

Vermont Department of Health

Physician Assistants

2006 Survey

Statistical Report

2006 Physician Assistants Survey

Statistical Report

State of Vermont
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We also wish to express our appreciation to all the physician assistants 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 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 physician assistants practicing in Vermont as of the beginning of the year 2006; these data, along with data on other health care providers, can be used as the basis for policy analysis, shortage area designations, and recruitment and retention activities.

Data Collection: This report includes physician assistants (PAs) who renewed their license as of the end of January, 2006. In cooperation with the Vermont Board of Medical Practice, the Department of Health included a survey with the relicensing renewal in the fall of 2005. A copy of the survey form is included in Appendix C. The surveys that were returned were compared against a list of all PAs who were relicensed. Follow-up mailings and phone calls were then made to those PAs residing in Vermont, or a neighboring state, who did not return a survey to determine if they were providing patient care in Vermont, and if so, to complete the survey. All PAs actively licensed at the time were reached, but 3 renewed late, thus the actual response rate was 98%.

Included in this report are physician assistants who provide patient care in Vermont. A number of PAs maintain Vermont licenses even though they do not practice in Vermont. These PAs are excluded from this report. Also excluded are anesthesiology assistants (AAs), which are a separate license type, even though some of the AAs used to work as PAs.

This is the fifth survey of physician assistants. Information on PAs who practice in Vermont will be updated every two years. Results from the previous surveys are also available. Similar data are collected from other health professionals, including physicians and dentists. Results from all of these surveys are available on the Department of Health web site, at <http://healthvermont.gov> – look under Publications / Health Reports / Health Care Provider Surveys.

Limitations: The surveys were reviewed for accuracy and consistency during the data entry and processing phases. Missing and/or inconsistent data items were evaluated as to their importance. 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 were inferred from other data sources or reported as missing. In general, however, the information for this report was self-reported and was not further verified. Data in this report are, therefore, subject to the limitations associated with the use of mailed surveys. The possibility of misinterpretation of survey items is always present, and it is possible that a small number of inconsistencies have arisen from such occurrences.

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

Summary

- This report includes data reported by 163 physician assistants providing patient care in Vermont.
- 83 (51%) of the physician assistants work mainly in primary care including:
 - 62 Family Practice Medicine
 - 11 Primary Care Internal Medicine
 - 8 Obstetrics and Gynecology
 - 2 Pediatric Primary Care
- 80 physician assistants provide mainly specialty care including:
 - 30 Emergency Medicine
 - 26 Surgery (19 orthopedic, 2 general, 5 other)
 - 7 Dermatology
 - 5 Urology
 - 4 Specialty Internal Medicine
 - 8 other specialties
- The 163 physician assistants represent the equivalent of 132.8 full-time providers (FTEs, defined as 40 or more hours of patient care per week). This includes 62.6 FTEs in primary care and 70.2 FTEs in specialty care.
- Thirty-three of the 163 PAs are age 55 or older, and 5 of those are 60 or older.
- Ninety-three, or 57%, of the 163 physician assistants are women.
- 62% of the women practice primary care, while 36% of the men practice primary care.
- 53% of all physician assistants work full-time (40 hours per week or more)
 - 37% of primary care providers and 69% of specialty care providers work full time
 - 74% of men and 37% of women work full time
- 52% have hospital admitting privileges

Comparison of Selected Physician Assistant Data, 1998-2006

	1998	2000	2002	2004	2006
Total physician assistants active in Vermont	107	117	130	155	163
Percent female	52%	56%	59%	56%	57%
Percent age 55 or older	4%	7%	9%	15%	20%
Average patient care hours per week	36	34	36	37	35
Primary care PAs	68	70	69	79	83
Family Practice	44	51	53	55	62
Internal Medicine	12	7	7	10	11
Ob/Gyn	10	9	8	10	8
Pediatric Primary Care	2	3	1	4	2
% accepting new patients *	98%	94%	92%	97%	93%
accepting new Medicaid patients *	91%	87%	86%	89%	82%
accepting new Medicare patients *	96%	93%	86%	91%	81%
Specialist PAs	39	47	61	76	80
Emergency Medicine	20	25	33	37	30
Orthopedic Surgery	5	5	8	14	19
Primary care PA FTEs	48.8	50.9	54.3	62.3	62.6
Family Practice	34.3	39.3	43.6	45.4	48.2
Internal Medicine	8.4	4.7	5.3	7.5	7.9
Ob/Gyn	4.7	5.5	4.5	5.6	4.4
Pediatric Primary Care	1.4	1.4	1.0	3.9	2.1
FTEs/100,000 population **	8.1	8.4	8.8	10.0	10.0
Specialist PA FTEs	37.7	42.1	54.8	69.2	70.2
Dermatology	0.8	0.8	2.0	5.7	6.6
Emergency Medicine	19.1	21.8	29.4	33.8	24.8
Internal Medicine	0.8	1.1	1.0	4.8	3.1
Orthopedic Surgery	4.6	4.6	7.5	12.9	17.8
Urology	2.4	3.1	3.0	3.2	3.9

* Multiple sites of same provider counted separately.

See Note 10 in Appendix B on tabulation of availability of care.

** Population estimates for 1998 revised after 2000 census.

Vermont Physician Assistants' Demographic Characteristics

Table 1 -- VT Physician Assistants, 2006
 Summary of Active Physician Assistants

TOTAL	163	(100%)
Main specialty:		
Primary Care Total	83	(51%)
Family Practice	62	(38%)
Primary Care Internal Medicine	11	(7%)
Obstetrics and Gynecology	8	(5%)
Pediatric Primary Care	2	(1%)
Specialty Care Total	80	(49%)
Dermatology	7	(4%)
Emergency Medicine	30	(18%)
Internal Medicine Specialties	4	(2%)
Surgery: General	2	(1%)
Surgery: Orthopedic	19	(12%)
Surgery: Other	5	(3%)
Urology	5	(3%)
Other Specialties	8	(5%)
Age groups:		
younger than 35	28	(17%)
35 - 44	57	(35%)
45 - 54	45	(28%)
55 - 59	28	(17%)
60 - 64	5	(3%)
65 and older	0	(0%)
Gender:		
Male	70	(43%)
Female	93	(57%)
Patient care hours:		
40 or more hours/week	86	(53%)
30 to 39 hours/week	35	(21%)
less than 30 hours/week	42	(26%)
Number of supervising physicians:		
One	10	(7%)
Two	38	(26%)
Three	28	(19%)
Four or more	73	(49%)
unknown	14	
Number of practice sites:		
One	123	(75%)
Two	28	(17%)
Three	9	(6%)
Four or more	3	(2%)

Table 2 -- VT Physician Assistants, 2006
Age by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	163	28	57	45	28	5	.	3%
MALES	70	8	25	19	16	2	.	3%
FEMALES	93	20	32	26	12	3	.	3%
PRIMARY CARE	83	12	24	23	20	4	.	5%
Family Practice	62	10	22	15	13	2	.	3%
Internal Medicine	11	.	2	5	3	1	.	9%
Ob/Gyn	8	1	.	3	4	.	.	.
Pediatrics	2	1	.	.	.	1	.	50%
SPECIALTY CARE	80	16	33	22	8	1	.	1%
Dermatology	7	2	4	1	.	.	.	.
Emergency Medicine	30	7	11	7	5	.	.	.
Internal Medicine	4	1	2	1	.	.	.	.
Surgery: General	2	1	.	1	.	.	.	.
Surgery: Orthopedic	19	3	8	8	.	.	.	.
Surgery: Other	5	.	3	2	.	.	.	.
Urology	5	1	2	1	1	.	.	.
Other Specialties	8	1	3	1	2	1	.	13%
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	17%	35%	28%	17%	3%	.	3%
MALES	100%	11%	36%	27%	23%	3%	.	3%
FEMALES	100%	22%	34%	28%	13%	3%	.	3%
PRIMARY CARE	100%	14%	29%	28%	24%	5%	.	5%
SPECIALTY CARE	100%	20%	41%	28%	10%	1%	.	1%

See Note 1 for description of the calculation of age.

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

Specialty	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	163	28	57	45	28	5	.	3%
MALES	70	8	25	19	16	2	.	3%
PRIMARY CARE	25	2	6	5	10	2	.	8%
Family Practice	20	2	5	4	8	1	.	5%
Internal Medicine	5	.	1	1	2	1	.	20%
SPECIALTY CARE	45	6	19	14	6	.	.	.
Emergency Medicine	20	3	8	5	4	.	.	.
Internal Medicine	2	1	1	.	.	.	.	.
Surgery: General	1	.	.	1	.	.	.	.
Surgery: Orthopedic	12	1	5	6	.	.	.	.
Surgery: Other	5	.	3	2	.	.	.	.
Urology	1	.	.	.	1	.	.	.
Other Specialties	4	1	2	.	1	.	.	.
FEMALES	93	20	32	26	12	3	.	3%
PRIMARY CARE	58	10	18	18	10	2	.	3%
Family Practice	42	8	17	11	5	1	.	2%
Internal Medicine	6	.	1	4	1	.	.	.
Ob/Gyn	8	1	.	3	4	.	.	.
Pediatrics	2	1	.	.	.	1	.	50%
SPECIALTY CARE	35	10	14	8	2	1	.	3%
Dermatology	7	2	4	1	.	.	.	.
Emergency Medicine	10	4	3	2	1	.	.	.
Internal Medicine	2	.	1	1	.	.	.	.
Surgery: General	1	1	.	.	.	.	.	.
Surgery: Orthopedic	7	2	3	2	.	.	.	.
Urology	4	1	2	1	.	.	.	.
Other Specialties	4	.	1	1	1	1	.	25%

See Note 1 for description of the calculation of age.

Table 4 -- VT Physician Assistants, 2006
Age by County

County	Total	Number in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
STATEWIDE TOTAL								
Total	163	28	57	45	28	5	.	3%
Primary Care	83	12	24	23	20	4	.	5%
Specialists	80	16	33	22	8	1	.	1%
Addison County								
Primary Care	2	.	2	.	.	.	.	.
Specialists	3	1	1	1	.	.	.	.
Bennington County								
Primary Care	6	3	.	2	1	.	.	.
Specialists	4	1	.	2	.	1	.	25%
Caledonia County								
Primary Care	2	.	.	1	1	.	.	.
Specialists	3	.	.	2	1	.	.	.
Chittenden County								
Primary Care	23	3	7	5	6	2	.	9%
Specialists	38	9	20	6	3	.	.	.
Essex County								
Primary Care	2	1	.	.	1	.	.	.
Specialists	0	.	.	.	.	.	.	.
Franklin County								
Primary Care	8	2	3	.	3	.	.	.
Specialists	2	.	1	1	.	.	.	.
Grand Isle County								
Primary Care	1	.	1	.	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Lamoille County								
Primary Care	1	.	.	1	.	.	.	.
Specialists	1	.	1	.	.	.	.	.
Orange County								
Primary Care	1	.	.	1	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Orleans County								
Primary Care	2	.	1	1	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Rutland County								
Primary Care	10	1	4	3	2	.	.	.
Specialists	7	1	2	4	.	.	.	.
Washington County								
Primary Care	10	.	4	4	2	.	.	.
Specialists	5	1	2	1	1	.	.	.
Windham County								
Primary Care	6	1	1	2	1	1	.	17%
Specialists	4	.	.	2	2	.	.	.
Windsor County								
Primary Care	9	1	1	3	3	1	.	11%
Specialists	13	3	6	3	1	.	.	.

Each PA is counted once in this table, in his or her main specialty group, and, independently, main county of practice (see Note 2). See Note 1 for description of the calculation of age.

Table 5 -- VT Physician Assistants, 2006
Gender by County

County	Total	Males	Females
STATEWIDE TOTAL			
Total	163	70 (43%)	93 (57%)
Primary Care	83	25 (30%)	58 (70%)
Specialists	80	45 (56%)	35 (44%)
Addison County			
Primary Care	2	0 (0%)	2 (100%)
Specialists	3	3 (100%)	0 (0%)
Bennington County			
Primary Care	6	3 (50%)	3 (50%)
Specialists	4	2 (50%)	2 (50%)
Caledonia County			
Primary Care	2	0 (0%)	2 (100%)
Specialists	3	3 (100%)	0 (0%)
Chittenden County			
Primary Care	23	4 (17%)	19 (83%)
Specialists	38	19 (50%)	19 (50%)
Essex County			
Primary Care	2	1 (50%)	1 (50%)
Specialists	0		
Franklin County			
Primary Care	8	6 (75%)	2 (25%)
Specialists	2	0 (0%)	2 (100%)
Grand Isle County			
Primary Care	1	0	1
Specialists	0		
Lamoille County			
Primary Care	1	0	1
Specialists	1	0	1
Orange County			
Primary Care	1	0	1
Specialists	0		
Orleans County			
Primary Care	2	0 (0%)	2 (100%)
Specialists	0		
Rutland County			
Primary Care	10	4 (40%)	6 (60%)
Specialists	7	3 (43%)	4 (57%)
Washington County			
Primary Care	10	3 (30%)	7 (70%)
Specialists	5	4 (80%)	1 (20%)
Windham County			
Primary Care	6	1 (17%)	5 (83%)
Specialists	4	4 (100%)	0 (0%)
Windsor County			
Primary Care	9	3 (33%)	6 (67%)
Specialists	13	7 (54%)	6 (46%)

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

Table 6 -- VT Physician Assistants, 2006
 Years in Clinical Practice

In Clinical Practice	Total	In Vermont
less than a year	5 (3%)	13 (9%)
1 or 2 years	17 (11%)	23 (15%)
3 or 4 years	18 (11%)	20 (13%)
5 to 9 years	35 (22%)	34 (23%)
10 to 14 years	22 (14%)	24 (16%)
15 to 19 years	13 (8%)	13 (9%)
20 to 24 years	21 (13%)	7 (5%)
25 to 29 years	21 (13%)	12 (8%)
30 years or more	8 (5%)	4 (3%)
unknown	3	13
Total	163	163
Median Years	10	7

Vermont Physician Assistants'
Distribution of Full Time Equivalents (FTEs)

Table 7 -- VT Physician Assistants, 2006
Full Time Equivalents (FTEs) by Age and Gender by Specialty

	Total	FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	132.8	22.3	48.1	34.5	23.9	4.0	.	3%
MALES	63.1	5.8	22.9	16.9	15.4	2.0	.	3%
FEMALES	69.8	16.5	25.2	17.5	8.5	2.1	.	3%
PRIMARY CARE	62.6	8.5	18.4	16.1	16.6	3.0	.	5%
Family Practice	48.2	7.3	17.3	11.1	11.0	1.5	.	3%
Internal Medicine	7.9	.	1.1	3.8	2.1	1.0	.	12%
Ob/Gyn	4.4	.7	.	.9	2.9	.	.	0%
Pediatrics	2.1	.6	.	.4	.5	.6	.	27%
SPECIALTY CARE	70.2	13.8	29.8	18.3	7.4	1.0	.	1%
Dermatology	6.6	2.0	3.6	1.0	.	.	.	0%
Emergency Medicine	24.8	4.6	9.8	5.9	4.5	.	.	0%
Internal Medicine	3.1	.9	1.3	1.0	.	.	.	0%
Surgery: General	1.1	.5	.2	.5	.	.	.	0%
Surgery: Orthopedic	17.8	3.0	7.4	7.4	.	.	.	0%
Surgery: Other	5.3	.5	2.8	2.0	.	.	.	0%
Urology	3.9	1.0	1.9	<.05	1.0	.	.	0%
Other Specialties	7.6	1.3	3.0	.5	1.8	1.0	.	13%
	Total	% of total FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	17%	36%	26%	18%	3%	.	3%
MALES	100%	9%	36%	27%	24%	3%	.	3%
FEMALES	100%	24%	36%	25%	12%	3%	.	3%
PRIMARY CARE	100%	14%	29%	26%	26%	5%	.	5%
SPECIALTY CARE	100%	20%	42%	26%	10%	1%	.	1%

See Note 1 for a description of the calculations of ages

Table 8 -- VT Physician Assistants, 2006
Full Time Equivalents (FTEs) by Age by County

County	Total	FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	132.8	22.3	48.1	34.5	23.9	4.0	.	3%
Primary Care	62.6	8.5	18.4	16.1	16.6	3.0	.	5%
Specialists	70.2	13.8	29.8	18.3	7.4	1.0	.	1%
Addison County								
Primary Care	1.6	.	1.6	<.05	.	.	.	0%
Specialists	1.7	.4	1.0	.2	.1	.	.	0%
Bennington County								
Primary Care	3.7	2.4	.	.3	1.0	.	.	0%
Specialists	2.9	<.05	.	1.9	.	1.0	.	34%
Caledonia County								
Primary Care	1.5	<.05	.	1.0	.5	.	.	0%
Specialists	2.8	.	.	2.0	.8	.	.	0%
Chittenden County								
Primary Care	16.4	2.2	5.7	2.1	4.9	1.5	.	9%
Specialists	34.1	8.1	18.4	5.0	2.6	.	.	0%
Essex County								
Primary Care	1.9	.9	.	.	1.0	.	.	0%
Specialists	.	.	.	.	.	.	.	.
Franklin County								
Primary Care	7.6	1.8	1.9	1.0	3.0	.	.	0%
Specialists	2.1	.2	1.0	1.0	<.05	.	.	0%
Grand Isle County								
Primary Care	1.0	.	1.0	.	.	<.05	.	0%
Specialists	.	.	.	.	.	.	.	.
Lamoille County								
Primary Care	.	.	.	.	.	.	.	.
Specialists	1.2	.2	.6	.4	.	.	.	0%
Orange County								
Primary Care	1.2	.	.	1.2	.	.	.	0%
Specialists	.	.	.	.	.	.	.	.
Orleans County								
Primary Care	2.1	.	.9	1.2	.	.	.	0%
Specialists	.	.	.	.	.	.	.	.
Rutland County								
Primary Care	8.5	.5	3.3	2.9	1.8	.	.	0%
Specialists	5.7	1.4	1.3	2.9	.	.	.	0%
Washington County								
Primary Care	8.2	.	3.1	3.1	2.0	.	.	0%
Specialists	4.4	.6	1.8	1.1	1.0	.	.	0%
Windham County								
Primary Care	3.4	.4	.9	1.0	.5	.6	.	16%
Specialists	3.5	.	.	1.7	1.8	.	.	0%
Windsor County								
Primary Care	5.8	.4	.1	2.4	1.9	1.0	.	17%
Specialists	11.8	3.0	5.8	2.0	1.0	.	.	0%

See Note 1 for description of the calculation of age.

Table 9 -- VT Physician Assistants, 2006
 Numbers of PAs, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	163 132.8 5624	87 62.6 2565	88 70.2 3059
Addison County	7 3.3 135	3 1.6 63	5 1.7 73
Bennington County	10 6.6 264	6 3.7 146	4 2.9 118
Caledonia County	7 4.3 196	4 1.5 64	3 2.8 132
Chittenden County	62 50.5 2164	25 16.4 669	39 34.1 1495
Essex County	2 1.9 76	2 1.9 76	.. ..
Franklin County	15 9.7 395	9 7.6 308	7 2.1 87
Grand Isle County	2 1.0 40	2 1.0 40	.. ..
Lamoille County	3 1.2 53	. . . .	3 1.2 53
Orange County	3 1.2 47	3 1.2 47	.. ..
Orleans County	3 2.1 84	3 2.1 84	.. ..
Rutland County	23 14.2 585	13 8.5 345	12 5.7 240
Washington County	17 12.6 529	11 8.2 339	7 4.4 190
Windham County	10 6.9 287	6 3.4 138	4 3.5 149
Windsor County	24 17.6 771	11 5.8 247	13 11.8 524

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

Table 10 -- VT Physician Assistants, 2006
 Numbers of Primary Care Providers, 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	87 62.6 2565	68 48.2 1977	11 7.9 317	8 4.4 190	4 2.1 82
Addison County	3 1.6 63	2 1.6 63	. . . . .	1 <.05 0	.. .. .
Bennington County	6 3.7 146	4 3.0 122	. . . . .	1 <.05 1	1 .6 24
Caledonia County	4 1.5 64	4 1.5 64	.. .. .	.. .. .	.. .. .
Chittenden County	25 16.4 669	18 11.6 463	1 1.0 38	6 3.9 168	.. .. .
Essex County	2 1.9 76	1 .9 36	1 .5 20	. . . . .	1 .5 20
Franklin County	9 7.6 308	8 6.6 268	1 1.0 40	.. .. .	.. .. .
Grand Isle County	2 1.0 40	2 1.0 40	.. .. .	.. .. .	.. .. .
Lamoille County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Orange County	3 1.2 47	2 1.0 40	. . . . .	1 .2 7	.. .. .
Orleans County	3 2.1 84	2 1.1 44	1 1.0 40	.. .. .	.. .. .
Rutland County	13 8.5 345	12 8.4 345	. . . . .	1 <.05 1	.. .. .
Washington County	11 8.2 339	9 6.5 268	1 1.0 40	1 .4 14	1 .4 16
Windham County	6 3.4 138	3 1.8 76	2 1.0 40	. . . . .	1 .6 22
Windsor County	11 5.8 247	6 3.3 149	4 2.5 98	1 <.05 0	.. .. .

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

Table 11 -- VT Physician Assistants, 2006
 Numbers of Specialty Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY								
	CARE TOTAL	DERMA- TOLOGY	EMERGENCY MEDICINE	INTERNAL MEDICINE	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
STATE TOTAL	88 70.2 3059	7 6.6 271	40 24.8 1079	4 3.1 130	3 1.1 52	20 17.8 754	6 5.3 265	5 3.9 172	9 7.6 337
Addison County	5 1.7 73	. . . . .	3 .6 23	. . . . .	. . . . .	1 1.0 42	. . . . .	1 .1 8	.. .. .
Bennington County	4 2.9 118	. . . . .	1 <.05 2	. . . . .	. . . . .	2 1.9 76	. . . . .	. . . . .	1 1.0 40
Caledonia County	3 2.8 132	. . . . .	1 .4 16	. . . . .	1 .5 18	2 1.1 65	. . . . .	. . . . .	1 .8 33
Chittenden County	39 34.1 1495	7 6.2 255	12 9.2 389	2 1.6 64	1 .2 10	6 5.8 243	5 4.8 241	2 1.9 88	5 4.3 206
Essex County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Franklin County	7 2.1 87	1 .2 8	2 .1 4	1 .4 16	. . . . .	. . . . .	. . . . .	1 <.05 1	2 1.5 58
Grand Isle County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Lamoille County	3 1.2 53	1 .2 8	1 .4 21	. . . . .	. . . . .	1 .6 24	.. .. .	.. .. .	.. .. .
Orange County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Orleans County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Rutland County	12 5.7 240	. . . . .	7 2.3 101	2 .7 30	. . . . .	2 1.9 75	. . . . .	1 .9 34	.. .. .
Washington County	7 4.4 190	. . . . .	4 1.3 60	1 .4 20	. . . . .	4 2.7 110	.. .. .	.. .. .	.. .. .
Windham County	4 3.5 149	. . . . .	3 2.8 120	. . . . .	. . . . .	1 .7 29	.. .. .	.. .. .	.. .. .
Windsor County	13 11.8 524	. . . . .	8 7.8 343	. . . . .	1 .5 24	2 2.0 91	1 .5 24	2 1.0 42	.. .. .

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

Table 12 -- VT Physician Assistants, 2006
 Primary Care Provider FTE to Population Ratios by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	62.61	623,908	10.04	9,965
Addison County	1.55	37,057	4.19	23,873
Bennington County	3.66	36,929	9.90	10,102
Caledonia County	1.48	30,842	4.79	20,860
Chittenden County	16.39	150,069	10.92	9,158
Essex County	1.90	6,567	28.93	3,456
Franklin County	7.59	48,187	15.76	6,345
Grand Isle County	1.00	7,751	12.96	7,719
Lamoille County	.00	24,592	.00	
Orange County	1.16	29,440	3.95	25,325
Orleans County	2.05	27,718	7.41	13,496
Rutland County	8.46	63,641	13.30	7,519
Washington County	8.20	59,564	13.77	7,262
Windham County	3.40	43,898	7.75	12,909
Windsor County	5.76	57,653	9.98	10,015

Only primary care PAs are included in this table.
 One FTE is 40 (or more) hours per week, 48 weeks per year
 or more. The FTEs are rounded to two digits for display
 only - the ratios were calculated using the unrounded values.

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

Table 13 -- VT Physician Assistants, 2006
Total FTEs by Practice Setting by Specialty

Care Setting	FTEs in Primary Care Specialty			
	Family	Internal	Ob/Gyn	Pediatric
TOTAL, all settings	48.2	7.9	4.4	2.1
Ambulatory-incl hosp	4.1	.	1.4	1.2
Ambulatory-w/o hosp	27.3	7.9	.3	.5
Office, incl hosp	.4	.	.	.
Office, w/o hosp	12.7	.	2.5	.4
Hospital-based splty	.	<.05	.	.
Hospitalist	.	.	.2	.
Student health ctr	1.7	.	.	.
Business/work site	1.0	.	.	.
Extended care	.	<.05	.	.
Other	1.1	.	.	.

Care Setting	FTEs in Specialty							
	Derm	Emerg	Intern	Gen Surg	Orth Surg	Other Surg	Urolog	Other Spec
TOTAL, all settings	6.6	24.8	3.1	1.1	17.8	5.3	3.9	7.6
Ambulatory-incl hosp	.	.4	.	.5	3.0	2.5	.	.3
Ambulatory-w/o hosp	1.0	1.1	.	.	.	.	<.05	.
Office, incl hosp	1.0	.	.	.	12.0	.	2.9	1.3
Office, w/o hosp	3.6	.	1.9	.	2.7	.	.	3.3
Hospital-based splty	1.0	22.3	1.3	.6	.1	2.8	.	1.8
Hospitalist	.	.	.	.	.	.	1.0	.
Student health ctr	.	.	.	.	.	.	.	.
Business/work site	.	.	.	.	<.05	.	.	1.0
Extended care	.	.	.	.	.	.	.	.
Other	.	1.0	.	.	.	.	.	.

All worksites of each PA are counted in this table.

Table 14 -- VT Physician Assistants, 2006
Detailed Specialty List

SPECIALTY GROUP Specialty	Count of PAs Working in Specialty		
	As Main Specialty	As Secondary Specialty	FTE
TOTAL	163		
--- PRIMARY CARE ---			
FAMILY PRACTICE			
Family Practice	56	6	43.2
General Practice	5	0	4.0
Geriatric Family Medicine	1	0	1.0
INTERNAL MEDICINE (PRIMARY)			
Internal Medicine	11	0	7.9
OB/GYN			
Gynecology	7	0	4.1
Obstetrics & Gynecology	1	0	.3
PEDIATRICS (PRIMARY)			
Pediatrics (general)	2	2	2.1
--- SPECIALTY CARE ---			
DERMATOLOGY			
Clinical & Laboratory Dermatology	2	0	2.0
Dermatology	5	0	4.6
EMERGENCY MEDICINE			
Emergency Medicine	30	10	24.8
INTERNAL MEDICINE (SPECIALTY)			
Cardiovascular Disease	1	0	1.0
Medical Oncology	1	0	.3
Nephrology	2	0	1.9
SURGERY			
Adult Reconstructive Orthopedics	1	0	1.0
Cardiovascular Surgery	3	0	3.0
General Surgery	2	1	1.1
General Vascular Surgery	0	1	.5
Neurological Surgery	1	0	1.0
Orthopedic Surgery	14	1	13.3
Orthopedic Surgery Of The Spine	1	0	1.0
Orthopedic Surgery: Sports	3	0	2.4
Surgical Critical Care	1	0	.8
UROLOGY			
Urology	5	0	3.9
OTHER SPECIALTIES			
Gynecologic Oncology	0	1	.3
Occupational Medicine	4	0	3.3
Plastic Surgery	2	0	2.0
Psychiatry	1	0	1.0
Vascular/Interventional Radiology	1	0	1.0

Vermont Physician Assistants' Practice Characteristics

Table 15 -- VT Physician Assistants, 2006
Practice Setting by Specialty

Care Setting	Number in Primary Care Specialty			
	Family	Internal	Ob/Gyn	Pediatric
TOTAL, all settings	62	11	8	2
Ambulatory-incl hosp	5	.	2	2
Ambulatory-w/o hosp	36	11	.	.
Office, incl hosp	1	.	.	.
Office, w/o hosp	15	.	6	.
Hospital-based splty	.	.	.	.
Hospitalist	.	.	.	.
Student health ctr	2	.	.	.
Business/work site	1	.	.	.
Other	2	.	.	.

Care Setting	Number in Specialty							
	Derm	Emerg	Intern	Gen Surg	Orth Surg	Other Surg	Urolog	Other Spec
TOTAL, all settings	7	30	4	2	19	5	5	8
Ambulatory-incl hosp	.	1	.	1	3	2	.	.
Ambulatory-w/o hosp	1	1	.	.	.	.	1	.
Office, incl hosp	1	.	.	.	13	.	3	1
Office, w/o hosp	4	.	2	.	3	.	.	4
Hospital-based splty	1	27	2	1	.	3	.	2
Hospitalist	.	.	.	.	.	.	1	.
Student health ctr	.	.	.	.	.	.	.	.
Business/work site	.	.	.	.	.	.	.	1
Other	.	1	.	.	.	.	.	.

Each PA is counted once in this table, in their main specialty group, and, independently, in their main practice setting.
(See note 8)

Table 16 -- VT Physician Assistants, 2006
Practice Setting by Age

Care Setting	Total	Number in Age Group					
		<35	35-44	45-54	55-59	60-64	65+
TOTAL, all settings	163 (100%)	28	57	45	28	5	.
Ambulatory-incl hosp	16 (10%)	6	5	2	2	1	.
Ambulatory-w/o hosp	50 (31%)	5	16	16	10	3	.
Office, incl hosp	19 (12%)	6	8	4	1	.	.
Office, w/o hosp	34 (21%)	4	11	11	7	1	.
Hospital-based splty	36 (22%)	7	16	9	4	.	.
Hospitalist	1 (1%)	.	1	.	.	.	.
Student health ctr	2 (1%)	.	.	1	1	.	.
Business/work site	2 (1%)	.	.	1	1	.	.
Other	3 (2%)	.	.	1	2	.	.

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

Table 17 -- VT Physician Assistants, 2006
Practice Setting by Gender

Care Setting	Total	Males		Females	
		Count	Percentage	Count	Percentage
TOTAL, all settings	163	70	(100%)	93	(100%)
Ambulatory-incl hosp	16	6	(9%)	10	(11%)
Ambulatory-w/o hosp	50	19	(27%)	31	(33%)
Office, incl hosp	19	8	(11%)	11	(12%)
Office, w/o hosp	34	10	(14%)	24	(26%)
Hospital-based splty	36	24	(34%)	12	(13%)
Hospitalist	1	0	(0%)	1	(1%)
Student health ctr	2	1	(1%)	1	(1%)
Business/work site	2	1	(1%)	1	(1%)
Other	3	1	(1%)	2	(2%)

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

Table 18 -- VT Physician Assistants, 2006
Average Patient Care Hours per Week,
by Specialty and Age

Main Specialty	Total PAs	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
ALL SPECIALTIES	163	35	35	33	36	53%
PRIMARY CARE	83	31	31	30	33	37%
Family Practice	62	32	31	34	34	42%
Internal Medicine	11	31	.	30	36	36%
Ob/Gyn	8	26	.	11	29	13%
Pediatrics	2	.	.	.	.	.
SPECIALTY CARE	80	38	38	36	43	69%
Dermatology	7	39	38	.	.	71%
Emergency Medicine	30	35	34	31	42	67%
Internal Medicine	4	34	32	.	.	75%
Surgery: General	2	.	.	.	.	.
Surgery: Orthopedic	19	39	39	40	.	68%
Surgery: Other	5	50	49	.	.	100%
Urology	5	34	38	.	.	60%
Other Specialties	8	40	45	.	40	63%

Averages based on less than 3 people are suppressed.

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

See Note 1 for description of the calculation of age.

Table 19 -- VT Physician Assistants, 2006
Average Patient Care Hours per Week,
by Gender, Specialty and Age

Main Specialty	Total PAs	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
MALES:						
ALL SPECIALTIES	70	39	38	40	41	74%
PRIMARY CARE	25	36	31	36	40	64%
Family Practice	20	36	29	35	41	65%
Internal Medicine	5	38	.	.	36	60%
SPECIALTY CARE	45	41	41	41	45	80%
Emergency Medicine	20	38	36	38	45	80%
Internal Medicine	2	.	.	.	.	.
Surgery: General	1	.	.	.	.	.
Surgery: Orthopedic	12	41	42	40	.	75%
Surgery: Other	5	50	49	.	.	100%
Urology	1	.	.	.	.	.
Other Specialties	4	43	47	.	.	75%
FEMALES:						
ALL SPECIALTIES	93	31	33	28	29	37%
PRIMARY CARE	58	29	31	28	26	26%
Family Practice	42	31	31	33	24	31%
Internal Medicine	6	25	.	28	.	17%
Ob/Gyn	8	26	.	11	29	13%
Pediatrics	2	.	.	.	.	.
SPECIALTY CARE	35	33	35	27	39	54%
Dermatology	7	39	38	.	.	71%
Emergency Medicine	10	29	32	.	.	40%
Internal Medicine	2	.	.	.	.	.
Surgery: General	1	.	.	.	.	.
Surgery: Orthopedic	7	37	35	.	.	57%
Urology	4	29	38	.	.	50%
Other Specialties	4	36	.	.	.	50%

Averages based on less than 3 people are suppressed.

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

See Note 1 for description of the calculation of age.

Table 20 -- VT Physician Assistants, 2006
Average Patient Care Hours per Week,
by Age, by County

County	Total	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
STATEWIDE TOTAL						
Primary Care	83	31	31	30	33	37%
Specialists	80	38	38	36	43	69%
Addison County						
Primary Care	2	.	.	.	.	.
Specialists	3	26	.	.	.	33%
Bennington County						
Primary Care	6	25	32	.	.	33%
Specialists	4	29	.	.	.	50%
Caledonia County						
Primary Care	2	.	.	.	.	.
Specialists	3	44	.	.	.	33%
Chittenden County						
Primary Care	23	32	35	25	32	30%
Specialists	38	40	39	40	44	79%
Essex County						
Primary Care	2	.	.	.	.	.
Specialists	0	.	.	.	.	.
Franklin County						
Primary Care	8	34	30	.	40	63%
Specialists	2	.	.	.	.	.
Grand Isle County						
Primary Care	1	.	.	.	.	.
Specialists	0	.	.	.	.	.
Lamoille County						
Primary Care	1	.	.	.	.	.
Specialists	1	.	.	.	.	.
Orange County						
Primary Care	1	.	.	.	.	.
Specialists	0	.	.	.	.	.
Orleans County						
Primary Care	2	.	.	.	.	.
Specialists	0	.	.	.	.	.
Rutland County						
Primary Care	10	33	28	40	.	40%
Specialists	7	31	28	33	.	43%
Washington County						
Primary Care	10	34	31	34	.	50%
Specialists	5	41	38	.	.	80%
Windham County						
Primary Care	6	23	.	.	.	17%
Specialists	4	40	.	.	.	75%
Windsor County						
Primary Care	9	27	.	36	30	22%
Specialists	13	41	43	32	.	85%

Averages based on less than 3 people are suppressed.
See Note 1 for description of the calculation of age.
'Full Time' is 40 (or more) hours of direct patient care per week in Vermont, 48 weeks per year (see Note 22).
Each PA is counted once, in main specialty group and, independently, in main county of practice (Note 2).

Table 21 -- VT Physician Assistants, 2006
Hospital Admitting Privileges by Specialties

Specialty	Total PA's	Number of PA's with Hospital Privileges	
TOTAL	163	84	(52%)
PRIMARY CARE	83	25	(30%)
Family Practice	62	18	(29%)
Internal Medicine	11	4	(36%)
Ob/Gyn	8	2	(25%)
Pediatrics	2	1	(50%)
SPECIALTY CARE	80	59	(74%)
Dermatology	7	3	(43%)
Emergency Medicine	30	24	(80%)
Internal Medicine	4	3	(75%)
Surgery: General	2	1	(50%)
Surgery: Orthopedic	19	16	(84%)
Surgery: Other	5	4	(80%)
Urology	5	3	(60%)
Other Specialties	8	5	(63%)

PAs are only counted once in the last column,
even if they have privileges at multiple hospitals.

Table 22 -- VT Physician Assistants, 2006
Practice Availability by Specialty

Specialty	PAs *	Accept New Patients	Participate in Medicaid	Accept New Medicaid Patients	Participate in Medicare	Accept New Medicare Patients
		(%)	(%)	(%)	(%)	(%)
TOTAL	121	91%	88%	77%	89%	81%
PRIMARY CARE	79	91%	94%	81%	95%	83%
Family Practice	58	91%	95%	81%	96%	84%
Internal Medicine	11	82%	82%	73%	82%	73%
Ob/Gyn	8	100%	100%	88%	100%	88%
Pediatrics	2	100%	100%	100%	n.a.	n.a.
SPECIALTY CARE	42	90%	76%	69%	79%	76%
Dermatology	6	100%	100%	67%	100%	100%
Internal Medicine	2	100%	100%	100%	100%	100%
Surgery: General	2	100%	50%	50%	50%	50%
Surgery: Orthopedic	19	89%	84%	84%	89%	89%
Surgery: Other	2	50%	50%	50%	50%	50%
Urology	4	100%	50%	50%	50%	50%
Other Specialties	7	86%	57%	43%	57%	43%

Only office settings are included (see Note 11).
This table is not comparable to the previous (2004) report.

* Emergency Medicine is excluded from this table.

PAs 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 PA is counted once, in his or her main specialty. A PA 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. See Note 10 regarding tabulation of availability.

Table 23 -- VT Physician Assistants, 2006
Practice Availability by County

County	Offices	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)
STATEWIDE TOTAL				
Primary Care	98	93%	82%	81%
Specialists	53	92%	73%	80%
Addison County				
Primary Care	3	100%	100%	100%
Specialists	2	100%	100%	100%
Bennington County				
Primary Care	6	67%	67%	60%
Specialists	4	33%	33%	33%
Caledonia County				
Primary Care	2	50%	50%	50%
Specialists	3	100%	67%	67%
Chittenden County				
Primary Care	25	92%	76%	76%
Specialists	20	90%	80%	90%
Essex County				
Primary Care	3	100%	100%	100%
Franklin County				
Primary Care	10	100%	100%	90%
Specialists	6	100%	60%	60%
Grand Isle County				
Primary Care	2	100%	100%	100%
Specialists	3	100%	100%	100%
Orange County				
Primary Care	3	100%	100%	100%
Orleans County				
Primary Care	2	50%	50%	50%
Rutland County				
Primary Care	13	100%	62%	77%
Specialists	4	100%	100%	100%
Washington County				
Primary Care	13	100%	100%	92%
Specialists	4	100%	75%	100%
Windham County				
Primary Care	6	100%	100%	100%
Specialists	2	100%	100%	100%
Windsor County				
Primary Care	10	90%	70%	70%
Specialists	5	100%	40%	40%

Only office settings are included (Note 11).
This table is not comparable to the previous (2004) report.
Emergency Medicine is excluded from this table.
Each site a PA practices in is counted separately.
See Note 10 regarding tabulation of availability.

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

Specialty	Total PAs	Plan to Retire or Leave VT	Plan to Reduce Hours
		(%)	(%)
TOTAL	163	6%	8%
PRIMARY CARE	83	6%	9%
Family Practice	62	7%	12%
Internal Medicine	11	0%	0%
Ob/Gyn	8	0%	0%
Pediatrics	2	50%	0%
SPECIALTY CARE	80	6%	7%
Dermatology	7	0%	14%
Emergency Medicine	30	7%	8%
Internal Medicine	4	0%	0%
Surgery: General	2	0%	0%
Surgery: Orthopedic	19	5%	5%
Surgery: Other	5	20%	0%
Urology	5	25%	0%
Other Specialties	8	0%	13%

PAs 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.

7 PAs (5%) answered 'yes' to both questions.

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

PAs who did not answer the question on retirement were excluded from calculation of the percentage planning to retire or leave.

PAs who did not answer the question on reducing hours were excluded from calculation of the percentage planning to reduce hours.

Table 25 -- VT Physician Assistants, 2006
 PAs Planning To Retire Or Reduce Hours

TOTAL	22	(100%)
Main specialty:		
Primary Care Total	12	(55%)
Family Practice	11	(50%)
Pediatrics	1	(5%)
Specialty Care Total	10	(45%)
Dermatology	1	(5%)
Emergency Medicine	4	(18%)
Surgery: Orthopedic	2	(9%)
Surgery: Other	1	(5%)
Urology	1	(5%)
Other Specialties	1	(5%)
Age groups:		
younger than 35	6	(27%)
35 - 44	5	(23%)
45 - 54	4	(18%)
55 - 64	7	(32%)
65 and older	0	(0%)
Gender:		
Male	9	(41%)
Female	13	(59%)
Current Patient care hours:		
40 or more hours/week	14	(64%)
30 to 39 hours/week	4	(18%)
less than 30 hours/week	4	(18%)
Number of supervising physicians:		
One	0	(0%)
Two	9	(43%)
Three	5	(24%)
Four or more	7	(33%)
unknown	1	
Number of practice sites:		
One	18	(82%)
Two	3	(14%)
Three	1	(5%)
Four or more	0	(0%)

**Vermont Physician Assistants
by Hospital Service Areas**

Table 26 -- VT Physician Assistants, 2006
 Numbers of PAs, 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		163 132.8 5624	87 62.6 2565	88 70.2 3059
Barre		17 12.6 529	11 8.2 339	7 4.4 190
Bennington		11 7.0 280	7 4.1 162	4 2.9 118
Brattleboro		5 3.0 130	3 1.6 62	2 1.5 68
Burlington		62 50.5 2164	25 16.4 669	39 34.1 1495
Middlebury		7 3.3 135	3 1.6 63	5 1.7 73
Morrisville		3 1.2 53	. . . .	3 1.2 53
Newport		5 3.3 133	5 3.3 133	.. ..
Randolph		3 1.8 73	3 1.8 73	.. ..
Rutland		23 14.2 585	13 8.5 345	12 5.7 240
Springfield		19 14.8 651	10 6.1 263	9 8.7 387
St. Albans		16 10.7 435	10 8.6 348	7 2.1 87
St. Johnsbury		7 5.0 223	4 2.2 91	3 2.8 132
White River Jct		11 5.6 235	2 .4 18	9 5.1 217

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

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

Table 27 -- VT Physician Assistants, 2006
 Numbers of Primary Care Providers, 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	87 62.6 2565	68 48.2 1977	11 7.9 317	8 4.4 190	4 2.1 82
Barre	11 8.2 339	9 6.5 268	1 1.0 40	1 .4 14	1 .4 16
Bennington	7 4.1 162	5 3.4 138	. . . . .	1 <.05 1	1 .6 24
Brattleboro	3 1.6 62	. . . . .	2 1.0 40	. . . . .	1 .6 22
Burlington	25 16.4 669	19 11.6 463	1 1.0 38	6 3.9 168	.. .. .
Middlebury	3 1.6 63	2 1.6 63	. . . . .	1 <.05 <.5	.. .. .
Morrisville	. . . . .			
Newport	5 3.3 133	3 1.3 53	2 1.5 60	. . . . .	1 .5 20
Randolph	3 1.8 73	2 1.7 66	. . . . .	1 .2 7	.. .. .
Rutland	13 8.5 345	12 8.4 345	. . . . .	1 <.05 1	.. .. .
Springfield	10 6.1 263	6 3.7 167	3 2.4 96	1 <.05 <.5	.. .. .
St. Albans	10 8.6 348	9 7.6 308	1 1.0 40	.. .. .	.. .. .
St. Johnsbury	4 2.2 91	4 2.2 91	.. .. .	.. .. .	.. .. .
White River Jct	2 .4 18	1 .4 16	1 .1 2	.. .. .	.. .. .

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

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

Table 28 -- VT Physician Assistants, 2006
 Numbers of Specialty Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by Hospital Service Area

Count FTEs Hours	SPECIALTY								
	CARE TOTAL	DERMA- TOLOGY	EMERGENCY MEDICINE	INTERNAL MEDICINE	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	UROLOGY	OTHER
STATEWIDE TOTAL	88 70.2 3059	7 6.6 271	40 24.8 1079	4 3.1 130	3 1.1 52	20 17.8 754	6 5.3 265	5 3.9 172	9 7.6 337
Barre	7 4.4 190	. . . . .	4 1.3 60	1 .4 20	. . . . .	4 2.7 110	.. .. .	.. .. .	.. .. .
Bennington	4 2.9 118	. . . . .	1 <.05 2	. . . . .	. . . . .	2 1.9 76	. . . . .	. . . . .	1 1.0 40
Brattleboro	2 1.5 68	. . . . .	1 .8 39	. . . . .	. . . . .	1 .7 29	.. .. .	.. .. .	.. .. .
Burlington	39 34.1 1495	7 6.2 255	12 9.2 389	2 1.6 64	1 .2 10	6 5.8 243	5 4.8 241	2 1.9 88	5 4.3 206
Middlebury	5 1.7 73	. . . . .	3 .6 23	. . . . .	. . . . .	1 1.0 42	. . . . .	1 .1 8	.. .. .
Morrisville	3 1.2 53	1 .2 8	1 .4 21	. . . . .	. . . . .	1 .6 24	.. .. .	.. .. .	.. .. .
Newport	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Randolph	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Rutland	12 5.7 240	. . . . .	7 2.3 101	2 .7 30	. . . . .	2 1.9 75	. . . . .	1 .9 34	.. .. .
Springfield	9 8.7 387	. . . . .	7 6.7 299	. . . . .	. . . . .	2 1.9 88	.. .. .	.. .. .	.. .. .
St. Albans	7 2.1 87	1 .2 8	2 .1 4	1 .4 16	. . . . .	. . . . .	. . . . .	1 <.05 1	2 1.5 58
St. Johnsbury	3 2.8 132	. . . . .	1 .4 16	. . . . .	1 .5 18	2 1.1 65	. . . . .	. . . . .	1 .8 33
White River Jct	9 5.1 217	. . . . .	5 3.0 125	. . . . .	1 .5 24	1 .1 3	1 .5 24	2 1.0 42	.. .. .

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

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

Table 29 -- VT Physician Assistants, 2006
 Primary Care Provider FTE to Population Ratios
 by Hospital Service Area

HSA	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	62.61	623,908	10.04	9,965
Barre	8.20	67,090	12.23	8,179
Bennington	4.06	40,604	9.99	10,009
Brattleboro	1.56	31,832	4.90	20,427
Burlington	16.39	169,401	9.68	10,336
Middlebury	1.55	28,497	5.45	18,359
Morrisville	.00	26,845	.00	
Newport	3.28	28,989	11.31	8,841
Randolph	1.81	14,704	12.33	8,113
Rutland	8.46	64,466	13.13	7,616
Springfield	6.11	28,700	21.27	4,700
St. Albans	8.59	45,393	18.93	5,282
St. Johnsbury	2.15	27,870	7.73	12,942
White River Jct	.44	49,517	.89	

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

Only primary care PAs are included in this table.

One FTE is 40 (or more) hours per week, 48 weeks per year or more. The FTEs are rounded to two digits for display only - the ratios were calculated using the unrounded values.

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

**Vermont Physician Assistants by
Area Health Education Center (AHEC) Regions**

Table 30 -- VT Physician Assistants, 2006
 Numbers of PAs, 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		163	87	88
		132.8	62.6	70.2
		5624	2565	3059
Champlain Valley		78	36	46
		64.5	26.5	37.9
		2734	1079	1654
Northeast VT		30	19	13
		23.2	14.8	8.4
		984	609	376
Southern VT		62	34	32
		45.2	21.3	23.9
		1906	877	1029

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

Table 31 -- VT Physician Assistants, 2006
 Numbers of Primary Care Providers, Full Time Equivalent (FTEs),
 and Total Weekly Patient Care Hours, by AHEC Region

Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	87 62.6 2565	68 48.2 1977	11 7.9 317	8 4.4 190	4 2.1 82
Champlain Valley	36 26.5 1079	29 20.7 833	2 2.0 78	7 3.9 168	. . .
Northeast VT	19 14.8 609	15 10.9 452	3 2.5 100	1 .5 21	2 .9 36
Southern VT	34 21.3 877	25 16.6 691	6 3.5 138	1 <.05 2	2 1.2 46

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

Table 32 -- VT Physician Assistants, 2006
 Numbers of Specialty Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by AHEC Region

Count FTEs Hours	SPECIALTY	DERMA-	EMERGENCY	INTERNAL	GENERAL	ORTHOP.	OTHER	UROLOGY	OTHER
	CARE TOTAL	TOLOGY	MEDICINE	MEDICINE	SURGERY	SURGERY	SURGERY		
STATEWIDE TOTAL	88	7	40	4	3	20	6	5	9
	70.2	6.6	24.8	3.1	1.1	17.8	5.3	3.9	7.6
	3059	271	1079	130	52	754	265	172	337
Champlain Valley	46	7	16	2	1	7	5	2	7
	37.9	6.4	9.9	2.0	.2	6.8	4.8	2.0	5.8
	1654	263	416	80	10	285	241	96	264
Northeast VT	13	1	6	1	1	7	.	.	1
	8.4	.2	2.1	.4	.5	4.5	.	.	.8
	376	8	97	20	18	199	.	.	33
Southern VT	32	.	18	2	1	7	1	3	1
	23.9	.	12.8	.7	.5	6.5	.5	1.9	1.0
	1029	.	566	30	24	270	24	76	40

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

Table 33 -- VT Physician Assistants, 2006
 Primary Care Provider FTE to Population Ratios by AHEC Region

AHEC region	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	62.61	623,908	10.04	9,965
Champlain Valley	26.54	243,064	10.92	9,160
Northeast VT	14.80	178,723	8.28	12,078
Southern VT	21.28	202,121	10.53	9,500

Only primary care PAs are included in this table.
 One FTE is 40 (or more) hours per week, 48 weeks per year
 or more. The FTEs are rounded to two digits for display
 only - the ratios were calculated using the unrounded values.

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

**Vermont Physician Assistants
Comparison Between 2004 and 2006**

Table 34 -- VT PAs, 2004 and 2006
 Changes in Number of PAs, Patient Care Hours
 and Specialties, between 2004 and 2006

	2004	2006	Change	
	-----	-----	-----	-----
TOTAL	155	163	+8	+5%
Main specialty:				
Primary Care Total	79	83	+4	+5%
Family Practice	55	62	+7	+13%
Internal Medicine	10	11	+1	+10%
Ob/Gyn	10	8	-2	-20%
Pediatrics	4	2	-2	-50%
Specialty Care Total	76	80	+4	+5%
Dermatology	6	7	+1	+17%
Emergency Medicine	37	30	-7	-19%
Internal Medicine	5	4	-1	-20%
Surgery: General	3	2	-1	-33%
Surgery: Orthopedic	14	19	+5	+36%
Surgery: Other	1	5	+4	+400%
Urology	4	5	+1	+25%
Other Specialties	6	8	+2	+33%
Age groups:				
younger than 35	38	28	-10	-26%
35 - 44	40	57	+17	+43%
45 - 54	53	45	-8	-15%
55 - 64	24	33	+9	+38%
65 and older	0	0	0	.
Gender:				
Male	68	70	+2	+3%
Female	87	93	+6	+7%
Patient care hours:				
40 or more hours/week	87	86	-1	-1%
30 to under 40 hours/week	33	35	+2	+6%
less than 30 hours/week	35	42	+7	+20%

Table 35 -- VT PAs, 2004 and 2006
Full Time Equivalents (FTEs) by County

PRIMARY CARE:	2004	2006	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	62.3	62.6	+ .3
Addison County	1.8	1.6	-.2
Bennington County	4.8	3.7	-1.1
Caledonia County	.7	1.5	+.8
Chittenden County	19.2	16.4	-2.8
Essex County	1.0	1.9	+.9
Franklin County	5.8	7.6	+1.8
Grand Isle County	1.0	1.0	.
Lamoille County	.2	.	-.2
Orange County	1.0	1.2	+.2
Orleans County	1.9	2.1	+.2
Rutland County	8.4	8.5	+.1
Washington County	7.0	8.2	+1.2
Windham County	3.0	3.4	+.4
Windsor County	6.6	5.8	-.8
SPECIALTY CARE:			
	<hr/>	<hr/>	<hr/>
STATE TOTAL	69.2	70.2	+1.0
Addison County	1.8	1.7	-.1
Bennington County	4.4	2.9	-1.5
Caledonia County	2.0	2.8	+.8
Chittenden County	27.3	34.1	+6.8
Essex County	.	.	.
Franklin County	2.8	2.1	-.7
Grand Isle County	.	.	.
Lamoille County	.7	1.2	+.5
Orange County	.	.	.
Orleans County	.	.	.
Rutland County	6.7	5.7	-1.0
Washington County	6.0	4.4	-1.6
Windham County	3.3	3.5	+.2
Windsor County	14.2	11.8	-2.4

Appendices

Appendix A. General Notes and Terms

Definition of Active Physician Assistant

A PA who was licensed or relicensed for the period 2006-2007 in Vermont, and who provided patient care hours in Vermont (not as locum tenens) as reported in the survey, is considered an active physician assistant.

Physician assistants not represented in these tables

Only *active* PAs are reported. Those who hold a Vermont license but are not actively in practice are excluded from all tables.

Specialties

Physician assistants reported their specialties using a predefined list. See Table 13 for the exact specialties reported. For the rest of the tables the detailed specialties were grouped in the following way:

Primary Care

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

Specialty Care

- Dermatology
- Emergency Medicine
- Internal Medicine includes several internal medicine subspecialties
- 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.
- Urology
- Other Specialties includes all specific specialties that are not included in the above specialty groups.

Determination of a physician assistant's main specialty

A PA's "main" specialty is the specialty group in which the PA 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.

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:	Primary Care	48	10	0.25
	Specialty Care	48	10	0.25
	Total		20	0.50
Example 2:	Primary Care	52	10	0.27
	Specialty Care	52	10	0.27
	Total		20	0.54
Example 3:	Primary Care	52	20	0.50
	Specialty Care	52	20	0.50
	Total		40	1.00
Example 4:	Primary Care	48	35	0.50
	Specialty Care	24	70	0.50
	Total		70	1.00

In the first example, the physician assistant works half-time and has hours split equally between primary and specialty care. 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 the hours total 40 for 1.0 FTE, and the adjustment for 52 weeks does not matter since the total FTE for a person is never more than 1.0. In the fourth example the physician assistant spends an average of 70 hours per week in patient care: 35 hours of primary care every week, and 70 hours of specialty care in each of only 24 weeks per year. This is calculated as 1.0 FTE total, and 0.5 FTE for each of primary care and specialty care.

Hospital Service Areas

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

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.

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

Main county is the county in which the physician assistant 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 physician assistants are exact integers, however, and should add up to displayed totals.

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

Most of the tables contain information that is individual-based (e.g., age, sex, and board certification). Each PA 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 PAs in more than one row or column, e.g., in every county the PA 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

1. Calculation of Age

Ages are calculated as of 1/31/2006, based on the date of birth. For example, a PA born during January 1960, or on any date in 1959 after January, is considered 46 years old. Tables that refer to age in 2004 are based on ages as of 1/31/2004.

2. “Main” Specialty and “Main” County determined independently

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

(note 3 skipped intentionally)

4. Notes regarding tables listing physician assistant Full Time Equivalents (FTE) and Hours by County or by other geographical areas:

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

Because of this inclusive approach taken in tallying physician assistant 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 area totals which sum the town-level physician assistant counts, the state totals which sum the area-level counts, and the “Total” of primary and secondary care combined. Unlike the totals for the counts of physician assistants, 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).

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

(notes 5 and 6 skipped intentionally)

7. Population Estimates

2006 population estimates are for July 1, 2006, as released by the Census Bureau.

8. **“Main” Setting and “Main” Specialty determined independently**
Each PA’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 PA will be counted. Secondary settings and specialties are ignored. A PA 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 form allowed the physician assistant to answer the “availability” questions (e.g., whether they accept new patients) separately for each site.

In the table depicting availability of care by specialty, each PA is counted once, in his or her main specialty. A PA 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 table depicting availability of care by county, the unit of counting is neither the PA nor the site, but rather the PA - site association. More than one response per PA is tabulated if that PA reported working at more than one site. Each site of each PA is tabulated under the specialty reported, whether or not that is the PA’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. **Practice settings included**

Unlike reports from the 2004 survey, where all settings are included, only office-based settings were counted for this purpose in this report. This includes ambulatory care and office-based specialties.

(notes 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, for 48 or more weeks per year, in Vermont. Average weekly hours (and FTEs), based on 48 weeks per year, were computed for PAs 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 PAs provide additional patient care outside Vermont (not listed), or do some other types of work besides direct patient care.



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Appendix C: Census of Physician Assistants - 2006

If you have questions about this form, please call Moshe Braner at (802) 863-7300 or 1-800-869-2871.

INSTRUCTIONS

Fill in checkboxes completely. Example:
Please print legibly using a dark blue or black pen and UPPERCASE letters.

- Scans well
- Does not scan well

Vermont Certificate Number

0	5	5	0	0							
---	---	---	---	---	--	--	--	--	--	--	--

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

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

Middle Name

Gender: Male

Female

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

Last Name

1. Please fill in all of the boxes below that describe your practice as a physician assistant: ("Active" here means providing direct patient care.)

- Active in clinical practice in Vermont
- Active in clinical practice outside Vermont
- Not currently in active practice

--- If you do not provide patient care in Vermont, please stop here and return this form.

2. If you work as a PA under more than one certificate, please list all your work on one form (if room allows). If you have already listed all your work under this certificate on another copy of this form, please check this box, stop here, and return this form. Already Reported

3. Please indicate the total number of physicians who currently serve as your primary or secondary supervising physician(s).

Total no. of physicians

--	--

4. Do you plan to retire, or leave your **Vermont** practice, within the next 5 years?

Yes No

5. Do you plan to reduce your patient care hours **in Vermont** within the next 5 years?

Yes No

6. 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 engaged in two practice settings within the same town, enter as separate "sites" (repeating the town).

SITE 1

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

SITE 2

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

SITE 3

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

SITE 4

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

CONTINUE ON NEXT PAGE

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Census of Physician Assistants - 2006 (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 Certificate Number for scanning purposes

0	5	5	0	0				
---	---	---	---	---	--	--	--	--

SITE 1 SITE 2 SITE 3 SITE 4

7. Choose the **ONE** description that **best fits** your practice setting (for each site). If you provide hospital care to patients who originate from your office or clinic, choose only the setting from which they originate.

- Ambulatory care, including associated hospital care: SITE 1 SITE 2 SITE 3 SITE 4
- Ambulatory care, without hospital care: SITE 1 SITE 2 SITE 3 SITE 4
- Office-based specialty care, including hospital care: SITE 1 SITE 2 SITE 3 SITE 4
- Office-based specialty care, without hospital care: SITE 1 SITE 2 SITE 3 SITE 4
- Hospital-based specialty care (e.g., E.D., or pathology): SITE 1 SITE 2 SITE 3 SITE 4
- Inpatient care only (hospitalist): SITE 1 SITE 2 SITE 3 SITE 4
- Student health center: SITE 1 SITE 2 SITE 3 SITE 4
- Business or work site: SITE 1 SITE 2 SITE 3 SITE 4
- Extended care / nursing home: SITE 1 SITE 2 SITE 3 SITE 4
- Other: (please specify) ----- SITE 1 SITE 2 SITE 3 SITE 4

8. Enter the number of **WEEKS per year** during which you provide direct patient care at each site: (We count 48 weeks per year as full time.)

SITE 1	SITE 2	SITE 3	SITE 4
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Primary Specialty (at each site):
(specialty name, if code not found):

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

HOURS per week in Primary Specialty:
(We count 40 hours per week as full time.)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Secondary Specialty, if any:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Hours per week in Secondary Specialty:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Tertiary Specialty, if any:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

Hours per week in Tertiary Specialty:

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
----------------------	----------------------	----------------------	----------------------

9. Please mark each box that applies:

SITE 1 SITE 2 SITE 3 SITE 4

- I will accept new patients here SITE 1 SITE 2 SITE 3 SITE 4
- I participate in Medicaid here SITE 1 SITE 2 SITE 3 SITE 4
- I will accept new Medicaid patients here SITE 1 SITE 2 SITE 3 SITE 4
- I participate in Medicare here SITE 1 SITE 2 SITE 3 SITE 4
- I will accept new Medicare patients here SITE 1 SITE 2 SITE 3 SITE 4
- I work as a locum tenens here SITE 1 SITE 2 SITE 3 SITE 4

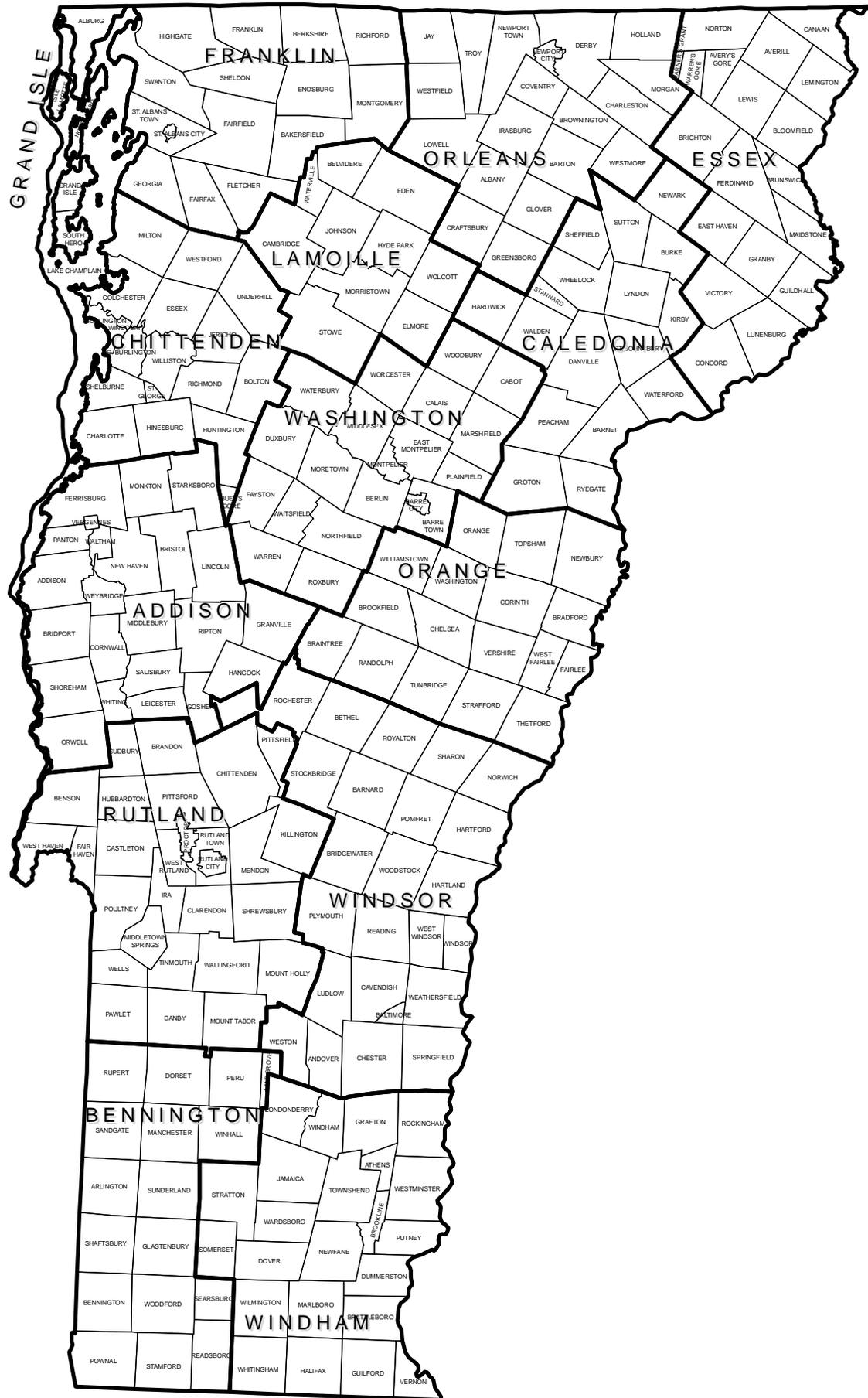


Appendix D:**SPECIALTY CODES****(primary care specialties in boldface)****(note: codes are not in numerical order, please check them carefully)**

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 Town and County Boundaries



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

