary Care	168	103 (61%)	65 (39%)
Specialists	363	279 (77%)	84 (23%)
Essex County			
Primary Care	1	1	0
Specialists	1	1	0
Franklin County			
Primary Care	29	16 (55%)	13 (45%)
Specialists	27	24 (89%)	3 (11%)
Grand Isle County			
Primary Care	1	1	0
Specialists	0		
Lamoille County			
Primary Care	24	18 (75%)	6 (25%)
Specialists	17	13 (76%)	4 (24%)
Orange County			
Primary Care	20	16 (80%)	4 (20%)
Specialists	23	19 (83%)	4 (17%)
Orleans County			
Primary Care	18	14 (78%)	4 (22%)
Specialists	18	17 (94%)	1 (6%)
Rutland County			
Primary Care	50	38 (76%)	12 (24%)
Specialists	68	58 (85%)	10 (15%)
Washington County			
Primary Care	43	30 (70%)	13 (30%)
Specialists	69	57 (83%)	12 (17%)
Windham County			
Primary Care	40	25 (63%)	15 (38%)
Specialists	76	67 (88%)	9 (12%)
Windsor County			
Primary Care	66	46 (70%)	20 (30%)
Specialists	77	65 (84%)	12 (16%)

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

Table 6 -- VT Physicians, 1998
Years in Clinical Practice

Time since started	Anywhere	In Vermont
less than a year	45 (3%)	92 (7%)
1 or 2 years	87 (6%)	159 (11%)
3 or 4 years	91 (6%)	155 (11%)
5 to 9 years	265 (19%)	309 (22%)
10 to 14 years	267 (19%)	217 (15%)
15 to 19 years	205 (15%)	153 (11%)
20 years or more	447 (32%)	323 (23%)
unknown	3	2
Total	1410	1410
Median years:	13	9

Vermont Physicians Distribution of Full Time Equivalents (FTEs)

Table 7 -- VT Physicians, 1998
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	1102.0	75.9	429.7	377.1	116.3	57.1	45.9	9%
MALES	848.1	48.0	293.9	300.9	107.7	53.0	44.6	12%
FEMALES	253.9	27.9	135.8	76.3	8.6	4.1	1.3	2%
PRIMARY CARE	450.3	41.5	167.0	156.7	43.2	22.0	19.9	9%
Family Practice	190.7	18.4	80.6	66.9	12.7	6.5	5.6	6%
Internal Medicine	126.9	11.1	39.9	40.3	22.4	6.9	6.3	10%
Pediatrics	80.9	8.3	28.0	29.0	3.8	5.5	6.2	15%
Ob/Gyn	51.8	3.8	18.5	20.5	4.3	3.0	1.7	9%
SPECIALTY CARE	651.7	34.4	262.7	220.4	73.1	35.1	26.0	9%
Anesthesiology	56.3	7.0	25.9	17.3	4.1	.	2.0	4%
Emergency Medicine	63.0	5.7	31.4	23.0	1.4	.9	.7	2%
Internal Medicine	90.5	4.3	40.4	30.6	9.2	4.5	1.5	7%
General Surgery	33.6	2.9	11.9	6.7	7.4	2.7	2.0	14%
Orthopedic Surgery	48.8	.	19.1	20.0	4.9	2.1	2.8	10%
Other Surgery	29.9	1.2	16.3	8.5	1.4	2.1	.4	8%
Psychiatry	110.6	4.6	32.3	45.8	13.2	7.5	7.1	13%
Radiology	55.3	2.0	21.4	16.7	9.4	3.0	2.9	11%
Other Specialties	163.8	6.7	64.0	51.9	22.1	12.3	6.9	12%
	Total	% of total FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	7%	39%	34%	11%	5%	4%	9%
MALES	100%	6%	35%	35%	13%	6%	5%	12%
FEMALES	100%	11%	53%	30%	3%	2%	1%	2%
PRIMARY CARE	100%	9%	37%	35%	10%	5%	4%	9%
SPECIALTY CARE	100%	5%	40%	34%	11%	5%	4%	9%

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

Pathologists are excluded from this table (see Note 3).

Table 8 -- VT Physicians, 1998
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	1102.0	75.9	429.7	377.1	116.3	57.1	45.9	9%
Primary Care	450.3	41.5	167.0	156.7	43.2	22.0	19.9	9%
Specialists	651.7	34.4	262.7	220.4	73.1	35.1	26.0	9%
Addison County								
Primary Care	30.0	2.6	9.7	8.3	4.6	2.2	2.6	16%
Specialists	19.7	1.0	10.8	3.9	3.3	.3	.5	4%
Bennington County								
Primary Care	27.4	1.8	11.2	8.7	3.0	.5	2.1	10%
Specialists	52.7	3.6	21.5	16.8	6.7	1.5	2.7	8%
Caledonia County								
Primary Care	21.7	2.7	7.7	9.6	.	.2	1.5	8%
Specialists	19.5	1.0	6.3	6.5	4.4	.	1.3	6%
Chittenden County								
Primary Care	131.6	15.5	55.4	42.9	5.7	9.5	2.7	9%
Specialists	279.2	13.6	122.0	92.7	24.6	17.3	9.0	9%
Essex County								
Primary Care	1.7	.	1.5	.1	.	.	.	0%
Specialists	.4	.	.	.4	.	.	.	0%
Franklin County								
Primary Care	26.0	2.2	13.9	3.8	5.2	.9	.	4%
Specialists	23.9	1.0	13.1	5.6	1.9	.	2.2	9%
Grand Isle County								
Primary Care	.9	.	.	.	.9	.	.	0%
Specialists	.	.	.	.	.	.	.	.
Lamoille County								
Primary Care	19.2	1.0	4.8	11.6	.7	.2	.9	6%
Specialists	16.4	.	8.7	5.1	1.6	.9	.1	6%
Orange County								
Primary Care	15.7	1.0	6.5	6.4	.8	.	1.1	7%
Specialists	13.9	.1	6.9	4.2	1.1	.5	1.1	11%
Orleans County								
Primary Care	15.0	3.7	4.8	5.9	.6	.	.	0%
Specialists	15.5	2.3	6.7	6.3	.2	.	.	0%
Rutland County								
Primary Care	41.8	6.8	14.8	8.8	5.2	2.9	3.4	15%
Specialists	58.7	4.2	21.6	20.0	7.0	5.1	.8	10%
Washington County								
Primary Care	40.2	.8	12.9	21.5	3.0	.	2.0	5%
Specialists	56.2	1.5	16.8	25.2	10.4	.8	1.5	4%
Windham County								
Primary Care	32.9	1.2	10.2	12.6	7.0	1.9	.	6%
Specialists	54.3	1.7	14.0	19.8	6.8	5.9	6.1	22%
Windsor County								
Primary Care	46.3	2.4	13.5	16.5	6.6	3.6	3.8	16%
Specialists	41.3	4.2	14.4	13.8	5.2	2.9	.8	9%

See Note 1 for a description of the calculation of age.
Pathologists are excluded from this table (see Note 3).
See Note 4 regarding calculation of hours and FTEs by county.

Table 9 -- VT Physicians, 1998
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	1369 1102.0 53181	593 450.3 21397	866 651.7 31784
Addison County	75 49.8 2243	41 30.0 1343	39 19.7 900
Bennington County	107 80.1 3763	37 27.4 1249	72 52.7 2514
Caledonia County	57 41.2 1905	27 21.7 988	31 19.5 917
Chittenden County	530 410.8 19914	189 131.6 6104	374 279.2 13810
Essex County	4 2.0 110	4 1.7 80	1 .4 30
Franklin County	77 49.8 2493	34 26.0 1294	47 23.9 1199
Grand Isle County	2 .9 36	2 .9 36	.. ..
Lamoille County	60 35.5 1725	27 19.2 875	38 16.4 850
Orange County	54 29.6 1375	23 15.7 771	36 13.9 604
Orleans County	44 30.5 1523	21 15.0 769	27 15.5 754
Rutland County	132 100.6 5128	53 41.8 2095	85 58.7 3033
Washington County	121 96.4 4740	47 40.2 1940	79 56.2 2800
Windham County	119 87.1 4307	44 32.9 1690	85 54.3 2617
Windsor County	156 87.7 3919	76 46.3 2163	88 41.3 1756

In this table physicians may be counted more than once
(see notes 4 and 5).
Pathologists are excluded from this table (see Note 3).

Table 10 -- VT Physicians, 1998
Numbers of Primary Care Physicians, Full Time Equivalents
(FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	PRIMARY CARE TOTAL	NON- OB/GYN TOTAL	FAMILY	INTERNAL	PEDIATRIC	OB/GYN CARE TOTAL	GYNECOL ONLY	OB / GYN
STATEWIDE TOTAL	593 450.3 21397	528 398.5 18678	248 190.7 8755	183 126.9 6254	113 80.9 3669	71 51.8 2719	12 5.5 262	64 46.2 2457
Addison County	41 30.0 1343	38 27.0 1183	21 15.4 693	5 4.2 192	14 7.5 298	3 3.0 160	. . . . .	3 3.0 160
Bennington County	37 27.4 1249	31 24.1 1107	18 13.6 603	10 7.6 364	3 3.0 140	6 3.2 142	1 1.0 40	5 2.2 102
Caledonia County	27 21.7 988	23 18.3 832	11 7.7 361	6 5.4 227	7 5.3 244	4 3.4 156	. . . . .	4 3.4 156
Chittenden County	189 131.6 6104	162 113.7 5159	65 45.5 1979	64 40.7 1940	39 27.5 1240	27 17.8 945	4 2.7 127	24 15.2 818
Essex County	4 1.7 80	4 1.7 80	. . . . .	2 1.3 58	3 .4 22	.. .. .	.. .. .	.. .. .
Franklin County	34 26.0 1294	31 23.7 1158	14 10.5 466	11 8.1 409	6 5.1 283	4 2.2 136	. . . . .	4 2.2 136
Grand Isle County	2 .9 36	2 .9 36	1 .8 32	. . . . .	1 .1 4	.. .. .	.. .. .	.. .. .
Lamoille County	27 19.2 875	24 17.1 779	17 13.6 598	4 2.3 130	3 1.2 51	3 2.1 96	1 .6 25	3 1.5 71
Orange County	23 15.7 771	20 13.1 606	11 7.4 317	5 2.7 132	5 3.1 157	5 2.6 165	1 .2 6	4 2.5 159
Orleans County	21 15.0 769	19 13.0 669	8 6.2 312	8 4.9 251	4 1.9 106	2 2.0 100	. . . . .	2 2.0 100
Rutland County	53 41.8 2095	46 36.8 1845	24 17.9 832	14 12.4 723	9 6.5 290	7 5.1 250	1 .1 4	6 5.0 246
Washington County	47 40.2 1940	42 35.3 1669	25 21.3 1033	13 8.6 421	6 5.4 215	5 4.9 271	. . . . .	5 4.9 271
Windham County	44 32.9 1690	41 30.3 1560	23 17.2 921	11 7.9 413	7 5.1 226	4 2.6 130	. . . . .	4 2.6 130
Windsor County	76 46.3 2163	71 43.6 1995	21 13.8 608	38 20.8 994	14 9.0 393	6 2.8 168	4 1.0 60	5 1.7 108

In this table physicians may be counted more than once (see notes 4 and 5).
See Note 6 for description of OB/GYN classification.

Table 11 -- VT Physicians, 1998
Numbers of Specialty Care Physicians, Full Time Equivalents
(FTEs), and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	INTERN. MEDIC.	GEN. SURG.	ORTHO. SURG.	OTHER SURG.	ANESTHE- SIOLOGY	RADIO- LOGY	EMERG. MED.	PSYCH.	OTHER
STATEWIDE TOTAL	866 651.7 31784	143 90.5 4445	44 33.6 1775	53 48.8 2646	40 29.9 1691	61 56.3 3059	66 55.3 2833	96 63.0 2729	148 110.6 4970	263 163.8 7636
Addison County	39 19.7 900	9 1.7 85	3 2.1 99	2 2.0 100	. . . .	1 1.0 60	2 2.0 90	8 4.7 187	6 2.5 117	9 3.7 162
Bennington County	72 52.7 2514	10 8.5 387	4 2.7 129	5 3.5 189	6 2.8 133	4 4.0 192	7 5.2 285	9 6.4 268	9 6.4 287	24 13.2 644
Caledonia County	31 19.5 917	4 .4 23	4 3.1 140	2 2.0 100	2 .4 15	2 2.0 105	2 .8 60	5 4.5 218	4 1.8 75	8 4.5 181
Chittenden County	374 279.2 13810	75 49.8 2421	10 8.0 483	19 18.1 987	19 17.5 1009	29 25.4 1460	29 26.2 1347	21 12.9 547	60 38.8 1717	126 82.6 3839
Essex County	1 .4 30	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	1 .4 30
Franklin County	47 23.9 1199	11 1.1 47	4 2.9 158	2 2.0 134	2 1.1 76	5 4.3 224	3 3.0 150	7 3.7 157	4 1.3 54	12 4.5 199
Grand Isle County	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Lamoille County	38 16.4 850	7 1.0 56	2 1.0 61	2 1.7 114	1 1.0 42	3 3.0 167	3 .7 58	5 4.3 182	5 1.5 64	12 2.2 106
Orange County	36 13.9 604	8 .9 42	2 1.5 60	1 .3 20	1 <.05 1	1 1.0 40	1 1.0 40	8 2.6 107	8 2.9 137	10 3.7 157
Orleans County	27 15.5 754	2 .6 37	. . . .	1 1.0 45	2 2.0 100	2 2.0 105	1 1.0 68	5 3.3 147	3 1.8 82	11 3.8 170
Rutland County	85 58.7 3033	18 10.1 549	1 1.0 50	6 5.9 310	7 4.3 262	2 1.3 60	6 5.1 273	14 9.0 374	9 7.1 379	29 15.1 776
Washington County	79 56.2 2800	11 6.4 363	4 3.8 235	5 4.0 242	1 .2 10	6 6.0 338	3 2.3 110	9 6.0 238	19 14.0 615	23 13.6 649
Windham County	85 54.3 2617	12 5.1 233	6 4.3 224	6 4.9 251	3 .6 40	4 3.8 190	5 3.3 155	10 4.4 239	25 18.1 854	22 9.7 431
Windsor County	88 41.3 1756	16 5.0 202	4 3.2 136	4 3.4 154	1 .1 3	3 2.5 118	9 4.6 197	3 1.4 65	24 14.4 589	28 6.9 292

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

Table 12 -- VT Physicians, 1998
Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)
to Population, by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	450.3	600269	75.0	1333
Addison County	30.0	35413	84.8	1179
Bennington County	27.4	36784	74.4	1345
Caledonia County	21.7	29358	73.9	1352
Chittenden County	131.6	143812	91.5	1093
Essex County	1.7	6449	25.9	3865
Franklin County	26.0	44403	58.4	1711
Grand Isle County	.9	6605	12.9	7734
Lamoille County	19.2	22579	84.9	1178
Orange County	15.7	27840	56.5	1769
Orleans County	15.0	25864	58.0	1723
Rutland County	41.8	63173	66.2	1510
Washington County	40.2	57464	70.0	1429
Windham County	32.9	43730	75.1	1331
Windsor County	46.3	56795	81.5	1226

Only primary care physicians are included in this table.

One FTE is defined as 40 (or more) hours per week (Note 22).
The FTEs are rounded to 2 digits for display only.
The ratios were calculated using the unrounded values,
then rounded in turn to 2 digits for display.

Population figures are the post-2000-census re-estimates
for 1998 (see Note 7).

(Also see notes 4 and 5.)

Table 13 -- VT Physicians, 1998
Full Time Equivalents (FTEs) by Practice Setting by Specialty

Care Setting	FTEs in Primary Care Specialty			
	Family	Internal	Pediatric	Ob/Gyn
TOTAL, all settings	190.7	126.9	80.9	51.8
solo practice	43.4	32.8	11.4	6.9
group practice	112.0	68.5	60.0	40.8
commun health ctr	12.9	6.7	3.2	.2
hosp outpatient clinic	18.3	15.1	3.5	2.9
school/college	1.1	1.2	2.4	.9
business/worksites	1.8	.8	.3	.
hosp emergency room	.	.	.	.
hosp inpatient	.	.	.	.
ext care facility	1.1	1.2	.1	.
unknown	.2	.6	.	.

Care Setting	FTEs in Specialty								
	Anes	Emerg	Intern	Gen Surg	Orth Surg	Other Surg	Psych ology	Radio -logy	Other Spec
TOTAL, all settings	56.3	63.0	90.5	33.6	48.8	29.9	110.6	55.3	163.8
solo practice	4.0	.3	13.6	17.9	15.7	5.5	37.5	2.3	50.2
group practice	40.0	2.1	39.7	10.8	30.3	21.0	12.8	34.6	71.8
commun health ctr	1.0	.3	.1	.	.	.	22.7	.	2.3
hosp outpatient clinic	2.9	3.1	14.7	2.7	1.6	.9	13.1	8.4	20.2
school/college	.	.	1.3	.	.	.	.4	1.0	1.0
business/worksites	.	.	.	.	.	.	.1	.1	4.2
hosp emergency room	.	57.1	2.9	.	.9	.	.5	.	3.0
hosp inpatient	8.4	.	18.2	2.1	.4	2.5	22.6	8.9	11.0
ext care facility	.	.	.	.	.	.	.6	.	.
unknown	.	.	.	.	.	.	.2	.	.

All worksites of each provider are counted in this table (see notes 4 and 5).

Pathologists are excluded from this table (see Note 3).

See Table 15 for a similar tabulation by counts rather than FTEs.

Table 14 -- VT Physicians, 1998
Detailed Specialty List

SPECIALTY GROUP Specialty	Count of Physicians Working in Specialty		
	As Main Specialty	As Secondary Specialty	FTE
TOTAL	1410		
FAMILY PRACTICE			
Family Practice	211	12	172.5
General Practice	15	3	11.8
Geriatric Family Medicine	0	6	1.4
Osteopathic Medicine (general)	8	3	5.1
INTERNAL MEDICINE (PRIMARY)			
Geriatric Internal Medicine	4	9	3.5
Internal Medicine	154	26	123.4
PEDIATRICS (PRIMARY)			
Adolescent Internal Medicine	0	3	.5
Adolescent Medicine (Pediatrics)	1	7	1.7
Pediatrics (general)	99	10	78.7
OB/GYN			
Gynecology	9	3	5.5
Obstetrics	0	7	1.4
Obstetrics & Gynecology	53	4	44.8
ANESTHESIOLOGY			
Anesthesiology	57	1	52.3
Critical Care Medicine (Anesthes.)	0	3	.3
Pain Management	0	13	2.9
Pain Medicine	1	1	.8
EMERGENCY MEDICINE			
Emergency Medicine	82	13	62.4
Emergency Medicine: Sports	0	3	.6
INTERNAL MEDICINE (SPECIALTY)			
Cardiac Electrophysiology	0	1	.1
Cardiovascular Disease	33	6	28.4
Critical Care Internal Medicine	8	3	4.0
Endocrinology Diabetes & Metabol.	6	4	4.4
Gastroenterology	16	1	11.5
Hematology (Internal Medicine)	4	7	3.1
Infectious Disease	5	4	3.6
Internal Medicine (subspecialty)	12	8	9.3
Medical Oncology	19	1	10.2
Nephrology	5	1	4.1
Pulmonary Disease	8	5	6.4
Rheumatology	8	0	5.6

continued...

Table 14 -- VT Physicians, 1998
Detailed Specialty List (continued)

SPECIALTY GROUP Specialty	Count of Physicians Working in Specialty		
	As Main Specialty	As Secondary Specialty	FTE
GENERAL SURGERY	38	6	33.6
ORTHOPEDIC SURGERY			
Adult Reconstructive Orthopedics	0	1	.2
Hand Surgery (Orthopedic)	4	3	4.2
Orthopedic Surgery	43	5	39.3
Orthopedic Surgery Of The Spine	1	0	1.0
Orthopedic Surgery: Sports	3	2	3.2
Orthopedic Trauma	2	0	1.0
OTHER SURGERY			
Abdominal Surgery	3	3	2.4
Cardiovascular Surgery	1	0	.8
Colon & Rectal Surgery	0	2	.6
General Vascular Surgery	12	4	12.3
Head & Neck Surgery	1	2	1.1
Neurological Surgery	6	0	6.0
Oral & Maxillofacial Surgery	1	0	.1
Pediatric Surgery	2	1	1.9
Surgical Critical Care	1	5	1.3
Thoracic Surgery	3	2	3.2
Traumatic Surgery	0	3	.3
PSYCHIATRY			
Addiction Psychiatry	3	6	3.5
Child & Adolescent Psychiatry	18	7	11.6
Clinical Neurophysiology	3	4	1.8
Forensic Psychiatry	1	5	2.0
Geriatric Psychiatry	4	4	2.7
Psychiatry	113	15	88.9
RADIOLOGY			
Diagnostic Radiology	41	1	33.0
Nuclear Radiology	1	3	.9
Pediatric Radiology	1	0	1.0
Radiation Oncology	9	0	6.5
Radiological Physics	0	1	.5
Radiology	12	1	10.9
Vascular/Interventional Radiology	2	3	2.4
PATHOLOGY			
Anatomic & Clinical Pathology	26	3	.
Anatomic Pathology	5	1	.
Blood Banking/Transfusion Medicine	1	0	.
Chemical Pathology	1	0	.
Clinical Pathology	1	1	.
Cytopathology	2	4	.
Dermatopathology (Pathology)	1	1	.
Forensic Pathology	2	0	.
Hematology (Pathology)	1	0	.
Medical Microbiology	1	0	.
Neuropathology	1	0	.
Pediatric Pathology	1	1	.

continued...

Table 14 -- VT Physicians, 1998
Detailed Specialty List (continued)

SPECIALTY GROUP Specialty	Count of Physicians Working in Specialty		
	As Main Specialty	As Secondary Specialty	FTE
OTHER SPECIALTIES			
Acupuncture	0	2	.5
Aerospace Medicine	0	3	.2
Allergy	0	1	.1
Allergy & Immunology	7	2	5.4
Child Neurology	3	0	1.4
Children With Special Health Needs	4	1	3.2
Clinical Pharmacology	0	2	.2
Critical Care Medicine	1	0	.5
Dermatology	16	0	12.5
Dermatopathology (Dermatology)	2	1	1.3
Facial Plastic Surgery	0	3	.3
Family Medicine: Sports	2	4	1.2
Family Practice (subspecialty)	3	4	3.3
Geriatric Medicine (subspecialty)	0	1	.1
Gynecologic Oncology	1	0	.0
Hand Surgery (Plastic)	1	4	1.6
Homeopathic Medicine	0	1	.5
Immunology	2	0	.1
Internal Medicine: Sports	0	1	.1
Maternal & Fetal Medicine	3	3	3.7
Medical Genetics	0	1	.0
Neonatal-perinatal Medicine	4	0	3.3
Neurology	30	6	19.1
Nutrition	0	1	.3
Occupational Medicine	9	1	5.0
Ophthalmology	43	1	36.9
Otolaryngology	20	1	14.4
Otology/neurotology	0	1	.1
Pediatric Cardiology	4	0	2.3
Pediatric Critical Care Medicine	1	3	1.7
Pediatric Endocrinology	1	1	.5
Pediatric Gastroenterology	1	0	1.0
Pediatric Hematology-oncology	2	0	1.8
Pediatric Infectious Disease	1	0	.7
Pediatric Nephrology	1	0	.7
Pediatric Ophthalmology	1	0	1.0
Pediatric Otolaryngology	1	1	1.0
Pediatric Pulmonology	1	1	1.1
Pediatric Rheumatology	1	0	.1
Pediatric Sports Medicine	0	1	.3
Pediatric Urology	1	0	.1
Pediatrics (subspecialty)	1	4	.5
Physical Medicine & Rehabilitation	12	0	8.3
Plastic Surgery	6	0	4.0
Psychoanalysis	1	1	.6
Public Health & General Preventive	1	1	.8
Reproductive Endocrinology	2	4	2.0
Sleep Medicine	4	1	1.0
Urology	24	0	17.4
Unspecified Specialty	2	3	2.0

Vermont Physician Practice Characteristics

Table 15 -- VT Physicians, 1998
Practice Setting by Specialty

Care Setting	Number in Primary Care Specialty			
	Family	Internal	Pediatric	Ob/Gyn
TOTAL, all settings	234	158	100	62
solo practice	56	37	14	8
group practice	134	79	73	46
commun health ctr	15	11	5	2
hosp outpatient clinic	24	23	6	4
school/college	2	2	2	1
business/worksites	2	1	.	.
hosp emergency room	.	1	.	.
hosp inpatient	1	1	.	1
ext care facility	.	2	.	.
unknown	.	1	.	.

Care Setting	Number in Specialty									
	Anes	Emerg	Intern	Gen Surg	Orth Surg	Other Surg	Psych ology	Radi- ology	Path- ology	Other Spec
TOTAL, all settings	58	82	124	38	53	30	142	66	43	220
solo practice	4	1	13	19	17	5	51	3	5	59
group practice	42	1	54	14	33	20	19	41	19	100
commun health ctr	1	1	.	.	.	.	29	.	.	3
hosp outpatient clinic	3	4	25	3	1	2	16	9	.	32
school/college	.	.	3	.	.	.	1	1	1	2
business/worksites	.	.	.	.	.	.	1	1	3	7
hosp emergency room	.	75	4	.	2	.	.	.	.	3
hosp inpatient	8	.	25	2	.	3	25	11	15	14
ext care facility	.	.	.	.	.	.	.	.	.	.
unknown	.	.	.	.	.	.	.	.	.	.

Each provider is counted once in this table, in their main specialty group, and, independently, in their main practice setting (see Note 8).

See Table 13 for a similar tabulation by FTEs rather than counts.

Table 16 -- VT Physicians, 1998
Practice Setting by Age

Care Setting	Total		Number in Age Group					
			<35	35-44	45-54	55-59	60-64	65+
TOTAL, all settings	1410	(100%)	90	538	478	146	83	75
solo practice	292	(21%)	5	71	99	50	22	45
group practice	675	(48%)	54	275	223	65	43	15
commun health ctr	67	(5%)	2	36	19	4	4	2
hosp outpat clinic	152	(11%)	14	60	52	12	6	8
school/college	15	(1%)	.	9	4	.	.	2
business/worksites	15	(1%)	1	2	9	1	1	1
hosp emergency room	85	(6%)	9	43	31	2	.	.
hosp inpatient	106	(8%)	5	42	39	12	6	2
ext care facility	2	(0%)	.	.	2	.	.	.
unknown	1	(0%)	.	.	.	.	1	.

Each physician is counted once in this table,
in their main practice setting.

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

Table 17 -- VT Physicians, 1998
Practice Setting by Gender

Care Setting	Total		Males		Females	
TOTAL, all settings	1410		1071	(100%)	339	(100%)
solo practice	292		241	(23%)	51	(15%)
group practice	675		496	(46%)	179	(53%)
commun health ctr	67		42	(4%)	25	(7%)
hosp outpat clinic	152		113	(11%)	39	(12%)
school/college	15		11	(1%)	4	(1%)
business/worksites	15		13	(1%)	2	(1%)
hosp emergency room	85		67	(6%)	18	(5%)
hosp inpatient	106		85	(8%)	21	(6%)
ext care facility	2		2	(0%)	0	(0%)
unknown	1		1	(0%)	0	(0%)

Each physician is counted once in this table,
in their main practice setting.

Percentages are based on column totals.

Table 18 -- VT Physicians, 1998
Average Patient Care Hours per Week,
by Provider Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week				% Working Full Time	Other hrs/wk
		All Ages	Age < 45	Age 45-54	Age 55+		
ALL SPECIALTIES	1367	39	39	39	37	58%	8
PRIMARY CARE	554	39	37	41	41	56%	7
Family Practice	234	38	36	42	41	54%	6
Internal Medicine	158	41	38	39	47	61%	8
Pediatrics	100	35	33	39	34	44%	8
Ob/Gyn	62	44	47	45	36	65%	8
SPECIALTY CARE	813	39	41	38	35	60%	9
Anesthesiology	58	52	53	54	46	90%	8
Emergency Medicine	82	33	32	33	55	41%	8
Internal Medicine	124	35	36	33	37	48%	15
General Surgery	38	47	45	55	46	76%	5
Orthopedic Surgery	53	50	53	53	43	87%	9
Other Surgery	30	55	57	52	51	93%	10
Psychiatry	142	35	34	40	30	54%	8
Radiology	66	43	53	38	36	76%	6
Other Specialties	220	34	39	32	30	50%	9

'Full Time' is 40 (or more) hours of direct patient care per week in Vermont (see Note 22). The last column lists average hours per week engaged in teaching, administration and research.

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

Pathologists are excluded from this table (see Note 3).

Table 19 -- VT Physicians, 1998
Average Patient Care Hours per Week,
by Provider Gender, Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week				% Working Full Time	Other hrs/wk
		All Ages	Age < 45	Age 45-54	Age 55+	(%)	
MALES:							
ALL SPECIALTIES	1041	40	41	40	38	62%	9
PRIMARY CARE	371	42	41	43	42	65%	8
Family Practice	161	41	39	43	42	63%	6
Internal Medicine	118	44	44	41	47	69%	8
Pediatrics	55	38	34	43	36	55%	10
Ob/Gyn	37	43	55	43	36	70%	9
SPECIALTY CARE	670	39	42	39	35	60%	10
Anesthesiology	45	52	54	52	48	89%	9
Emergency Medicine	65	35	34	34	55	46%	8
Internal Medicine	110	35	35	33	36	47%	15
General Surgery	34	48	46	55	46	79%	5
Orthopedic Surgery	51	51	54	53	43	86%	9
Other Surgery	29	55	57	52	51	93%	10
Psychiatry	99	34	33	41	29	53%	9
Radiology	54	43	58	37	38	76%	7
Other Specialties	183	34	39	32	30	50%	9
FEMALES:							
ALL SPECIALTIES	326	35	35	36	33	45%	6
PRIMARY CARE	183	34	33	36	35	37%	5
Family Practice	73	32	31	36	20	34%	4
Internal Medicine	40	32	29	32	53	38%	5
Pediatrics	45	32	32	34	1	31%	5
Ob/Gyn	25	45	45	52	32	56%	7
SPECIALTY CARE	143	37	38	37	31	55%	8
Anesthesiology	13	52	49	64	30	92%	6
Emergency Medicine	17	27	28	24	.	24%	7
Internal Medicine	14	39	39	36	50	50%	20
General Surgery	4	40	40	.	.	50%	6
Orthopedic Surgery	2	40	40	.	.	100%	0
Other Surgery	1	50	50	.	.	100%	10
Psychiatry	43	36	36	36	34	56%	5
Radiology	12	43	46	48	10	75%	3
Other Specialties	37	34	37	31	24	49%	8

'Full Time' is 40 (or more) hours of direct patient care per week in Vermont (see Note 22). The last column lists average hours per week engaged in teaching, administration and research.

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

Pathologists are excluded from this table (see Note 3).

Table 20 -- VT Physicians, 1998
Average Patient Care Hours per Week,
by Provider Age, by County

County	Total	Average Patient Care Hours per Week				% Working Full Time	Other hrs/wk
		All Ages	Age < 45	Age 45-54	Age 55+		
STATEWIDE TOTAL						(%)	
Primary Care	554	39	37	41	41	56%	7
Specialists	813	39	41	38	35	60%	9
Addison County							
Primary Care	36	37	32	39	44	58%	4
Specialists	23	37	39	33	33	52%	3
Bennington County							
Primary Care	33	38	34	42	41	67%	5
Specialists	65	38	42	38	30	57%	4
Caledonia County							
Primary Care	25	39	42	39	31	52%	2
Specialists	25	40	38	45	38	52%	7
Chittenden County							
Primary Care	168	37	36	38	38	48%	11
Specialists	340	41	44	41	34	63%	14
Essex County							
Primary Care	1	40	40	.	.	100%	40
Specialists	1	80	.	80	.	100%	0
Franklin County							
Primary Care	29	44	41	47	50	59%	4
Specialists	26	43	47	37	41	65%	4
Grand Isle County							
Primary Care	1	33	.	.	33	0%	3
Specialists	.	.	.	.	.	.	.
Lamoille County							
Primary Care	24	38	31	44	35	54%	2
Specialists	16	43	44	42	40	69%	2
Orange County							
Primary Care	20	42	49	38	34	50%	6
Specialists	23	23	28	20	18	26%	6
Orleans County							
Primary Care	18	46	42	56	25	78%	2
Specialists	17	40	48	32	.	65%	5
Rutland County							
Primary Care	50	43	41	47	42	62%	5
Specialists	65	47	47	45	51	77%	7
Washington County							
Primary Care	43	45	41	48	49	70%	1
Specialists	68	41	37	43	44	62%	5
Windham County							
Primary Care	40	44	38	45	49	63%	3
Specialists	73	35	34	32	40	60%	4
Windsor County							
Primary Care	66	32	28	32	39	45%	12
Specialists	71	24	25	27	20	37%	10

'Full Time' is 40 (or more) hours of direct patient care per week in Vermont (see Note 22). The last column lists average hours per week engaged in teaching, administration and research. Each physician is counted once in this table, in their main specialty group, and, independently, in their main county of practice (see Note 2). See Note 1 for a description of the calculation of age. Pathologists are excluded from this table (see Note 3).

Table 21 -- VT Physicians, 1998
Physicians in Practice with Physician Assistants
and Nurse Practitioners, by Specialty

Specialty	Total Physicians	Number of Physicians in Practice with:		
		PA	NP	Either
TOTAL	1410	378	491	649 (46%)
PRIMARY CARE	554	179	265	326 (59%)
Family Practice	234	103	121	161 (69%)
Internal Medicine	158	54	78	96 (61%)
Pediatrics	100	13	41	44 (44%)
Ob/Gyn	62	9	25	25 (40%)
SPECIALTY CARE	856	199	226	323 (38%)
Anesthesiology	58	25	32	37 (64%)
Emergency Medicine	82	54	27	61 (74%)
Internal Medicine	124	17	38	42 (34%)
General Surgery	38	8	13	17 (45%)
Orthopedic Surgery	53	17	8	23 (43%)
Other Surgery	30	8	5	10 (33%)
Psychiatry	142	17	44	48 (34%)
Radiology	66	6	9	9 (14%)
Pathology	43	8	2	8 (19%)
Other Specialties	220	39	48	68 (31%)

Multiple PAs or NPs in practice with the same physician are counted as one, and multiple physicians may work with the same PA or NP. Physicians may work with PAs or NPs in one site but not in another. This table counts physicians, not sites nor PAs nor NPs. 129 physicians did not report whether they work with PAs or NPs, but they were included in the denominator for the percentage.

Table 22 -- VT Physicians, 1998
Physicians in Practice with Physician Assistants
and Nurse Practitioners, by Practice Setting

Setting	Total Physicians	Number of Physicians in Practice with:		
		PA	NP	Either
TOTAL, all settings	1410	378	491	649 (46%)
solo practice	292	30	35	54 (18%)
group practice	675	191	270	349 (52%)
commun health ctr	67	27	38	47 (70%)
hosp outpat clinic	152	50	69	83 (55%)
school/college	15	3	6	6 (40%)
business/worksites	15	4	5	6 (40%)
hosp emergency room	85	53	26	59 (69%)
hosp inpatient	106	19	40	43 (41%)
ext care facility	2	1	2	2 (100%)
unknown	1	0	0	0 (0%)

Multiple PAs or NPs in practice with the same physician are counted as one, and multiple physicians may work with the same PA or NP. Physicians may work with PAs or NPs in one site but not in another. This table counts physicians, not sites nor PAs nor NPs. 129 physicians did not report whether they work with PAs or NPs, but they were included in the denominator for the percentage.

Table 23 -- VT Physicians, 1998
Practice Availability by Specialty

Specialty	Offices	Plan to Continue Practice	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)	(%)
TOTAL	1408	98%	93%	87%	90%
PRIMARY CARE	595	98%	87%	81%	81%
Family Practice	250	98%	85%	76%	80%
Internal Medicine	166	98%	81%	73%	78%
Pediatrics	111	97%	92%	92%	n.a.
Ob/Gyn	68	99%	100%	98%	98%
SPECIALTY CARE	813	98%	97%	92%	95%
Anesthesiology	57	95%	100%	100%	100%
Internal Medicine	135	98%	98%	96%	98%
General Surgery	42	98%	100%	100%	100%
Orthopedic Surgery	61	100%	100%	100%	100%
Other Surgery	30	100%	100%	100%	100%
Psychiatry	172	98%	94%	77%	83%
Radiology	61	97%	100%	100%	100%
Other Specialties	255	98%	97%	92%	95%

Only office-based settings are included (see Note 11).

Each site a physician practices in is counted separately.

'Plan to Continue Practice' is for 12 months following the survey.

Denominators for percentages do not include unknowns.

Pathologists are excluded from this table (see Note 3).

See Note 10 regarding tabulation of availability.

Table 24 -- VT Physicians, 1998
Practice Availability by County

County	Offices	Plan to Continue Practice	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)	(%)
STATEWIDE TOTAL					
Primary Care	595	98%	87%	81%	81%
Specialists	813	98%	97%	92%	95%
Addison County					
Primary Care	37	100%	81%	80%	72%
Specialists	25	100%	95%	90%	95%
Bennington County					
Primary Care	36	97%	81%	64%	76%
Specialists	67	97%	100%	98%	100%
Caledonia County					
Primary Care	27	89%	88%	88%	85%
Specialists	25	96%	100%	92%	96%
Chittenden County					
Primary Care	177	99%	84%	77%	76%
Specialists	317	98%	98%	92%	95%
Essex County					
Primary Care	3	100%	100%	100%	100%
Specialists	1	100%	100%	100%	100%
Franklin County					
Primary Care	36	100%	89%	83%	81%
Specialists	35	97%	100%	100%	100%
Grand Isle County					
Primary Care	2	100%	100%	100%	100%
Specialists	0	.	.	.	.
Lamoille County					
Primary Care	24	100%	78%	73%	70%
Specialists	30	97%	96%	93%	92%
Orange County					
Primary Care	22	100%	95%	95%	94%
Specialists	26	92%	96%	92%	95%
Orleans County					
Primary Care	19	89%	94%	94%	92%
Specialists	19	84%	94%	89%	88%
Rutland County					
Primary Care	53	100%	90%	80%	83%
Specialists	60	100%	100%	100%	100%
Washington County					
Primary Care	45	100%	81%	78%	80%
Specialists	62	98%	97%	88%	91%
Windham County					
Primary Care	44	98%	95%	88%	88%
Specialists	68	99%	98%	94%	98%
Windsor County					
Primary Care	70	94%	97%	90%	94%
Specialists	78	99%	89%	77%	84%

Only office-based settings are included (see Note 11).
Each site a physician practices in is counted separately.
'Plan to Continue Practice' is for 12 months following the survey.
Denominators for percentages do not include unknowns.
Pathologists are excluded from this table (see Note 3).
See Note 10 regarding tabulation of availability.

Table 25 -- VT Physicians, 1998
Main and Secondary Specialties

Specialty	Main Specialty		Secondary Specialty	
	Number	Percent	Number	Percent
TOTAL	1410	100%	163	100%
PRIMARY CARE	554	39%	61	37%
Family Practice	234	17%	14	9%
Internal Medicine	158	11%	25	15%
Pediatrics	100	7%	13	8%
Ob/Gyn	62	4%	9	6%
SPECIALTY CARE	856	61%	102	63%
Anesthesiology	58	4%	3	2%
Emergency Medicine	82	6%	14	9%
Internal Medicine	124	9%	19	12%
General Surgery	38	3%	6	4%
Orthopedic Surgery	53	4%	0	0%
Other Surgery	30	2%	10	6%
Psychiatry	142	10%	6	4%
Radiology	66	5%	0	0%
Pathology	43	3%	1	1%
Other Specialties	220	16%	43	26%

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

Distribution of Physicians by Health Care Areas

Table 26 -- VT Physicians, 1998
Age by Health Care Area

Health Care Area	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	1410	90	538	478	146	83	75	11%
Primary Care	554	50	208	187	49	32	28	11%
Specialists	856	40	330	291	97	51	47	11%
Central Vermont								
Primary Care	43	1	15	22	3	0	2	5%
Specialists	70	2	21	32	11	1	3	6%
Chittenden								
Primary Care	176	18	74	58	8	13	5	10%
Specialists	365	15	156	117	35	23	19	12%
Copley								
Primary Care	22	1	6	12	1	0	2	9%
Specialists	17	0	8	5	2	1	1	12%
Gifford								
Primary Care	16	0	5	10	0	0	1	6%
Specialists	22	0	10	6	1	3	2	23%
North Country								
Primary Care	18	4	7	6	1	0	0	0%
Specialists	19	2	7	10	0	0	0	0%
Northeastern								
Primary Care	23	3	8	9	0	1	2	13%
Specialists	24	1	8	8	5	0	2	8%
Northwestern								
Primary Care	27	2	15	3	6	1	0	4%
Specialists	27	1	15	6	2	0	3	11%
Porter								
Primary Care	36	3	13	10	5	2	3	14%
Specialists	23	1	13	4	3	0	2	9%
Rutland								
Primary Care	50	9	16	10	5	5	5	20%
Specialists	70	6	25	24	10	5	0	7%
Southwestern								
Primary Care	35	3	14	12	3	1	2	9%
Specialists	66	3	25	22	9	3	4	11%
Springfield								
Primary Care	26	1	12	9	1	2	1	12%
Specialists	24	0	10	10	3	1	0	4%
Upper Conn Valley								
Primary Care	53	4	16	17	8	4	4	15%
Specialists	59	6	15	20	9	6	3	15%
Windham								
Primary Care	29	1	7	9	8	3	1	14%
Specialists	70	3	17	27	7	8	8	23%

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

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

Table 27 -- VT Physicians, 1998
Numbers of Physicians, Full Time Equivalents (FTEs), and
Total Weekly Patient Care Hours, by Health Care Area

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		1369 1102.0 53181	593 450.3 21397	866 651.7 31784
Central Vermont		121 96.5 4745	47 40.3 1945	79 56.2 2800
Chittenden		539 417.9 20244	197 138.4 6409	375 279.5 13835
Copley		57 33.8 1645	25 17.7 815	38 16.2 830
Gifford		47 25.5 1171	19 12.8 624	34 12.8 547
North Country		43 31.4 1588	20 15.6 804	27 15.9 784
Northeastern		54 39.6 1832	24 20.2 920	30 19.4 912
Northwestern		76 48.0 2397	33 24.1 1198	47 23.9 1199
Porter		75 49.8 2243	41 30.0 1343	39 19.7 900
Rutland		132 100.6 5128	53 41.8 2095	85 58.7 3033
Southwestern		110 82.9 3907	40 29.5 1361	74 53.4 2546
Springfield		55 41.3 1987	28 22.5 1123	29 18.8 864
Upper Conn Valley		125 62.2 2710	58 32.8 1481	74 29.3 1229
Windham		106 72.4 3584	33 24.5 1279	79 47.9 2305

In this table physicians may be counted more than once
(see notes 4 and 5).
Pathologists are excluded from this table (see Note 3).

Table 28 -- VT Physicians, 1998
Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),
and Total Weekly Patient Care Hours, by Health Care Area

Count FTEs Hours	PRIMARY CARE TOTAL	NON- OB/GYN TOTAL	FAMILY	INTERNAL	PEDIATRIC	OB/GYN CARE TOTAL	GYNECOL ONLY	OB / GYN
STATEWIDE TOTAL	593 450.3 21397	528 398.5 18678	248 190.7 8755	183 126.9 6254	113 80.9 3669	71 51.8 2719	12 5.5 262	64 46.2 2457
Central Vermont	47 40.3 1945	42 35.4 1674	25 21.4 1038	13 8.6 421	6 5.4 215	5 4.9 271	. . . .	5 4.9 271
Chittenden	197 138.4 6409	170 120.5 5464	71 50.4 2184	66 42.6 2040	39 27.5 1240	27 17.8 945	4 2.7 127	24 15.2 818
Copley	25 17.7 815	22 15.6 719	14 11.4 508	5 3.1 160	3 1.2 51	3 2.1 96	1 .6 25	3 1.5 71
Gifford	19 12.8 624	16 10.2 462	7 4.9 201	6 3.0 156	4 2.3 105	4 2.6 162	1 .2 6	3 2.4 156
North Country	20 15.6 804	18 13.6 704	7 6.1 310	8 5.2 269	4 2.2 125	2 2.0 100	. . . .	2 2.0 100
Northeastern	24 20.2 920	20 16.8 764	8 5.9 280	6 5.6 237	7 5.4 247	4 3.4 156	. . . .	4 3.4 156
Northwestern	33 24.1 1198	30 21.9 1062	14 10.5 466	10 6.2 309	6 5.2 287	4 2.2 136	. . . .	4 2.2 136
Porter	41 30.0 1343	38 27.0 1183	21 15.4 693	5 4.2 192	14 7.5 298	3 3.0 160	. . . .	3 3.0 160
Rutland	53 41.8 2095	46 36.8 1845	24 17.9 832	14 12.4 723	9 6.5 290	7 5.1 250	1 .1 4	6 5.0 246
Southwestern	40 29.5 1361	34 26.3 1219	21 15.7 715	10 7.6 364	3 3.0 140	6 3.2 142	1 1.0 40	5 2.2 102
Springfield	28 22.5 1123	24 20.2 973	9 7.5 349	8 7.5 405	7 5.2 219	5 2.3 150	2 .8 51	4 1.5 99
Upper Conn Valley	58 32.8 1481	55 32.2 1456	18 11.7 524	29 15.0 665	10 5.6 267	4 .6 25	2 .2 9	4 .4 16
Windham	33 24.5 1279	30 22.0 1153	16 12.0 655	9 5.9 313	5 4.1 185	4 2.5 126	. . . .	4 2.5 126

In this table physicians may be counted more than once (see notes 4 and 5).
See Note 6 for description of OB/GYN classification.

Table 29 -- VT Physicians, 1998
Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),
and Total Weekly Patient Care Hours, by Health Care Area

Count FTEs Hours	SPECIALTY CARE TOTAL	INTERN. MEDIC.	GEN. SURG.	ORTHO. SURG.	OTHER SURG.	ANESTHE- SIOLOGY	RADIO- LOGY	EMERG. MED.	PSYCH.	OTHER
STATEWIDE TOTAL	866 651.7 31784	143 90.5 4445	44 33.6 1775	53 48.8 2646	40 29.9 1691	61 56.3 3059	66 55.3 2833	96 63.0 2729	148 110.6 4970	263 163.8 7636
Central Vermont	79 56.2 2800	11 6.4 363	4 3.8 235	5 4.0 242	1 .2 10	6 6.0 338	3 2.3 110	9 6.0 238	19 14.0 615	23 13.6 649
Chittenden	375 279.5 13835	75 49.8 2421	10 8.0 483	19 18.1 987	19 17.5 1009	29 25.4 1460	30 26.6 1372	21 12.9 547	60 38.8 1717	126 82.6 3839
Copley	38 16.2 830	7 1.0 56	2 1.0 61	2 1.7 114	1 1.0 42	3 3.0 167	2 .4 33	5 4.3 182	5 1.5 64	13 2.3 111
Gifford	34 12.8 547	7 .7 32	2 1.5 60	1 .3 20	1 <.05 1	1 1.0 40	1 1.0 40	8 2.6 107	5 1.8 81	12 3.9 166
North Country	27 15.9 784	2 .6 37	. . . .	1 1.0 45	2 2.0 100	2 2.0 105	1 1.0 68	5 3.3 147	3 1.8 82	11 4.1 200
Northeastern	30 19.4 912	4 .4 23	4 3.1 140	2 2.0 100	2 .4 15	2 2.0 105	2 .8 60	5 4.5 218	4 1.8 75	7 4.4 176
Northwestern	47 23.9 1199	11 1.1 47	4 2.9 158	2 2.0 134	2 1.1 76	5 4.3 224	3 3.0 150	7 3.7 157	4 1.3 54	12 4.5 199
Porter	39 19.7 900	9 1.7 85	3 2.1 99	2 2.0 100	. . . .	1 1.0 60	2 2.0 90	8 4.7 187	6 2.5 117	9 3.7 162
Rutland	85 58.7 3033	18 10.1 549	1 1.0 50	6 5.9 310	7 4.3 262	2 1.3 60	6 5.1 273	14 9.0 374	9 7.1 379	29 15.1 776
Southwestern	74 53.4 2546	10 8.5 387	4 2.7 129	5 3.5 189	6 2.8 133	4 4.0 192	7 5.2 285	10 6.7 280	9 6.4 287	25 13.6 664
Springfield	29 18.8 864	3 .4 18	3 2.5 110	3 1.7 73	1 .5 36	3 3.0 150	3 2.8 122	1 .8 40	6 4.4 192	8 2.7 123
Upper Conn Valley	74 29.3 1229	14 4.8 194	2 1.2 56	3 1.8 84	1 .1 3	1 .5 18	6 1.9 75	2 .6 25	27 14.7 614	21 4.0 160
Windham	79 47.9 2305	12 5.1 233	5 3.9 194	6 4.8 248	2 .1 4	3 2.8 140	5 3.3 155	9 4.1 227	23 14.5 693	21 9.3 411

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

Table 30 -- VT Physicians, 1998
 Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)
 to Population, by Health Care Area

HCA	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	450.30	600269	75.02	1333
Central Vermont	40.30	66097	60.97	1640
Chittenden	138.36	160811	86.04	1162
Copley	17.68	24674	71.67	1395
Gifford	12.75	18127	70.35	1422
North Country	15.56	27116	57.38	1743
Northeastern	20.22	29372	68.86	1452
Northwestern	24.11	42252	57.07	1752
Porter	30.04	27427	109.54	913
Rutland	41.84	63934	65.44	1528
Southwestern	29.53	40371	73.15	1367
Springfield	22.53	25884	87.03	1149
Upper Conn Valley	32.85	42590	77.13	1296
Windham	24.51	31614	77.53	1290

Only primary care physicians are included in this table.

One FTE is defined as 40 (or more) hours per week (Note 22).
 The FTEs are rounded to two digits for display only.
 The ratios were calculated using the unrounded values,
 then rounded in turn to 2 digits for display.

Population figures are the post-2000-census re-estimates
 for 1998 (see Note 7).

(Also see notes 4 and 5.)

Distribution of Physicians by Hospital Service Areas

Table 31 -- VT Physicians, 1998
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	1410	90	538	478	146	83	75	11%
Primary Care	554	50	208	187	49	32	28	11%
Specialists	856	40	330	291	97	51	47	11%
Central Vermont								
Primary Care	39	1	14	20	2	0	2	5%
Specialists	63	2	20	28	10	1	2	5%
Chittenden								
Primary Care	184	18	78	59	9	14	6	11%
Specialists	365	15	156	117	35	23	19	12%
Copley								
Primary Care	16	1	3	9	1	0	2	13%
Specialists	16	0	8	5	2	1	0	6%
Gifford								
Primary Care	11	0	2	8	0	0	1	9%
Specialists	19	0	10	5	1	2	1	16%
North Country								
Primary Care	18	4	7	6	1	0	0	0%
Specialists	19	2	7	10	0	0	0	0%
Northeastern								
Primary Care	23	3	8	9	0	1	2	13%
Specialists	24	1	8	8	5	0	2	8%
Northwestern								
Primary Care	20	2	10	2	6	0	0	0%
Specialists	27	1	15	6	2	0	3	11%
Porter								
Primary Care	28	3	9	9	4	1	2	11%
Specialists	23	1	13	4	3	0	2	9%
Rutland								
Primary Care	50	9	16	10	5	5	5	20%
Specialists	70	6	25	24	10	5	0	7%
Southwestern								
Primary Care	33	3	13	11	3	1	2	9%
Specialists	66	3	25	22	9	3	4	11%
Springfield								
Primary Care	17	1	6	6	1	2	1	18%
Specialists	19	0	10	7	2	0	0	0%
Upper Conn Valley								
Primary Care	50	4	14	17	8	4	3	14%
Specialists	60	6	15	21	9	6	3	15%
Windham								
Primary Care	29	1	7	9	8	3	1	14%
Specialists	70	3	17	27	7	8	8	23%
Contested areas								
Primary Care	36	0	21	12	1	1	1	6%
Specialists	15	0	1	7	2	2	3	33%

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

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

Table 32 -- VT Physicians, 1998
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	1369 1102.0 53181	593 450.3 21397	866 651.7 31784	
Central Vermont	110 87.5 4345	43 36.7 1770	72 50.7 2575	
Chittenden	547 425.4 20572	205 145.8 6737	375 279.5 13835	
Copley	44 28.2 1389	20 13.2 609	30 15.1 780	
Gifford	40 20.8 954	14 8.6 430	29 12.2 524	
North Country	43 31.4 1588	20 15.6 804	27 15.9 784	
Northeastern	54 39.6 1832	24 20.2 920	30 19.4 912	
Northwestern	69 41.7 2124	26 17.9 927	46 23.8 1197	
Porter	68 42.3 1915	34 22.6 1015	39 19.7 900	
Rutland	132 100.6 5128	53 41.8 2095	85 58.7 3033	
Southwestern	107 80.3 3774	37 27.5 1256	73 52.8 2518	
Springfield	38 29.5 1420	17 15.4 786	23 14.1 634	
Upper Conn Valley	122 59.9 2620	55 30.6 1391	74 29.3 1229	
Windham	106 72.4 3584	33 24.5 1279	79 47.9 2305	
Contested areas	73 42.4 1936	44 30.0 1378	31 12.4 558	

In this table physicians may be counted more than once
(see notes 4 and 5).
Pathologists are excluded from this table (see Note 3).

Table 33 -- VT Physicians, 1998
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	NON- OB/GYN TOTAL	FAMILY	INTERNAL	PEDIATRIC	OB/GYN CARE TOTAL	GYNECOL ONLY	OB / GYN
STATEWIDE TOTAL		593 450.3 21397	528 398.5 18678	248 190.7 8755	183 126.9 6254	113 80.9 3669	71 51.8 2719	12 5.5 262	64 46.2 2457
Central Vermont		43 36.7 1770	38 31.8 1499	21 18.2 883	12 8.2 401	6 5.4 215	5 4.9 271	. . . .	5 4.9 271
Chittenden		205 145.8 6737	178 128.0 5792	78 56.9 2472	66 42.6 2040	40 28.5 1280	27 17.8 945	4 2.7 127	24 15.2 818
Copley		20 13.2 609	17 11.1 513	9 6.8 302	5 3.1 160	3 1.2 51	3 2.1 96	1 .6 25	3 1.5 71
Gifford		14 8.6 430	11 6.0 268	5 2.8 117	4 2.1 106	2 1.1 45	4 2.6 162	1 .2 6	3 2.4 156
North Country		20 15.6 804	18 13.6 704	7 6.1 310	8 5.2 269	4 2.2 125	2 2.0 100	. . . .	2 2.0 100
Northeastern		24 20.2 920	20 16.8 764	8 5.9 280	6 5.6 237	7 5.4 247	4 3.4 156	. . . .	4 3.4 156
Northwestern		26 17.9 927	24 15.8 799	10 6.8 303	8 4.7 247	6 4.3 249	3 2.1 128	. . . .	3 2.1 128
Porter		34 22.6 1015	31 19.6 855	15 8.9 405	5 4.2 192	13 6.5 258	3 3.0 160	. . . .	3 3.0 160
Rutland		53 41.8 2095	46 36.8 1845	24 17.9 832	14 12.4 723	9 6.5 290	7 5.1 250	1 .1 4	6 5.0 246
Southwestern		37 27.5 1256	31 24.2 1114	19 14.7 650	9 6.6 324	3 3.0 140	6 3.2 142	1 1.0 40	5 2.2 102
Springfield		17 15.4 786	15 13.2 640	4 3.5 157	6 5.5 305	5 4.2 178	3 2.2 146	2 .8 51	2 1.4 95
Upper Conn Valley		55 30.6 1391	52 30.0 1369	15 9.6 439	29 15.0 665	9 5.5 265	3 .6 22	2 .2 9	3 .3 13
Windham		33 24.5 1279	30 22.0 1153	16 12.0 655	9 5.9 313	5 4.1 185	4 2.5 126	. . . .	4 2.5 126
Contested areas		44 30.0 1378	41 29.7 1363	28 20.7 950	8 5.8 272	8 3.2 141	4 .3 15	. . . .	4 .3 15

In this table physicians may be counted more than once (see notes 4 and 5).
See Note 6 for description of OB/GYN classification.

Table 34 -- VT Physicians, 1998
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	INTERN. MEDIC.	GEN. SURG.	ORTHO. SURG.	OTHER SURG.	ANESTHE- SIOLOGY	RADIO- LOGY	EMERG. MED.	PSYCH.	OTHER
STATEWIDE TOTAL	866 651.7 31784	143 90.5 4445	44 33.6 1775	53 48.8 2646	40 29.9 1691	61 56.3 3059	66 55.3 2833	96 63.0 2729	148 110.6 4970	263 163.8 7636
Central Vermont	72 50.7 2575	11 6.4 363	4 3.8 235	5 4.0 242	1 .2 10	6 6.0 338	3 2.3 110	9 6.0 238	12 9.1 410	22 13.1 629
Chittenden	375 279.5 13835	75 49.8 2421	10 8.0 483	19 18.1 987	19 17.5 1009	29 25.4 1460	30 26.6 1372	21 12.9 547	60 38.8 1717	126 82.6 3839
Copley	30 15.1 780	7 1.0 56	2 1.0 61	2 1.6 110	1 1.0 42	3 3.0 167	1 .3 30	5 4.3 182	4 1.2 51	7 1.7 81
Gifford	29 12.2 524	7 .7 32	2 1.5 60	1 .3 20	1 <.05 1	1 1.0 40	1 1.0 40	8 2.6 107	3 1.6 75	8 3.5 149
North Country	27 15.9 784	2 .6 37	. . . .	1 1.0 45	2 2.0 100	2 2.0 105	1 1.0 68	5 3.3 147	3 1.8 82	11 4.1 200
Northeastern	30 19.4 912	4 .4 23	4 3.1 140	2 2.0 100	2 .4 15	2 2.0 105	2 .8 60	5 4.5 218	4 1.8 75	7 4.4 176
Northwestern	46 23.8 1197	11 1.1 47	4 2.9 158	2 2.0 134	2 1.1 76	5 4.3 224	3 3.0 150	7 3.7 157	4 1.3 54	11 4.4 197
Porter	39 19.7 900	9 1.7 85	3 2.1 99	2 2.0 100	. . . .	1 1.0 60	2 2.0 90	8 4.7 187	6 2.5 117	9 3.7 162
Rutland	85 58.7 3033	18 10.1 549	1 1.0 50	6 5.9 310	7 4.3 262	2 1.3 60	6 5.1 273	14 9.0 374	9 7.1 379	29 15.1 776
Southwestern	73 52.8 2518	10 8.5 387	4 2.7 129	5 3.5 189	6 2.8 133	4 4.0 192	7 5.2 285	10 6.5 272	9 6.4 287	24 13.2 644
Springfield	23 14.1 634	3 .4 18	2 2.0 80	2 1.7 70	. . . .	3 3.0 150	3 2.8 122	1 .8 40	2 .8 31	8 2.7 123
Upper Conn Valley	74 29.3 1229	14 4.8 194	2 1.2 56	3 1.8 84	1 .1 3	1 .5 18	6 1.9 75	2 .6 25	27 14.7 614	21 4.0 160
Windham	79 47.9 2305	12 5.1 233	5 3.9 194	6 4.8 248	2 .1 4	3 2.8 140	5 3.3 155	9 4.1 227	23 14.5 693	21 9.3 411
Contested areas	31 12.4 558	. . . .	1 .5 30	2 .1 7	1 .5 36	. . . .	1 .1 3	1 .2 8	15 9.0 385	14 2.0 89

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

Table 35 -- VT Physicians, 1998
 Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)
 to Population, by Hospital Service Area

HSA	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	450.30	600269	75.02	1333
Central Vermont	36.71	52224	70.29	1423
Chittenden	145.83	170940	85.31	1172
Copley	13.17	20509	64.20	1558
Gifford	8.58	7878	108.89	918
North Country	15.56	25339	61.40	1629
Northeastern	20.22	25030	80.80	1238
Northwestern	17.86	22636	78.89	1268
Porter	22.57	14515	155.50	643
Rutland	41.84	63934	65.44	1528
Southwestern	27.45	34718	79.08	1265
Springfield	15.41	16677	92.39	1082
Upper Conn Valley	30.60	40629	75.32	1328
Windham	24.51	31614	77.53	1290
Contested areas	29.99	73626	40.73	2455

Only primary care physicians are included in this table.

One FTE is defined as 40 (or more) hours per week (Note 22).
 The FTEs are rounded to two digits for display only.
 The ratios were calculated using the unrounded values,
 then rounded in turn to 2 digits for display.

Population figures are the post-2000-census re-estimates
 for 1998 (see Note 7).

(Also see notes 4 and 5.)

Distribution of Physicians by Area Health Education Center (AHEC) Regions

Table 36 -- VT Physicians, 1998
Age by AHEC Region

AHEC Region	Total	Number in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
STATEWIDE TOTAL								
Total	1410	90	538	478	146	83	75	11%
Primary Care	554	50	208	187	49	32	28	11%
Specialists	856	40	330	291	97	51	47	11%
Champlain Valley								
Primary Care	234	23	100	68	19	16	8	10%
Specialists	414	17	183	128	39	23	24	11%
Northeast VT								
Primary Care	131	10	45	61	6	1	8	7%
Specialists	154	5	55	61	20	5	8	8%
Southern VT								
Primary Care	189	17	63	58	24	15	12	14%
Specialists	288	18	92	102	38	23	15	13%

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).

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

Table 37 -- VT Physicians, 1998
 Numbers of Physicians, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by AHEC region

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	1369 1102.0 53181	593 450.3 21397	866 651.7 31784
Champlain Valley	642 511.2 24686	258 188.4 8777	426 322.8 15909
Northeast VT	318 235.3 11378	142 113.5 5423	197 121.8 5955
Southern VT	493 355.4 17117	204 148.4 7197	315 207.1 9920

In this table physicians may be counted more than once
 (see notes 4 and 5).
 Pathologists are excluded from this table (see Note 3).

Table 38 -- VT Physicians, 1998
Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),
and Total Weekly Patient Care Hours, by AHEC Region

Count FTEs Hours	PRIMARY CARE TOTAL	NON- OB/GYN TOTAL	FAMILY	INTERNAL	PEDIATRIC	OB/GYN CARE TOTAL	GYNECOL ONLY	OB / GYN
STATEWIDE TOTAL	593 450.3 21397	528 398.5 18678	248 190.7 8755	183 126.9 6254	113 80.9 3669	71 51.8 2719	12 5.5 262	64 46.2 2457
Champlain Valley	258 188.4 8777	226 165.4 7536	101 72.2 3170	76 53.1 2541	57 40.2 1825	33 23.1 1241	4 2.7 127	30 20.4 1114
Northeast VT	142 113.5 5423	125 98.5 4635	68 56.1 2621	37 25.2 1219	25 17.2 795	19 15.0 788	2 .8 31	18 14.2 757
Southern VT	204 148.4 7197	187 134.7 6507	84 62.5 2964	73 48.7 2494	33 23.5 1049	20 13.7 690	6 2.1 104	17 11.6 586

In this table physicians may be counted more than once (see notes 4 and 5).
See Note 6 for description of OB/GYN classification.

Table 39 -- VT Physicians, 1998
Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),
and Total Weekly Patient Care Hours, by AHEC Region

Count FTEs Hours	SPECIALTY CARE TOTAL	INTERN. MEDIC.	GEN. SURG.	ORTHO. SURG.	OTHER SURG.	ANESTHE- SIOLOGY	RADIO- LOGY	EMERG. MED.	PSYCH.	OTHER
STATEWIDE TOTAL	866	143	44	53	40	61	66	96	148	263
	651.7	90.5	33.6	48.8	29.9	56.3	55.3	63.0	110.6	163.8
	31784	4445	1775	2646	1691	3059	2833	2729	4970	7636
Champlain Valley	426	78	17	23	21	34	34	35	64	136
	322.8	52.6	12.9	22.1	18.6	30.7	31.2	21.2	42.6	90.8
	15909	2553	740	1221	1085	1744	1587	891	1888	4200
Northeast VT	197	28	12	11	7	14	9	31	34	61
	121.8	9.3	9.4	9.1	3.6	14.0	5.8	20.6	22.0	28.1
	5955	521	496	521	168	755	336	892	973	1293
Southern VT	315	56	15	21	14	13	27	34	61	95
	207.1	28.6	11.2	17.7	7.8	11.5	18.2	21.2	46.0	44.9
	9920	1371	539	904	438	560	910	946	2109	2143

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

Table 40 -- VT Physicians, 1998
 Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)
 to Population, by AHEC Region

AHEC region	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	450.30	600269	75.02	1333
Champlain Valley	188.44	230233	81.85	1222
Northeast VT	113.49	169554	66.93	1494
Southern VT	148.37	200482	74.01	1351

Only primary care physicians are included in this table.

One FTE is defined as 40 (or more) hours per week (Note 22).
 The FTEs are rounded to 2 digits for display only.
 The ratios were calculated using the unrounded values,
 then rounded in turn to 2 digits for display.

Population figures are the post-2000-census re-estimates
 for 1998 (see Note 7).

(Also see notes 4 and 5.)

Detailed Comparison Between 1996 and 1998

Table 41 -- VT Physicians, 1996 and 1998
Changes in Number of Physicians, Patient Care Hours
and Specialties, between 1996 and 1998

	1996	1998	Change	
TOTAL	1384	1410	+26	+2%
Medical Doctor (MD)	1351	1374	+23	+2%
Doctor of Osteopathy (DO)	33	36	+3	+9%
Age groups:				
less than 35	109	90	-19	-17%
35 - 44	539	538	-1	-0%
45 - 54	449	478	+29	+6%
55 - 64	208	229	+21	+10%
65 and up	77	75	-2	-3%
Gender:				
Male	1076	1071	-5	-0%
Female	308	339	+31	+10%
Patient care hours:				
40 or more hours/week	756	817	+61	+8%
30 to 39 hours/week	246	227	-19	-8%
less than 30 hours/week	382	366	-16	-4%
Main specialty:				
Primary Care Total	535	554	+19	+4%
Family Practice	227	234	+7	+3%
Primary Care Internal Medicine	155	158	+3	+2%
Pediatric Primary Care	90	100	+10	+11%
Obstetrics and Gynecology	63	62	-1	-2%
Specialty Care Total	849	856	+7	+1%
Anesthesiology	60	58	-2	-3%
Emergency Medicine	81	82	+1	+1%
Internal Medicine Specialties	124	124	0	0%
General Surgery	50	38	-12	-24%
Orthopedic Surgery	50	53	+3	+6%
Other Surgery	24	30	+6	+25%
Psychiatry	152	142	-10	-7%
Radiology	61	66	+5	+8%
Pathology	42	43	+1	+2%
Other Specialties	205	220	+15	+7%

Table 42 -- VT Physicians, 1996 and 1998
Numbers of Physicians, Full Time Equivalents (FTEs), and Total
Weekly Patient Care Hours, by County, in 1996 and in 1998

	Count FTEs Hours	1996			1998		
		TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATE TOTAL		1343 1061.5 51460	565 438.2 21155	875 623.3 30305	1369 1102.0 53181	593 450.3 21397	866 651.7 31784
Addison County		65 43.5 1965	34 25.3 1123	35 18.2 842	75 49.8 2243	41 30.0 1343	39 19.7 900
Bennington County		106 77.9 3872	41 29.2 1474	72 48.7 2398	107 80.1 3763	37 27.4 1249	72 52.7 2514
Caledonia County		60 40.6 1984	24 20.4 978	37 20.1 1006	57 41.2 1905	27 21.7 988	31 19.5 917
Chittenden County		511 392.8 18950	186 129.9 6028	368 262.9 12922	530 410.8 19914	189 131.6 6104	374 279.2 13810
Essex County		4 1.7 80	4 1.7 80	. . . .	4 2.0 110	4 1.7 80	1 .4 30
Franklin County		74 48.6 2436	35 27.4 1379	41 21.1 1057	77 49.8 2493	34 26.0 1294	47 23.9 1199
Grand Isle County		3 1.1 43	2 1.0 41	1 .1 2	2 .9 36	2 .9 36	.. ..
Lamoille County		58 36.5 1806	23 19.3 938	38 17.2 868	60 35.5 1725	27 19.2 875	38 16.4 850
Orange County		57 31.0 1430	23 17.9 812	36 13.1 618	54 29.6 1375	23 15.7 771	36 13.9 604
Orleans County		43 26.8 1291	16 11.6 590	29 15.2 701	44 30.5 1523	21 15.0 769	27 15.5 754
Rutland County		126 99.3 4963	49 40.7 2056	83 58.6 2907	132 100.6 5128	53 41.8 2095	85 58.7 3033
Washington County		120 94.0 4798	46 39.5 2039	80 54.5 2759	121 96.4 4740	47 40.2 1940	79 56.2 2800
Windham County		123 82.3 3958	41 33.1 1668	90 49.2 2290	119 87.1 4307	44 32.9 1690	85 54.3 2617
Windsor County		163 85.5 3884	65 41.0 1949	104 44.5 1935	156 87.7 3919	76 46.3 2163	88 41.3 1756

In this table physicians may be counted more than once (see notes 4 and 5).

Pathologists are excluded in this table (see Note 3).

Table 43 -- Physicians who Discontinued
their Vermont Practice between 1996 and 1998:
Count of Physicians, Full Time Equivalents (FTEs), and
Total Weekly Patient Care Hours (in 1996), by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	188 115.4 5411	62 41.8 2021	137 73.7 3390
Addison County	2 1.1 55	1 1.0 50	1 .1 5
Bennington County	15 9.9 448	6 3.4 150	10 6.6 298
Caledonia County	4 1.2 49	1 1.0 40	3 .2 9
Chittenden County	54 40.1 1864	18 13.2 586	39 26.9 1278
Essex County	.. .. .	.. .. .	.. .. .
Franklin County	6 4.5 199	3 2.5 120	3 2.0 79
Grand Isle County	1 .1 2	. . . . .	1 .1 2
Lamoille County	5 2.4 123	1 .5 20	4 1.9 103
Orange County	8 2.6 123	3 1.7 88	5 .9 35
Orleans County	6 2.9 142	1 .0 1	5 2.9 141
Rutland County	20 17.0 839	8 6.1 327	13 10.9 512
Washington County	15 8.6 470	6 4.6 283	12 4.1 187
Windham County	24 8.7 377	5 4.2 178	19 4.5 199
Windsor County	43 16.2 720	10 3.6 178	34 12.6 542

In this table physicians may be counted more than once
(see notes 4 and 5). Pathologists are excluded (Note 3).

Table 44 -- VT Physicians Active in 1998
who were Not Active in 1996:
Count of Physicians, Full Time Equivalents (FTEs), and
Total Weekly Patient Care Hours (in 1998), by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	215 150.8 6914	92 66.0 2909	132 84.7 4005
Addison County	9 6.0 249	6 4.8 200	3 1.2 49
Bennington County	17 12.0 547	4 3.4 137	13 8.6 410
Caledonia County	5 4.2 211	4 4.0 204	1 .2 7
Chittenden County	75 53.6 2523	24 16.1 698	53 37.5 1825
Essex County	.	.	.
Franklin County	12 7.3 308	5 3.3 130	7 4.1 178
Grand Isle County	.	.	.
Lamoille County	6 2.9 160	3 1.8 76	3 1.1 84
Orange County	5 2.2 88	1 1.0 41	4 1.2 47
Orleans County	7 5.1 220	4 3.1 140	4 2.0 80
Rutland County	30 21.2 1025	13 10.0 442	18 11.2 583
Washington County	17 9.6 453	7 4.8 232	11 4.9 221
Windham County	19 9.8 416	7 4.4 195	15 5.3 221
Windsor County	34 16.9 714	17 9.4 414	18 7.5 300

In this table physicians may be counted more than once
(see notes 4 and 5). Pathologists are excluded (Note 3).

Table 45
VT Physicians Active in 1998 who were Not Active in 1996:
Age (in 1998) by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	222	51	111	40	11	1	8	4%
MALES	147	31	72	25	10	1	8	6%
FEMALES	75	20	39	15	1	.	.	.%
PRIMARY CARE	88	30	41	12	4	0	1	1%
Family Practice	44	15	25	3	1	0	0	0%
Internal Medicine	23	7	9	5	2	0	0	0%
Pediatrics	17	7	6	2	1	0	1	6%
Ob/Gyn	4	1	1	2	0	0	0	0%
SPECIALTY CARE	134	21	70	28	7	1	7	6%
Anesthesiology	8	3	4	1	0	0	0	0%
Emergency Medicine	13	3	8	2	0	0	0	0%
Internal Medicine	24	5	15	4	0	0	0	0%
General Surgery	2	1	1	0	0	0	0	0%
Orthopedic Surgery	10	0	6	1	1	1	1	20%
Other Surgery	5	1	4	0	0	0	0	0%
Psychiatry	22	3	11	4	2	0	2	9%
Radiology	8	0	3	3	1	0	1	13%
Pathology	7	0	4	2	1	0	0	0%
Other Specialties	35	5	14	11	2	0	3	9%

	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	23%	50%	18%	5%	0%	4%	4%
MALES	100%	21%	49%	17%	7%	1%	5%	6%
FEMALES	100%	27%	52%	20%	1%	.%	.%	.%
PRIMARY CARE	100%	34%	47%	14%	5%	0%	1%	1%
SPECIALTY CARE	100%	16%	52%	21%	5%	1%	5%	6%

(See Note 1 for description of calculation of age.)

Table 46
Physicians who Discontinued their Vermont Practice between 1996 and 1998:
Age (in 1996) by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	196	28	57	45	18	23	25	24%
MALES	152	18	37	37	17	20	23	28%
FEMALES	44	10	20	8	1	3	2	11%
PRIMARY CARE	60	10	18	13	2	7	10	28%
Family Practice	30	6	10	8	1	1	4	17%
Internal Medicine	17	2	5	3	1	3	3	35%
Pediatrics	7	1	2	1	0	2	1	43%
Ob/Gyn	6	1	1	1	0	1	2	50%
SPECIALTY CARE	136	18	39	32	16	16	15	23%
Anesthesiology	10	3	1	3	1	2	0	20%
Emergency Medicine	14	3	8	2	1	0	0	0%
Internal Medicine	16	4	7	2	0	2	1	19%
General Surgery	7	1	1	1	2	1	1	29%
Orthopedic Surgery	8	0	1	3	1	1	2	38%
Other Surgery	4	0	1	3	0	0	0	0%
Psychiatry	32	1	8	9	4	4	6	31%
Radiology	6	0	2	1	1	1	1	33%
Pathology	8	1	1	3	2	1	0	13%
Other Specialties	31	5	9	5	4	4	4	26%

	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	14%	29%	23%	9%	12%	13%	24%
MALES	100%	12%	24%	24%	11%	13%	15%	28%
FEMALES	100%	23%	45%	18%	2%	7%	5%	11%
PRIMARY CARE	100%	17%	30%	22%	3%	12%	17%	28%
SPECIALTY CARE	100%	13%	29%	24%	12%	12%	11%	23%

(See Note 1 for description of calculation of age.)

Table 47
VT Physicians by Length of Time Active in VT as of 1996,
and Whether Still Active in Vermont in 1998

Tenure in VT as of 1996	Physicians Active in 1996	Still Active in VT in 1998	No Longer Active in VT in 1998
TOTAL	1384 (100%)	1188	196 (14%)
1 year	99 (7%)	71	28 (28%)
2-4 years	258 (19%)	212	46 (18%)
5-9 years	312 (23%)	279	33 (11%)
10-19 years	369 (27%)	333	36 (10%)
20+ years	326 (24%)	279	47 (14%)
unknown	20 (1%)	14	6 (30%)

Percentages in the 'Active in 1996' column are based on the 'TOTAL' row. Percentages in the 'No Longer Active' column are based on the 'Active in 1996' column.

Table 48
VT Primary Care Physicians by Length of Time Active in VT
as of 1996, and Whether Still Active in Vermont in 1998

Tenure in VT as of 1996	PC Physicians Active in 1996	Still Active in VT in 1998	No Longer Active in VT in 1998
TOTAL	535 (100%)	475	60 (11%)
1 year	31 (6%)	24	7 (23%)
2-4 years	81 (15%)	67	14 (17%)
5-9 years	122 (23%)	113	9 (7%)
10-19 years	146 (27%)	135	11 (8%)
20+ years	149 (28%)	130	19 (13%)
unknown	6 (1%)	6	0 (0%)

Percentages in the 'Active in 1996' column are based on the 'TOTAL' row. Percentages in the 'No Longer Active' column are based on the 'Active in 1996' column.

Appendices

Appendix A. General Notes and Terms

Definition of Active Physician

A physician who was relicensed for the period 1999-2000 in Vermont, and who provided patient care hours in Vermont (not as locum tenens) as reported in the survey, is considered an active physician.

Physicians not represented in these tables

Only *active* physicians are reported. Those who hold a Vermont license but are not actively in practice are excluded from all tables. Residents, clinical fellows, research fellows, and locum tenens physicians are excluded from all tables.

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

Specialty Care

- Anesthesiology
- Emergency Medicine
- Internal Medicine includes several internal medicine subspecialties, and also general internal medicine and geriatric internal medicine (which would otherwise be considered primary care) if the physician practiced *only* in an inpatient setting.
- General Surgery
- Orthopedic Surgery
- Other Surgery includes most other (non-orthopedic) surgical specialties, such as general vascular surgery, abdominal surgery, cardiovascular surgery, colon and rectal surgery, neurological surgery, oral and maxillofacial surgery, pediatric surgery, surgical critical care, thoracic surgery, and traumatic surgery.
- Psychiatry
- Radiology
- Pathology (excluded from some tables as noted)
- Other Specialties includes all specific specialties that are not included in the above specialty groups, plus primary care specialties that were reported as being practiced in a non-primary care setting (e.g., family practice in the emergency department of a hospital), except for general internal medicine (see Internal Medicine 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 specific specialties over the "other specialties" category, in case of a tie.

Determination of a physician's main setting

Main setting is the practice setting in which the physician provides the greatest number of patient care hours.

Physicians who practice exclusively in hospital settings

If **all** of a physician's patient care settings at all sites are "hospital inpatient", then the physician is considered to be a specialist, even if primary care specialties are reported. In that case, general internal medicine is considered to be "specialty care internal medicine", and all other primary care specialties are considered to belong in the "other specialties" category.

However, if **some** of the physician's primary care patient care is in the inpatient setting, and some is in the outpatient setting, then both are considered to be primary care.

Definition of Full Time Equivalent (FTE)

Full time is defined as 40 patient care hours (or more) per week. A physician reporting more than 40 hours per week is defined as *one* FTE regardless of the number of hours. (In the 1998 survey the physicians were not asked about the number of weeks per year, in cases of irregular practice an attempt was made to determine average weekly hours.)

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 1998 survey were calculated as of 12/31/98, based on the date of birth. For example, a person born on any date in 1958 is considered 40 years old. Tables that refer to physicians' age in 1996 are based on ages as of the end of 1996.

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

Pathology specialties are excluded from this table. 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 Equivalents (FTE) and Hours by County (or town, or other areas):

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 provider 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.

5. Hospital hours apportioned back to the town of the provider’s office

Some providers providing primary care in office practices spend a portion of their time visiting hospitalized patients. In order to reflect the fact that these hours pertain to patients from the office practice, any reported primary care hours in the “hospital inpatient” setting are reassigned to the town where the provider’s office is located. If the provider has more than one office practice location, each receives a share of the hospital inpatient time, in proportion to the patient care time reported for each office practice. Only “hospital inpatient” primary care hours are handled in this manner. Other hospital work (in the emergency room, or in a hospital outpatient clinic or subspecialty work) is assumed to be unrelated to the provider’s office practice.

6. **Obstetrics, Gynecology, and Obstetrics and Gynecology**
 “Gynecology Only” was listed separately from “OB/Gyn” so that providers not providing Obstetric services could be accounted for. “OB/Gyn Care Total” is the combined total of “Gynecology only” and “OB/Gyn”.
7. **Population Estimates**
 The population estimates are for 1998, but are re-estimates made after the 2000 census. They differ from previously published figures for 1998.
8. **“Main” Setting and “Main” Specialty determined independently**
 Each provider’s main practice setting and their main specialty are determined independently, and are used to determine the row and column in the table in which the provider will be counted. Secondary settings and specialties are ignored. A provider may practice their main specialty primarily in a setting other than their main overall setting, but that is ignored in this table.
9. **“Main” Setting, “Main” Specialty, “Main” County determined independently**
 Each provider’s main specialty, main practice setting, and main county of practice are determined independently, and are used to determine the row and column in the table in which the provider will be counted. Secondary specialties, settings and counties are ignored. A provider may practice in their main setting primarily in a county other than their main overall county, but that is ignored in this table.
10. **Notes regarding Availability of Care**
 The survey form allowed the provider to answer the “availability” questions (e.g., whether they accept new patients) separately for each site (see the survey instrument, Appendix C). Therefore, in the tables about availability of care, 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, or providing care in more than one setting within a site. Each response is tabulated under the (main) specialty reported, whether or not that is the provider’s main specialty.

 The following specialties are excluded from the “accept Medicare patients” statistic (both numerator and denominator): all pediatric specialties (including adolescent medicine), maternal and fetal medicine, reproductive endocrinology, and child and adolescent psychiatry.
11. **Office settings only**
 Only office settings are counted. Included are private practices (both solo and group), community health centers, and hospital outpatient clinics. Emergency medicine reported as done in an office setting is not counted.

(note indices 12 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. Some providers provide additional patient care outside Vermont (not listed), or do some other types of work besides direct patient care.



VERMONT DEPARTMENT OF HEALTH

PHYSICIAN SURVEY

For each location where you provide patient care, **enter the name of the town**, one **practice setting**, up to three **specialty codes** from the yellow list, and the average **hours per week** you spend providing **DIRECT PATIENT CARE** within each specialty. Include both ambulatory care and hospital care of patients who originate from this site. Please exclude on-call hours.

2

Vermont License Number

0	4	2	-	0	0						
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(Please re-enter your license number for scanning purposes)

(If you cannot locate specialty(ies) on the yellow sheet, please write in the specialty name under the box(es).)

SITE ONE - (Enter town in which site is located, not a mailing address)

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

(Choose one practice setting:)

- ☐ Solo Practice
- ☐ Group Practice
- ☐ Community Health Center/Clinic
- ☐ Hospital Outpatient Clinic
- ☐ School or College Health Center
- ☐ Business or Work Site
- ☐ Hospital Emergency Room
- ☐ Hospital Inpatient
- ☐ Extended Care/Nursing Home
- ☐ Locum tenens

(Please answer every question:)

- ☐ Yes ☐ No I plan to continue here for the next 12 mos
- ☐ Yes ☐ No I will accept new patients here
- ☐ Yes ☐ No I will accept new Medicaid patients here
- ☐ Yes ☐ No I will accept new Medicare patients here
- ☐ Yes ☐ No I am working with Physician Assistants here
- ☐ Yes ☐ No I am working with Nurse Practitioners here

First Specialty

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Hours

--	--

Second Specialty

--	--	--	--

Hours

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Third Specialty

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Hours

--	--

SITE TWO - (Enter town in which site is located, not a mailing address)

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

(Choose one practice setting:)

- ☐ Solo Practice
- ☐ Group Practice
- ☐ Community Health Center/Clinic
- ☐ Hospital Outpatient Clinic
- ☐ School or College Health Center
- ☐ Business or Work Site
- ☐ Hospital Emergency Room
- ☐ Hospital Inpatient
- ☐ Extended Care/Nursing Home
- ☐ Locum tenens

(Please answer every question:)

- ☐ Yes ☐ No I plan to continue here for the next 12 mos
- ☐ Yes ☐ No I will accept new patients here
- ☐ Yes ☐ No I will accept new Medicaid patients here
- ☐ Yes ☐ No I will accept new Medicare patients here
- ☐ Yes ☐ No I am working with Physician Assistants here
- ☐ Yes ☐ No I am working with Nurse Practitioners here

First Specialty

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Hours

--	--

Second Specialty

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Hours

--	--

Third Specialty

--	--	--	--

Hours

--	--

SITE THREE - (Enter town in which site is located, not a mailing address)

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

(Choose one practice setting:)

- ☐ Solo Practice
- ☐ Group Practice
- ☐ Community Health Center/Clinic
- ☐ Hospital Outpatient Clinic
- ☐ School or College Health Center
- ☐ Business or Work Site
- ☐ Hospital Emergency Room
- ☐ Hospital Inpatient
- ☐ Extended Care/Nursing Home
- ☐ Locum tenens

(Please answer every question:)

- ☐ Yes ☐ No I plan to continue here for the next 12 mos
- ☐ Yes ☐ No I will accept new patients here
- ☐ Yes ☐ No I will accept new Medicaid patients here
- ☐ Yes ☐ No I will accept new Medicare patients here
- ☐ Yes ☐ No I am working with Physician Assistants here
- ☐ Yes ☐ No I am working with Nurse Practitioners here

First Specialty

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Hours

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Second Specialty

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Hours

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Third Specialty

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Hours

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59620



SPECIALTY CODES

(primary care specialties in boldface)

0101 Allergy and Immunology	1001 Nuclear Medicine
0102 Clinical & Laboratory Immunology	
	1101 Obstetrics & Gynecology
0201 Anesthesiology	1102 Critical Care Medicine
0202 Critical Care Medicine	1103 Gynecologic Oncology
0203 Pain Management	1104 Maternal & Fetal Medicine
	1105 Reproductive Endocrinology
0301 Colon & Rectal Surgery	
	1201 Ophthalmology
0401 Dermatology	
0402 Dermatopathology	1301 Orthopaedic Surgery
0403 Clinical & Laboratory Dermatology	1302 Hand Surgery
0404 Dermatological Immunology	
	1401 Otolaryngology
0501 Emergency Medicine	1402 Otology/Neurotology
0502 Medical Toxicology	1403 Pediatric Otolaryngology
0503 Pediatric Emergency Medicine	
0504 Sports Medicine	1501 Anatomic & Clinical Pathology
	1502 Anatomic Pathology
0601 Family Practice	1503 Clinical Pathology
0602 Geriatric Medicine	1504 Blood Banking/Transfusion Medicine
0603 Sports Medicine	1505 Chemical Pathology
	1506 Cytopathology
0701 Internal Medicine	1507 Dermatopathology
0702 Adolescent Medicine	1508 Forensic Pathology
0703 Cardiac Electrophysiology	1509 Hematology
0704 Cardiovascular Disease	1510 Immunopathology
0705 Critical Care Medicine	1511 Medical Microbiology
0706 Clinical & Laboratory Immunology	1512 Neuropathology
0707 Endocrinology Diabetes & Metabolism	1513 Pediatric Pathology
0708 Gastroenterology	
0709 Geriatric Medicine	1601 Pediatrics
0710 Hematology	1602 Adolescent Medicine
0711 Infectious Disease	1603 Clinical & Laboratory Immunology
0712 Medical Oncology	1604 Medical Toxicology
0713 Nephrology	1605 Neonatal-Perinatal Medicine
0714 Pulmonary Disease	1606 Pediatric Cardiology
0715 Rheumatology	1607 Pediatric Critical Care Medicine
0716 Sports Medicine	1608 Pediatric Emergency Medicine
	1609 Pediatric Endocrinology
0801 Medical Genetics	1610 Pediatric Gastroenterology
0802 Clinical Biochemical Genetics	1611 Pediatric Hematology-Oncology
0803 Clinical Biochemical/Molecular Genetics	1612 Pediatric Infectious Disease
0804 Clinical Cytogenetics	1613 Pediatric Nephrology
0805 Clinical Genetics (Md)	1614 Pediatric Pulmonology
0806 Clinical Molecular Genetics	1615 Pediatric Rheumatology
	1616 Pediatric Sports Medicine
0901 Neurological Surgery	1617 Children With Special Health Needs
0902 Critical Care Medicine	

CODES CONTINUED ON BACK

SPECIALTY CODES

(primary care specialties in boldface)

1701 Physical Medicine & Rehabilitation	4001 Abdominal Surgery
1801 Plastic Surgery	4002 Acupuncture
1802 Hand Surgery	4003 Addiction Medicine
	4004 Adult Reconstructive Orthopedics
	4005 Allergy
1901 Preventive Medicine	
1902 Aerospace Medicine	4006 Cardiovascular Surgery
1903 Occupational Medicine	4007 Clinical Pharmacology
1904 Public Health & General Preventive	4008 Diabetes
1905 Medical Toxicology	
1906 Underseas Medicine	4009 Facial Plastic Surgery
Psychiatry & Neurology	4010 General Practice
(Board Name - Not A Specialty)	4011 Gynecology
2001 Psychiatry	
2002 Neurology	4012 Head & Neck Surgery
2003 Neurology With Special Qualifications	4013 Hepatology
In Child Neurology	4014 Homeopathic Medicine
2004 Addiction Psychiatry	4015 Immunology
2005 Child & Adolescent Psychiatry	
2006 Forensic Psychiatry	4016 Legal Medicine
2007 Geriatric Psychiatry	4017 Musculoskeletal Oncology
2008 Clinical Neurophysiology	4018 Neuroradiology
	4019 Nutrition
2101 Radiology	4020 Obstetrics
2102 Diagnostic Radiology	
2103 Radiation Oncology	4021 Oral & Maxillofacial Surgery
2104 Radiological Physics	4022 Orthopedic Surgery Of The Spine
2105 Nuclear Radiology	4023 Orthopedic Trauma
2106 Pediatric Radiology	4024 Pain Medicine
2107 Vascular & Interventional Radiology	4025 Pediatric Allergy
2201 Surgery	
2202 Surgery Of The Hand	4026 Pediatric Ophthalmology
2203 Pediatric Surgery	4027 Pediatric Orthopedics
2204 Surgical Critical Care	4028 Pediatric Surgery (Neurology)
2205 General Vascular Surgery	4029 Pediatric Urology
	4030 Psychoanalysis
2301 Thoracic Surgery	
2401 Urology	4031 Radioisotopic Pathology
	4032 Sports Medicine (Orthopedic Surgery)
3201 General Osteopathic Medicine	4033 Traumatic Surgery
	4034 Sleep Medicine
	9001 Rotating Internship (Residency)
	9999 Other - Please Specify

CODES CONTINUED ON FRONT