

Vermont Department of Health

Physician Assistants

2000 Survey

Statistical Report

2000 Physician Assistants Survey

Statistical Report

State of Vermont
James Douglas, Governor

Agency of Human Services
Charles Smith, Secretary

Department of Health
Dr. Paul Jarris, MD, MBA, Commissioner

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Acknowledgments

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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 2000; 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 who renewed their license as of the end of January, 2000. 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 1999. A copy of this survey is included in the Appendix. The surveys that were returned were compared against a list of all physician assistants who were relicensed. Follow-up mailings and phone calls were then made to those physician assistants 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.

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

This is the second survey of physician assistants. Information on PAs who practice in Vermont will be updated every two years. Results from the 2002 survey are also currently available. Similar data are collected from some additional health professionals, including physicians and advanced practice nurses. Results from some of these surveys are available on the Department of Health web site, <http://www.healthyvermonters.info> – look under “publications”.

Limitations: Responses were not obtained for 3 individuals (one of which was still licensed in 2002), and therefore it's unknown whether they were providing patient care in Vermont. This should not affect results such as demographics, educational training, etc. However if any of the non-responding individuals are providing patient care, the analysis of full time equivalents will be an undercount.

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

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 117 physician assistants providing patient care in Vermont.
- 70 (60%) of the physician assistants work mainly in primary care including:
 - 51 Family Practice Medicine
 - 9 Obstetrics and Gynecology
 - 7 Primary Care Internal Medicine
 - 3 Pediatric Primary Care
- 47 physician assistants provide mainly specialty care including:
 - 25 Emergency Medicine
 - 9 Surgery (5 orthopedic, 2 general, 2 other)
 - 2 Anesthesiology
 - 2 Psychiatry
 - 1 Specialty Internal Medicine
 - 8 other specialties
- The 117 Physician Assistants represent the equivalent of 93.0 full-time providers (FTEs, defined as 40 or more hours of patient care). This includes 50.9 FTEs in primary care and 42.1 FTEs in specialty care.
- Only 8 of the 117 PAs are over age 55, and only one of those is over 60.
- Sixty-six, or 56%, of the 117 physician assistants are women.
- 74% of the women practice primary care, while 41% of the men practice primary care.
- 66% of all physician assistants work in an office or clinic setting
 - 59% of men, 71% of women
- 31% work in a hospital setting
 - 39% of men, 24% of women
- 48% of all physician assistants work full-time
 - 39% of primary care provider, 62% of specialty care providers
 - 61% of men, 38% of women
- 25% have hospital admitting privileges
- 89% were University trained, 94% have taken the NCCPA Certification Exam

Vermont Physician Assistants

Demographic Characteristics

Table 1 -- VT Physician Assistants, 2000
 Summary of Active Physician Assistants

TOTAL	117	
Age groups:		
younger than 35	19	(16%)
35 - 44	38	(32%)
45 - 54	52	(44%)
55 - 64	7	(6%)
65 and older	1	(1%)
Gender:		
Male	51	(44%)
Female	66	(56%)
Patient care hours:		
40 or more hours/week	56	(48%)
30 to 39 hours/week	29	(25%)
less than 30 hours/week	32	(27%)
Main specialty:		
Primary Care Total	70	(60%)
Family Practice	51	(44%)
Primary Care Internal Medicine	7	(6%)
Pediatric Primary Care	3	(3%)
Obstetrics and Gynecology	9	(8%)
Specialty Care Total	47	(40%)
Anesthesiology	2	(2%)
Emergency Medicine	25	(21%)
Internal Medicine Specialties	1	(1%)
General Surgery	2	(2%)
Orthopedic Surgery	5	(4%)
Other Surgery	2	(2%)
Psychiatry	2	(2%)
Other Specialties	8	(7%)
Number of supervising physicians:		
One	1	(1%)
Two	34	(31%)
Three	23	(21%)
Four or more	51	(47%)
unknown	8	
Number of practice sites:		
One	91	(78%)
Two	25	(21%)
Three	0	(0%)
Four or more	1	(1%)

Table 2 -- VT Physician Assistants, 2000
Age by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	117	19	38	52	7	.	1	1%
MALES	51	6	15	28	2	.	.	.
FEMALES	66	13	23	24	5	.	1	2%
PRIMARY CARE	70	11	21	33	4	.	1	1%
Family Practice	51	11	20	18	2	.	.	.
Internal Medicine	7	.	1	5	1	.	.	.
Pediatrics	3	.	.	3	.	.	.	.
Ob/Gyn	9	.	.	7	1	.	1	11%
SPECIALTY CARE	47	8	17	19	3	.	.	.
Anesthesiology	2	.	1	1	.	.	.	.
Emergency Medicine	25	6	9	9	1	.	.	.
Internal Medicine	1	.	1	.	.	.	.	.
General Surgery	2	.	1	1	.	.	.	.
Orthopedic Surgery	5	.	.	5	.	.	.	.
Other Surgery	2	.	1	1	.	.	.	.
Psychiatry	2	.	.	.	2	.	.	.
Other Specialties	8	2	4	2	.	.	.	.
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	16%	32%	44%	6%	.	1%	1%
MALES	100%	12%	29%	55%	4%	.	.	.
FEMALES	100%	20%	35%	36%	8%	.	2%	2%
PRIMARY CARE	100%	16%	30%	47%	6%	.	1%	1%
SPECIALTY CARE	100%	17%	36%	40%	6%	.	.	.

See Note 1 for description of the calculation of age.

Table 3 -- VT Physician Assistants, 2000
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	117	19	38	52	7	.	1	1%
MALES	51	6	15	28	2	.	.	.
PRIMARY CARE	21	3	5	13	.	.	.	.
Family Practice	17	3	4	10	.	.	.	.
Internal Medicine	3	.	1	2	.	.	.	.
Pediatrics	1	.	.	1	.	.	.	.
SPECIALTY CARE	30	3	10	15	2	.	.	.
Anesthesiology	2	.	1	1	.	.	.	.
Emergency Medicine	14	3	4	7	.	.	.	.
Internal Medicine	1	.	1	.	.	.	.	.
General Surgery	2	.	1	1	.	.	.	.
Orthopedic Surgery	3	.	.	3	.	.	.	.
Other Surgery	2	.	1	1	.	.	.	.
Psychiatry	2	.	.	.	2	.	.	.
Other Specialties	4	.	2	2	.	.	.	.
FEMALES	66	13	23	24	5	.	1	2%
PRIMARY CARE	49	8	16	20	4	.	1	2%
Family Practice	34	8	16	8	2	.	.	.
Internal Medicine	4	.	.	3	1	.	.	.
Pediatrics	2	.	.	2	.	.	.	.
Ob/Gyn	9	.	.	7	1	.	1	11%
SPECIALTY CARE	17	5	7	4	1	.	.	.
Emergency Medicine	11	3	5	2	1	.	.	.
Orthopedic Surgery	2	.	.	2	.	.	.	.
Other Specialties	4	2	2	.	.	.	.	.

See Note 1 for description of the calculation of age.

Table 4 -- VT Physician Assistants, 2000
Age by County

County	Total	Number in Age Group						Age 60+ (%)
		<35	35-44	45-54	55-59	60-64	65+	
STATEWIDE TOTAL								
Total	117	19	38	52	7	.	1	1%
Primary Care	70	11	21	33	4	.	1	1%
Specialists	47	8	17	19	3	.	.	.
Addison County								
Primary Care	2	1	1	.	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Bennington County								
Primary Care	4	1	2	1	.	.	.	.
Specialists	6	2	2	2	.	.	.	.
Caledonia County								
Primary Care	1	.	1	.	.	.	.	.
Specialists	1	.	1	.	.	.	.	.
Chittenden County								
Primary Care	26	3	10	9	3	.	1	4%
Specialists	17	4	8	4	1	.	.	.
Essex County								
Primary Care	1	.	.	1	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Franklin County								
Primary Care	3	1	.	2	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Grand Isle County								
Primary Care	1	.	.	1	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Lamoille County								
Primary Care	1	.	.	1	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Orange County								
Primary Care	2	.	1	1	.	.	.	.
Specialists	1	.	1	.	.	.	.	.
Orleans County								
Primary Care	3	1	1	1	.	.	.	.
Specialists	0	.	.	.	.	.	.	.
Rutland County								
Primary Care	4	2	1	1	.	.	.	.
Specialists	6	1	1	4	.	.	.	.
Washington County								
Primary Care	9	1	3	4	1	.	.	.
Specialists	9	.	3	4	2	.	.	.
Windham County								
Primary Care	6	.	1	5	.	.	.	.
Specialists	1	.	.	1	.	.	.	.
Windsor County								
Primary Care	7	1	.	6	.	.	.	.
Specialists	6	1	1	4	.	.	.	.

Each provider 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 description of the calculation of age.

Table 5 -- VT Physician Assistants, 2000
Gender by County

County	Total	Males	Females
STATEWIDE TOTAL			
Total	117	51 (44%)	66 (56%)
Primary Care	70	21 (30%)	49 (70%)
Specialists	47	30 (64%)	17 (36%)
Addison County			
Primary Care	2	0	2 (100%)
Specialists	0	0	0
Bennington County			
Primary Care	4	2 (50%)	2 (50%)
Specialists	6	5 (83%)	1 (17%)
Caledonia County			
Primary Care	1	0	1 (100%)
Specialists	1	1 (100%)	0
Chittenden County			
Primary Care	26	5 (19%)	21 (81%)
Specialists	17	9 (53%)	8 (47%)
Essex County			
Primary Care	1	1 (100%)	0
Specialists	0	0	0
Franklin County			
Primary Care	3	3 (100%)	0
Specialists	0	0	0
Grand Isle County			
Primary Care	1	1 (100%)	0
Specialists	0	0	0
Lamoille County			
Primary Care	1	0	1 (100%)
Specialists	0	0	0
Orange County			
Primary Care	2	0	2 (100%)
Specialists	1	0	1 (100%)
Orleans County			
Primary Care	3	0	3 (100%)
Specialists	0	0	0
Rutland County			
Primary Care	4	2 (50%)	2 (50%)
Specialists	6	4 (67%)	2 (33%)
Washington County			
Primary Care	9	1 (11%)	8 (89%)
Specialists	9	6 (67%)	3 (33%)
Windham County			
Primary Care	6	2 (33%)	4 (67%)
Specialists	1	1 (100%)	0
Windsor County			
Primary Care	7	4 (57%)	3 (43%)
Specialists	6	4 (67%)	2 (33%)

Each provider 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 Physician Assistants, 2000
 Years in Clinical Practice

In Clinical Practice	Total	In Vermont
less than a year	1 (1%)	7 (6%)
1 or 2 years	9 (8%)	23 (20%)
3 or 4 years	17 (15%)	18 (15%)
5 to 9 years	18 (15%)	26 (22%)
10 to 14 years	22 (19%)	16 (14%)
15 to 19 years	20 (17%)	9 (8%)
20 years or more	28 (24%)	17 (15%)
unknown	2 (2%)	1 (1%)
Total	117 (100%)	117 (100%)

Vermont Physician Assistants
Distribution of Full Time Equivalents (FTEs)

Table 7 -- VT Physician Assistants, 2000
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	93.0	16.7	30.6	41.1	4.1	.	.4	0%
MALES	44.2	5.2	13.5	23.5	2.0	.	.	0%
FEMALES	48.8	11.5	17.1	17.6	2.2	.	.4	1%
PRIMARY CARE	50.9	8.7	15.0	24.7	2.0	.	.4	1%
Family Practice	39.3	8.7	14.1	15.1	1.4	.	.	0%
Internal Medicine	4.7	.	1.0	3.5	.3	.	.	0%
Pediatrics	1.4	.	.	1.4	.	.	.	0%
Ob/Gyn	5.5	.	.	4.7	.3	.	.4	8%
SPECIALTY CARE	42.1	8.0	15.6	16.5	2.1	.	.	0%
Anesthesiology	2.0	.	1.0	1.0	.	.	.	0%
Emergency Medicine	21.8	5.7	8.7	7.3	.1	.	.	0%
Internal Medicine	1.1	.	1.0	.1	.	.	.	0%
General Surgery	.9	.	.6	.3	.	.	.	0%
Orthopedic Surgery	4.6	.	.	4.6	.	.	.	0%
Other Surgery	2.2	.	1.2	1.0	.	.	.	0%
Psychiatry	1.5	.	.	.	1.5	.	.	0%
Other Specialties	8.1	2.3	3.1	2.2	.5	.	.	0%
	Total	% of total FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	18%	33%	44%	4%	.	<.5%	<.5%
MALES	100%	12%	31%	53%	4%	.	.	0%
FEMALES	100%	24%	35%	36%	4%	.	1%	1%
PRIMARY CARE	100%	17%	30%	48%	4%	.	1%	1%
SPECIALTY CARE	100%	19%	37%	39%	5%	.	.	<.5%

See Note 1 for description of the calculation of age.
Pathologists are excluded from this table (see Note 3).

Table 8 -- VT Physician Assistants, 2000
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	93.0	16.7	30.6	41.1	4.1	.	.4	0%
Primary Care	50.9	8.7	15.0	24.7	2.0	.	.4	1%
Specialists	42.1	8.0	15.6	16.5	2.1	.	.	0%
Addison County								
Primary Care	1.5	.9	.7	.	.	.	.	0%
Specialists	.0	.	.	.	.	.	.	.
Bennington County								
Primary Care	3.1	1.0	1.2	1.0	.	.	.	0%
Specialists	5.1	2.0	1.3	1.8	.	.	.	0%
Caledonia County								
Primary Care	.8	.	.8	.	.	.	.	0%
Specialists	1.1	.	1.0	.1	.	.	.	0%
Chittenden County								
Primary Care	18.4	2.3	7.2	7.5	1.0	.	.4	2%
Specialists	16.7	4.1	8.1	3.7	.8	.	.	0%
Essex County								
Primary Care	.9	.	.	.9	.	.	.	0%
Specialists	.0	.	.	.	.	.	.	.
Franklin County								
Primary Care	2.5	.6	.	1.9	.1	.	.	0%
Specialists	.4	.	.	.2	.2	.	.	0%
Grand Isle County								
Primary Care	<.05	.	.	<.05	.	.	.	0%
Specialists	.0	.	.	.	.	.	.	.
Lamoille County								
Primary Care	<.05	.	.	<.05	.	.	.	0%
Specialists	.3	.	.3	.	.	.	.	0%
Orange County								
Primary Care	1.3	.	.1	1.2	.	.	.	0%
Specialists	1.0	.	1.0	.	.	.	.	0%
Orleans County								
Primary Care	2.7	1.0	.7	1.0	.	.	.	0%
Specialists	.0	.	.	.	.	.	.	.
Rutland County								
Primary Care	3.3	1.5	1.0	.8	.	.	.	0%
Specialists	5.1	1.0	1.0	3.1	.	.	.	0%
Washington County								
Primary Care	7.9	1.0	2.4	3.5	1.0	.	.	0%
Specialists	6.2	.	2.0	3.2	1.1	.	.	0%
Windham County								
Primary Care	3.2	.1	1.0	2.1	.	.	.	0%
Specialists	1.1	.1	.	1.0	.	.	.	0%
Windsor County								
Primary Care	5.1	.4	.	4.7	.	.	.	0%
Specialists	5.2	.8	1.0	3.4	.	.	.	0%

See Note 1 for description of the calculation of age.
Pathologists are excluded from this table (see Note 3).

Table 9 -- VT Physician Assistants, 2000
 Numbers of Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	117 93.0 4002	72 50.9 2166	58 42.1 1836
Addison County	2 1.5 60	2 1.5 60	.. ..
Bennington County	10 8.1 341	4 3.1 124	6 5.1 217
Caledonia County	3 1.9 79	1 .8 34	2 1.1 46
Chittenden County	46 35.2 1506	28 18.4 762	22 16.7 744
Essex County	1 .9 38	1 .9 38	.. ..
Franklin County	6 2.9 135	4 2.5 119	2 .4 16
Grand Isle County	1 <.05 0	1 <.05 0	.. ..
Lamoille County	2 .3 18	1 <.05 2	1 .3 17
Orange County	4 2.3 92	3 1.3 53	1 1.0 39
Orleans County	3 2.7 122	3 2.7 122	.. ..
Rutland County	11 8.5 348	4 3.3 135	8 5.1 213
Washington County	20 14.1 623	9 7.9 356	11 6.2 267
Windham County	9 4.3 184	8 3.2 140	2 1.1 44
Windsor County	14 10.3 457	8 5.1 223	9 5.2 233

Pathologists are excluded from this table (see Note 3).
 In this table providers may be counted more than once (Note 4).
 Similar town-level data are available on request.

Table 10 -- VT Physician Assistants, 2000
 Numbers of Primary Care Providers, 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	72 50.9 2166	63 45.4 1944	54 39.3 1692	7 4.7 197	3 1.4 55	10 5.5 221	6 2.8 112	4 2.6 109
Addison County	2 1.5 60	2 1.5 60	2 1.5 60	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Bennington County	4 3.1 124	4 3.1 124	4 3.1 124	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Caledonia County	1 .8 34	1 .8 34	1 .8 34	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Chittenden County	28 18.4 762	21 13.8 574	18 11.6 485	2 1.2 48	1 1.0 41	7 4.6 188	3 2.0 79	4 2.6 109
Essex County	1 .9 38	1 .9 38	1 .9 38	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Franklin County	4 2.5 119	4 2.5 119	3 2.5 117	1 .1 2	.. .. .	.. .. .	.. .. .	.. .. .
Grand Isle County	1 <.05 0	1 <.05 0	1 <.05 0	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Lamoille County	1 <.05 2	. . . . .	. . . . .	. . . . .	. . . . .	1 <.05 2	1 <.05 2	.. .. .
Orange County	3 1.3 53	2 1.1 43	2 1.1 43	. . . . .	. . . . .	1 .2 9	1 .2 9	.. .. .
Orleans County	3 2.7 122	3 2.7 122	3 2.7 122	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Rutland County	4 3.3 135	4 3.3 135	4 3.3 135	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Washington County	9 7.9 356	8 7.4 335	8 7.4 335	. . . . .	. . . . .	1 .5 21	1 .5 21	.. .. .
Windham County	8 3.2 140	8 3.2 139	6 2.4 110	1 .4 16	2 .3 14	1 <.05 1	1 <.05 1	.. .. .
Windsor County	8 5.1 223	8 5.1 223	3 2.0 90	4 3.1 131	1 <.05 1	1 <.05 1	1 <.05 1	.. .. .

In this table providers may be counted more than once (Note 4).
 See Note 6 for description of OB/GYN classification.
 Similar town-level data are available on request.

Table 11 -- VT Physician Assistants, 2000
 Numbers of Specialty Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by County

Count	SPECIALTY									
	FTEs Hours	CARE TOTAL	INTERN. MEDIC.	GEN. SURG.	ORTHO. SURG.	OTHER SURG.	ANESTH.	RADIO- LOGY	EMERG. MED.	PSYCH.	OTHER
STATEWIDE TOTAL	58 42.1 1836	2 1.1 55	2 .9 36	5 4.6 191	3 2.2 125	2 2.0 93	.	36 21.8 937	2 1.5 61	13 8.1 339
Addison County	.	.	.	.	.	.	.	.	.	.
Bennington County	6 5.1 217	1 1.0 49	.	2 1.8 73	.	.	.	2 2.0 83	.	1 .3 12
Caledonia County	2 1.1 46	.	1 .6 26	.	.	.	.	2 .5 20	.	.
Chittenden County	22 16.7 744	.	.	.	2 2.0 115	2 2.0 93	.	11 8.3 348	1 .4 19	7 4.0 170
Essex County	.	.	.	.	.	.	.	.	.	.
Franklin County	2 .4 16	.	.	.	.	.	.	.	1 .1 4	2 .3 12
Grand Isle County	.	.	.	.	.	.	.	.	.	.
Lamoille County	1 .3 17	.	.	.	.	.	.	1 .3 17	.	.
Orange County	1 1.0 39	.	.	.	.	.	.	1 1.0 39	.	.
Orleans County	.	.	.	.	.	.	.	.	.	.
Rutland County	8 5.1 213	1 .1 6	.	1 .9 38	.	.	.	5 2.1 88	.	2 2.0 81
Washington County	11 6.2 267	1 <.05 0	1 .3 10	.	1 .2 10	.	.	8 3.7 163	1 1.0 38	2 1.1 46
Windham County	2 1.1 44	.	.	1 1.0 40	.	.	.	.	.	1 .1 4
Windsor County	9 5.2 233	1 <.05 0	.	1 1.0 39	.	.	.	6 3.9 179	.	1 .4 15

Pathologists are excluded from this table (see Note 3).
 In this table providers may be counted more than once (see Note 4).
 Similar town-level data are available on request.

Table 12 -- VT Physician Assistants, 2000
 Primary Care Provider FTE to Population Ratios by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	50.86	608,827	8.35	11,971
Addison County	1.50	35,974	4.17	23,966
Bennington County	3.09	36,994	8.35	11,982
Caledonia County	.84	29,702	2.82	35,465
Chittenden County	18.42	146,571	12.57	7,956
Essex County	.93	6,459	14.34	6,976
Franklin County	2.53	45,417	5.57	17,963
Grand Isle County	<.05	6,901	--	--
Lamoille County	<.05	23,233	--	--
Orange County	1.32	28,226	4.67	21,421
Orleans County	2.71	26,277	10.33	9,681
Rutland County	3.33	63,400	5.26	19,020
Washington County	7.87	58,039	13.56	7,374
Windham County	3.18	44,216	7.18	13,923
Windsor County	5.10	57,418	8.88	11,267

Only primary care providers 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, then rounded in turn to two digits for display.

Population data is from the 2000 census (see note 7).
 Pathologists are excluded from this table (see Note 3).
 See Note 4 regarding calculation of FTEs by county.

Table 13 -- VT Physician Assistants, 2000
Total FTEs by Practice Setting by Specialty

Care Setting	FTEs in Primary Care Specialty			
	Family	Internal	Pediatric	Ob/Gyn
TOTAL, all settings	39.3	4.7	1.4	5.5
solo practice	1.1	.4	.	.
group practice	18.7	3.2	.3	2.2
commun health ctr	13.9	.3	<.05	2.7
hosp outpat clinic	3.9	.9	.	.5
school/college	.6	.	1.0	.
business/worksite	<.05	.	.	.
hosp emergency room	.	.	.	.
hosp inpatient	.	.	.	.
other	1.1	.	.	.
unknown	.1	.	.	.

Care Setting	FTEs in Specialty							
	Anes	Emerg	Intern	Gen Surg	Orth Surg	Other Surg	Psych	Other Spec
TOTAL, all settings	2.0	21.8	1.1	.9	4.6	2.2	1.5	8.1
solo practice	.	.5	1.0	.3	.	.	.1	3.2
group practice	.	.1	.	.6	4.6	.	.4	3.8
commun health ctr	.	.	.	.	.	.	1.0	.3
hosp outpat clinic	.1	.9	.	.	.	.	.	.8
school/college	.	.	.	.	.	.	.	.
business/worksite	.	.1	.	.	.	.	.	.1
hosp emergency room	.	20.1	.1	.	.	.2	.	.
hosp inpatient	1.9	.	.	.	.	2.0	.	.
other	.	.	.	.	.	.	.	.

All worksites of each provider are counted in this table.

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

See Table 16 for a similar tabulation by counts rather than FTEs.

Table 14 -- VT Physician Assistants, 2000
Detailed Specialty List

SPECIALTY GROUP Specialty	Count of PAs Working in Specialty		
	As Main Specialty	As Secondary Specialty	FTE
TOTAL	117		
FAMILY PRACTICE			
Family Practice	47	3	36.0
General Practice	4	0	3.1
Geriatric Family Medicine	0	1	.2
INTERNAL MEDICINE (PRIMARY)			
Internal Medicine	7	0	4.7
PEDIATRICS (PRIMARY)			
Adolescent Internal Medicine	2	0	1.0
Pediatrics (general)	1	0	.3
OB/GYN			
Gynecology	5	1	2.8
Obstetrics & Gynecology	4	0	2.6
ANESTHESIOLOGY			
Anesthesiology	2	0	2.0
EMERGENCY MEDICINE			
Emergency Medicine	25	11	21.8
INTERNAL MEDICINE (SPECIALTY)			
Hematology (Internal Medicine)	0	1	.3
Internal Medicine (subspecialty)	0	1	.1
Medical Oncology	1	0	.7
GENERAL SURGERY	2	0	.9
ORTHOPEDIC SURGERY			
Hand Surgery (Orthopedic)	0	1	<.05
Orthopedic Surgery	5	0	4.6
OTHER SURGERY			
Cardiovascular Surgery	1	0	1.0
General Vascular Surgery	0	1	.2
Thoracic Surgery	1	0	1.0
PSYCHIATRY			
Psychiatry	2	0	1.5
PATHOLOGY			
Dermatopathology (Pathology)	0	1	--
OTHER SPECIALTIES			
Dermatology	1	0	.8
Family Medicine: Sports	0	2	.5
Occupational Medicine	3	1	2.8
Public Health & General Preventive	0	1	.3
Urology	4	0	3.1
Unspecified Specialty	0	2	.7

Vermont Physician Assistants' Training

Table 15 -- VT Physician Assistants, 2000
 Basis for Certification

Basis for VT Certification	TOTAL	Certification Examination			
		NCCPA	STATE	OTHER	UNKNOWN
Apprenticeship	14	6	3	2	3
University	102	100	2	2	0
unknown	1	1	0	0	0
TOTAL	117	107	5	4	3

Note: some PAs have taken more than one type of examination

Vermont Physician Assistants

Practice Characteristics

Table 16 -- VT Physician Assistants, 2000
Practice Setting by Specialty

Care Setting	Number in Primary Care Specialty			
	Family	Internal	Pediatric	Ob/Gyn
TOTAL, all settings	51	7	3	9
solo practice	2	1	.	.
group practice	23	4	1	3
commun health ctr	19	1	1	5
hosp outpat clinic	4	1	.	1
school/college	1	.	1	.
hosp emergency room	.	.	.	.
hosp inpatient	.	.	.	.
other	2	.	.	.

Care Setting	Number in Specialty							
	Anes	Emerg	Intern	Gen Surg	Orth Surg	Other Surg	Psych	Other Spec
TOTAL, all settings	2	25	1	2	5	2	2	8
solo practice	.	.	1	1	.	.	.	3
group practice	.	.	.	1	5	.	1	4
commun health ctr	.	.	.	.	.	.	1	.
hosp outpat clinic	.	1	.	.	.	.	.	1
school/college	.	.	.	.	.	.	.	.
hosp emergency room	.	24	.	.	.	.	.	.
hosp inpatient	2	.	.	.	.	2	.	.
other	.	.	.	.	.	.	.	.

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 17 -- VT Physician Assistants, 2000
Practice Setting by Age

Care Setting	Total	Number in Age Group					
		<35	35-44	45-54	55-59	60-64	65+
TOTAL, all settings	117 (100%)	19	38	52	7	.	1
solo practice	8 (7%)	2	3	3	.	.	.
group practice	42 (36%)	6	14	19	2	.	1
commun health ctr	27 (23%)	3	7	14	3	.	.
hosp outpat clinic	8 (7%)	2	2	4	.	.	.
school/college	2 (2%)	.	1	1	.	.	.
hosp emergency room	24 (21%)	6	8	9	1	.	.
hosp inpatient	4 (3%)	.	2	2	.	.	.
other	2 (2%)	.	1	.	1	.	.

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

See Note 1 for description of the calculation of age.

Table 18 -- VT Physician Assistants, 2000
Practice Setting by Gender

Care Setting	Total	Males		Females	
		Count	Percentage	Count	Percentage
TOTAL, all settings	117	51	(100%)	66	(100%)
solo practice	8	3	(6%)	5	(8%)
group practice	42	18	(35%)	24	(36%)
commun health ctr	27	9	(18%)	18	(27%)
hosp outpat clinic	8	3	(6%)	5	(8%)
school/college	2	1	(2%)	1	(2%)
hosp emergency room	24	13	(25%)	11	(17%)
hosp inpatient	4	4	(8%)	0	(0%)
other	2	0	(0%)	2	(3%)

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

Percentages are based on column totals.

Table 19 -- VT Physician Assistants, 2000
Average Patient Care Hours per Week,
by Provider Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
ALL SPECIALTIES	117	34	36	34	24	48%
PRIMARY CARE	70	32	34	33	21	39%
Family Practice	51	35	34	38	30	47%
Internal Medicine	7	29	38	31	12	14%
Pediatrics	3	19	.	19	.	33%
Ob/Gyn	9	24	.	27	15	11%
SPECIALTY CARE	47	37	38	36	29	62%
Anesthesiology	2	46	45	48	.	100%
Emergency Medicine	25	35	38	33	5	60%
Internal Medicine	1	49	49	.	.	100%
General Surgery	2	27	43	11	.	50%
Orthopedic Surgery	5	39	.	39	.	60%
Other Surgery	2	58	55	60	.	100%
Psychiatry	2	42	.	.	42	50%
Other Specialties	8	33	32	37	.	50%

'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.

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

Table 20 -- VT Physician Assistants, 2000
Average Patient Care Hours per Week,
by Provider Gender, Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
MALES:						
ALL SPECIALTIES	51	38	38	38	42	61%
PRIMARY CARE	21	39	38	40	.	57%
Family Practice	17	39	38	40	.	59%
Internal Medicine	3	39	38	40	.	33%
Pediatrics	1	41	.	41	.	100%
SPECIALTY CARE	30	37	39	36	42	63%
Anesthesiology	2	46	45	48	.	100%
Emergency Medicine	14	36	40	31	.	57%
Internal Medicine	1	49	49	.	.	100%
General Surgery	2	27	43	11	.	50%
Orthopedic Surgery	3	42	.	42	.	100%
Other Surgery	2	58	55	60	.	100%
Psychiatry	2	42	.	.	42	50%
Other Specialties	4	26	16	37	.	25%
FEMALES:						
ALL SPECIALTIES	66	31	35	30	18	38%
PRIMARY CARE	49	30	33	28	21	31%
Family Practice	34	33	33	35	30	41%
Internal Medicine	4	22	.	26	12	0%
Pediatrics	2	8	.	8	.	0%
Ob/Gyn	9	24	.	27	15	11%
SPECIALTY CARE	17	36	38	38	5	59%
Emergency Medicine	11	35	37	41	5	64%
Orthopedic Surgery	2	35	.	35	.	0%
Other Specialties	4	40	40	.	.	75%

'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.

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

Table 21 -- VT Physician Assistants, 2000
Average Patient Care Hours per Week,
by Provider Age, by County

County	Total	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
STATEWIDE TOTAL						
Primary Care	70	32	34	33	21	39%
Specialists	47	37	38	36	29	62%
Addison County						
Primary Care	2	30	30	.	.	0%
Specialists	0	.	.	.	.	.
Bennington County						
Primary Care	4	31	28	39	.	0%
Specialists	6	36	36	37	.	67%
Caledonia County						
Primary Care	1	34	34	.	.	0%
Specialists	1	43	43	.	.	100%
Chittenden County						
Primary Care	26	31	34	34	15	27%
Specialists	17	41	40	45	45	71%
Essex County						
Primary Care	1	41	.	41	.	100%
Specialists	0	.	.	.	.	.
Franklin County						
Primary Care	3	47	48	47	.	100%
Specialists	0	.	.	.	.	.
Grand Isle County						
Primary Care	1	<.5	.	<.5	.	0%
Specialists	0	.	.	.	.	.
Lamoille County						
Primary Care	1	2	.	2	.	0%
Specialists	0	.	.	.	.	.
Orange County						
Primary Care	2	22	3	40	.	50%
Specialists	1	39	39	.	.	0%
Orleans County						
Primary Care	3	46	49	40	.	100%
Specialists	0	.	.	.	.	.
Rutland County						
Primary Care	4	35	34	39	.	50%
Specialists	6	34	40	30	.	67%
Washington County						
Primary Care	9	41	41	40	45	67%
Specialists	9	30	29	34	22	44%
Windham County						
Primary Care	6	23	42	19	.	33%
Specialists	1	40	.	40	.	100%
Windsor County						
Primary Care	7	35	16	38	.	29%
Specialists	6	38	46	34	.	50%

'Full Time' is 40 (or more) hours of direct patient care per week in Vermont, 48 weeks per year (see Note 22). Each provider 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 description of the calculation of age. Pathologists are excluded from this table (see Note 3).

Table 22 -- VT Physician Assistants, 2000
Hospital Admitting Privileges by Specialties

Specialty	Total PA's	Number of PA's with Hospital Privileges	
TOTAL	117	28	(25%)
PRIMARY CARE	70	10	(15%)
Family Practice	51	7	(14%)
Internal Medicine	7	3	(43%)
Pediatrics	3	0	(0%)
Ob/Gyn	9	0	(0%)
SPECIALTY CARE	47	18	(41%)
Anesthesiology	2	0	(0%)
Emergency Medicine	25	8	(33%)
Internal Medicine	1	1	(100%)
General Surgery	2	0	(0%)
Orthopedic Surgery	5	4	(80%)
Other Surgery	2	2	(100%)
Psychiatry	2	0	(0%)
Other Specialties	8	3	(38%)

Providers are only counted once in the last column, even if they have privileges at multiple hospitals. The hospital privileges of 5 provider(s) are unknown, they are counted in the "Total" column, but excluded from the calculation of the percentage.

Table 23 -- VT Physician Assistants, 2000
Practice Availability by Specialty

Specialty	Offices	Plan to Continue Practice	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)	(%)
TOTAL	97	96%	96%	84%	91%
PRIMARY CARE	75	95%	94%	87%	93%
Family Practice	53	92%	92%	81%	90%
Internal Medicine	9	100%	100%	100%	100%
Pediatrics	3	100%	100%	100%	n.a.
Ob/Gyn	10	100%	100%	100%	100%
SPECIALTY CARE	22	100%	100%	73%	86%
Anesthesiology	2	100%	100%	100%	100%
Internal Medicine	1	100%	100%	100%	100%
General Surgery	2	100%	100%	50%	50%
Orthopedic Surgery	5	100%	100%	100%	100%
Psychiatry	3	100%	100%	33%	100%
Other Specialties	9	100%	100%	67%	78%

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

Each site a provider practices in is counted separately (see Note 10).

'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).

Table 24 -- VT Physician Assistants, 2000
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	75	95%	94%	87%	93%
Specialists	22	100%	100%	73%	86%
Addison County					
Primary Care	2	100%	100%	100%	100%
Specialists	0	.	.	.	.
Bennington County					
Primary Care	4	100%	50%	50%	50%
Specialists	4	100%	100%	100%	100%
Caledonia County					
Primary Care	1	100%	.	.	.
Specialists	1	100%	100%	100%	100%
Chittenden County					
Primary Care	26	92%	96%	80%	92%
Specialists	7	100%	100%	57%	86%
Essex County					
Primary Care	1	100%	100%	100%	100%
Specialists	0	.	.	.	.
Franklin County					
Primary Care	4	75%	75%	75%	67%
Specialists	2	100%	100%	50%	100%
Grand Isle County					
Primary Care	1	.	.	.	.
Specialists	0	.	.	.	.
Lamoille County					
Primary Care	1	100%	100%	100%	100%
Specialists	0	.	.	.	.
Orange County					
Primary Care	3	100%	100%	100%	100%
Specialists	0	.	.	.	.
Orleans County					
Primary Care	2	50%	100%	100%	100%
Specialists	0	.	.	.	.
Rutland County					
Primary Care	4	100%	100%	75%	100%
Specialists	3	100%	100%	100%	100%
Washington County					
Primary Care	9	100%	100%	100%	100%
Specialists	3	100%	100%	33%	33%
Windham County					
Primary Care	9	100%	100%	100%	100%
Specialists	1	100%	100%	100%	100%
Windsor County					
Primary Care	8	100%	100%	100%	100%
Specialists	1	100%	100%	100%	100%

Only office-based settings are included (see Note 11).
Each site a provider practices in is counted separately (see Note 10).
'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).

Table 25 -- VT Physician Assistants, 2000
 Providers Planning To Retire Or Reduce Hours

TOTAL	3
Age groups:	
younger than 35	1
35 - 44	2
45 - 54	0
55 - 64	0
65 and older	0
Gender:	
Male	0
Female	3
Current Patient care hours:	
40 or more hours/week	0
30 to 39 hours/week	1
less than 30 hours/week	2
Main specialty:	
Primary Care Total	3
Family Practice	3

Vermont Physician Assistants
by Health Care Areas

Table 26 -- VT Physician Assistants, 2000
 Numbers of Providers, 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	117 93.0 4002	72 50.9 2166	58 42.1 1836	
Central Vermont	21 14.2 626	10 8.0 359	11 6.2 267	
Chittenden	47 35.2 1506	29 18.4 762	22 16.7 744	
Copley	2 .3 18	1 <.05 2	1 .3 17	
Gifford	3 2.2 88	2 1.2 49	1 1.0 39	
North Country	4 3.6 159	4 3.6 159	. . . . .
Northeastern	3 1.9 79	1 .8 34	2 1.1 46	
Northwestern	6 2.9 135	4 2.5 119	2 .4 16	
Porter	2 1.5 60	2 1.5 60	. . . . .
Rutland	11 8.5 348	4 3.3 135	8 5.1 213	
Southwestern	11 8.3 349	5 3.2 128	7 5.1 222	
Springfield	16 11.3 501	10 6.1 267	9 5.2 233	
Upper Conn Valley	2 1.3 59	2 1.3 59	. . . . .
Windham	4 1.8 72	3 .8 32	1 1.0 40	

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

Table 27 -- VT Physician Assistants, 2000
 Numbers of Primary Care Providers, 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	72 50.9 2166	63 45.4 1944	54 39.3 1692	7 4.7 197	3 1.4 55	10 5.5 221	6 2.8 112	4 2.6 109
Central Vermont	10 8.0 359	9 7.4 339	9 7.4 339	. . . . .	. . . . .	1 .5 21	1 .5 21	.. .. .
Chittenden	29 18.4 762	22 13.8 574	19 11.6 485	2 1.2 48	1 1.0 41	7 4.6 188	3 2.0 79	4 2.6 109
Copley	1 <.05 2	. . . . .	. . . . .	. . . . .	. . . . .	1 <.05 2	1 <.05 2	.. .. .
Gifford	2 1.2 49	1 1.0 40	1 1.0 40	. . . . .	. . . . .	1 .2 9	1 .2 9	.. .. .
North Country	4 3.6 159	4 3.6 159	4 3.6 159	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Northeastern	1 .8 34	1 .8 34	1 .8 34	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Northwestern	4 2.5 119	4 2.5 119	3 2.5 117	1 .1 2	.. .. .	.. .. .	.. .. .	.. .. .
Porter	2 1.5 60	2 1.5 60	2 1.5 60	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Rutland	4 3.3 135	4 3.3 135	4 3.3 135	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Southwestern	5 3.2 128	5 3.2 128	5 3.2 128	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Springfield	10 6.1 267	10 6.1 267	6 3.9 178	3 2.2 88	1 <.05 1	1 <.05 1	1 <.05 1	.. .. .
Upper Conn Valley	2 1.3 59	2 1.3 59	1 .4 16	1 .9 43	.. .. .	.. .. .	.. .. .	.. .. .
Windham	3 .8 32	3 .8 32	1 .1 2	1 .4 16	2 .3 14	1 <.05 1	1 <.05 1	.. .. .

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

Table 28 -- VT Physician Assistants, 2000
 Numbers of Specialty Care Providers, 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.	ANESTH.	RADIO- LOGY	EMERG. MED.	PSYCH.	OTHER
STATEWIDE TOTAL	58 42.1 1836	2 1.1 55	2 .9 36	5 4.6 191	3 2.2 125	2 2.0 93	.	36 21.8 937	2 1.5 61	13 8.1 339
Central Vermont	11 6.2 267	1 <.05 0	1 .3 10	.	1 .2 10	.	.	8 3.7 163	1 1.0 38	2 1.1 46
Chittenden	22 16.7 744	.	.	.	2 2.0 115	2 2.0 93	.	11 8.3 348	1 .4 19	7 4.0 170
Copley	1 .3 17	.	.	.	.	.	.	1 .3 17	.	.
Gifford	1 1.0 39	.	.	.	.	.	.	1 1.0 39	.	.
North Country	.	.	.	.	.	.	.	.	.	.
Northeastern	2 1.1 46	.	1 .6 26	.	.	.	.	2 .5 20	.	.
Northwestern	2 .4 16	.	.	.	.	.	.	.	1 .1 4	2 .3 12
Porter	.	.	.	.	.	.	.	.	.	.
Rutland	8 5.1 213	1 .1 6	.	1 .9 38	.	.	.	5 2.1 88	.	2 2.0 81
Southwestern	7 5.1 222	1 1.0 49	.	2 1.8 73	.	.	.	2 2.0 83	.	2 .4 16
Springfield	9 5.2 233	1 <.05 0	.	1 1.0 39	.	.	.	6 3.9 179	.	1 .4 15
Upper Conn Valley	.	.	.	.	.	.	.	.	.	.
Windham	1 1.0 40	.	.	1 1.0 40	.	.	.	.	.	.

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

Table 29 -- VT Physician Assistants, 2000
 Primary Care Provider FTE to Population Ratios
 by Health Care Area

HCA	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	50.86	608827	8.35	11971
Central Vermont	7.95	66850	11.90	8404
Chittenden	18.43	164267	11.22	8915
Copley	.04	25312	.16	--
Gifford	1.23	18314	6.74	14837
North Country	3.64	27449	13.26	7540
Northeastern	.84	29724	2.82	35491
Northwestern	2.53	43151	5.86	17067
Porter	1.50	27774	5.40	18503
Rutland	3.33	64174	5.19	19252
Southwestern	3.17	40670	7.80	12823
Springfield	6.12	25984	23.54	4248
Upper Conn Valley	1.27	43185	2.93	34074
Windham	.80	31973	2.52	39759

Only primary care providers 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, then rounded in turn to two digits for display.

Population data is from the 2000 census (see note 7).
 Pathologists are excluded from this table (see Note 3).
 See Note 4 regarding calculation of FTEs by areas.

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

Table 30 -- VT Physician Assistants, 2000
 Numbers of Providers, 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		117	72	58
		93.0	50.9	42.1
		4002	2166	1836
Champlain Valley		49	32	22
		39.6	22.5	17.1
		1701	941	760
Northeast VT		30	17	15
		22.3	13.7	8.5
		972	603	368
Southern VT		40	23	23
		31.2	14.7	16.5
		1329	621	708

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

Table 31 -- VT Physician Assistants, 2000
 Numbers of Primary Care Providers, 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	72 50.9 2166	63 45.4 1944	54 39.3 1692	7 4.7 197	3 1.4 55	10 5.5 221	6 2.8 112	4 2.6 109
Champlain Valley	32 22.5 941	25 17.8 753	22 15.6 662	2 1.3 50	1 1.0 41	7 4.6 188	3 2.0 79	4 2.6 109
Northeast VT	17 13.7 603	15 12.9 571	15 12.9 571	. . . . .	. . . . .	2 .8 32	2 .8 32	.. .. .
Southern VT	23 14.7 621	23 14.7 620	17 10.8 458	5 3.5 147	2 .4 14	1 <.05 1	1 <.05 1	.. .. .

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

Table 32 -- VT Physician Assistants, 2000
 Numbers of Specialty Care Providers, 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.	ANESTH.	RADIO- LOGY	EMERG. MED.	PSYCH.	OTHER
STATEWIDE TOTAL	58	2	2	5	3	2	.	36	2	13
	42.1	1.1	.9	4.6	2.2	2.0	.	21.8	1.5	8.1
	1836	55	36	191	125	93	.	937	61	339
Champlain Valley	22	.	.	.	2	2	.	11	1	7
	17.1	.	.	.	2.0	2.0	.	8.3	.5	4.3
	760	.	.	.	115	93	.	348	23	182
Northeast VT	15	1	2	.	1	.	.	12	1	2
	8.5	<.05	.9	.	.2	.	.	5.4	1.0	1.1
	368	0	36	.	10	.	.	238	38	46
Southern VT	23	2	.	5	.	.	.	13	.	5
	16.5	1.1	.	4.6	.	.	.	8.0	.	2.8
	708	55	.	191	.	.	.	351	.	112

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

Table 33 -- VT Physician Assistants, 2000
 Primary Care Provider FTE to Population Ratios
 by AHEC Region

AHEC region	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	50.86	608827	8.35	11971
Champlain Valley	22.46	234863	9.56	10459
Northeast VT	13.71	171936	7.97	12543
Southern VT	14.69	202028	7.27	13750

Only primary care providers 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, then rounded in turn to two digits for display.

Population data is from the 2000 census (see note 7).

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

See Note 4 regarding calculation of FTEs by areas.

**Vermont Physician Assistants
Comparison Between 1998 and 2000**

Table 34 -- VT PAs, 1998 and 2000
Changes in Number of PAs, Patient Care Hours,
and Specialties, between 1998 and 2000

	1998	2000	Change	
TOTAL	107	117	+10	+9%
Age groups:				
younger than 35	21	19	-2	-10%
35 - 44	33	38	+5	+15%
45 - 54	49	52	+3	+6%
55 - 64	4	7	+3	+75%
65 and older	0	1	+1	--
Gender:				
Male	51	51	0	0%
Female	56	66	+10	+18%
Patient care hours:				
40 or more hours/week	57	56	-1	-2%
30 to under 40 hours/week	22	29	+7	+32%
less than 30 hours/week	28	32	+4	+14%
Main specialty:				
Primary Care Total	68	70	+2	+3%
Family Practice	44	51	+7	+16%
Internal Medicine	12	7	-5	-42%
Pediatrics	2	3	+1	+50%
Ob/Gyn	10	9	-1	-10%
Specialty Care Total	39	47	+8	+21%
Anesthesiology	3	2	-1	-33%
Emergency Medicine	20	25	+5	+25%
Internal Medicine	1	1	0	0%
General Surgery	2	2	0	0%
Orthopedic Surgery	5	5	0	0%
Other Surgery	2	2	0	0%
Psychiatry	1	2	+1	+100%
Other Specialties	5	8	+3	+60%

Table 35 -- VT PAs, 1998 and 2000
Full Time Equivalents (FTEs) by County

PRIMARY CARE:	1998	2000	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	48.8	50.9	+2.1
Addison County	2.2	1.5	- .7
Bennington County	5.0	3.1	-1.9
Caledonia County	1.4	.8	- .6
Chittenden County	14.2	18.4	+4.2
Essex County	.8	.9	+ .1
Franklin County	3.0	2.5	- .5
Grand Isle County	.	<.05	<.05
Lamoille County	.2	<.05	- .2
Orange County	1.0	1.3	+ .3
Orleans County	2.0	2.7	+ .7
Rutland County	3.4	3.3	- .1
Washington County	7.1	7.9	+ .8
Windham County	2.8	3.2	+ .4
Windsor County	5.8	5.1	- .7
SPECIALTY CARE:	1998	2000	Change
	<hr/>	<hr/>	<hr/>
STATE TOTAL	37.7	42.1	+4.4
Addison County	.	.	.
Bennington County	4.0	5.1	+1.1
Caledonia County	2.0	1.1	- .9
Chittenden County	11.5	16.7	+5.2
Essex County	.	.	.
Franklin County	1.1	.4	- .7
Grand Isle County	.	.	.
Lamoille County	.	.3	+ .3
Orange County	.3	1.0	+ .7
Orleans County	.	.	.
Rutland County	5.3	5.1	- .2
Washington County	6.0	6.2	+ .2
Windham County	2.5	1.1	-1.4
Windsor County	5.1	5.2	+ .1

Appendices

Appendix A. General Notes and Terms

Definition of Active Physician Assistant

A PA who was licensed or relicensed for the period 2000-2001 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 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 physician assistants who reported a solely gynecological practice or a solely obstetrical practice, along with those who reported 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 PA 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
- 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 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.

Main setting

Main setting is the practice setting in which the physician assistant provides the greatest number of patient care hours. The practice setting is the context in which patient care is given, and was reported in the site-by-site section of the survey (see Appendix C).

Physician assistants who practice exclusively in hospital settings

If **all** of a PA’s patient care settings at all sites are “hospital inpatient”, then the PA 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 PA’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, *including* their work in the inpatient setting.

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 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.

Main County

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

Numerical precision

Most numbers are displayed in finite precision in that they are individually rounded. Thus, some rows or columns of numbers may not add exactly to the displayed total (to the last, rightmost digit). This applies to FTEs, percentages and hours, for example, whether the numerals displayed are decimal or whole numbers. Counts of 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.

Footnotes for specific tables

1. **Calculation of Age**

Ages are calculated as of 1/31/2000, based on the date of birth. For example, a person born during January 1960, or on any date in 1959 after January, is considered 40 years old. Tables that refer to age in 1998 are based on ages as of 1/31/98.

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.

3. **Table Excludes Pathologists**

Pathology specialties are excluded from this table. Their hours in active practice are not part of our definition of direct patient care, and are not included in any table quantifying patient care. But note that some practitioners whose main specialty is pathology also provide some other kind of care that is counted as direct patient care.

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).

The above notes regarding totals apply as well to the “OB/Gyn Care Total” in the primary care tables.

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

(note index 5 skipped intentionally)

6. **Obstetrics, Gynecology, and Obstetrics and Gynecology**
“Gynecology Only” was listed separately from “OB/Gyn” so that physician assistants 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 source for population estimates is the 2000 census.
8. **“Main” Setting and “Main” Specialty determined independently**
Each physician assistant’s main practice setting and their main specialty, are determined independently, and used to determine the row and column in the table in which this physician assistant will be counted. Secondary settings and specialties are ignored. A physician assistant 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 physician assistant’s main specialty, main practice setting, 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, settings and counties are ignored. A physician assistant 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 physician assistant to answer the “availability” questions (e.g., whether they accept new patients) separately for each site. Therefore, in the tables about availability of care, the unit of counting is neither the physician assistant nor the site, but rather the physician assistant - site association. More than one response per physician assistant is tabulated if that physician assistant reported working at more than one site, or providing care in more than one setting within the site (and therefore filled in two site sections, see the survey instrument, Appendix C). Each response is tabulated under the specialty reported, whether or not that is the physician assistant’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, for 48 or more weeks per year, in Vermont. Average weekly hours (and FTEs), based on 48 weeks per year, were computed for providers who reported working more or less than 48 weeks per year. This results in fractional hours, and rounding errors may affect the displayed hours. Thus, in some cases the hours in the "total" columns differ, usually by one hour, from the totals of the hours displayed in the detail columns. Some providers provide additional patient care outside Vermont (not listed), or do some other types of work besides direct patient care.



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VERMONT DEPARTMENT OF HEALTH PHYSICIAN ASSISTANT SURVEY - 2000

1

This survey is designed to assess the distribution of provider resources throughout the state and assist in recruitment and retention efforts. Please answer all questions completely. If you have any questions, please contact the Department of Health at (802)-863-7300. Thank you for your cooperation.

(Please print legibly using a dark blue or black pen and uppercase letters)

Vermont License Number

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

Gender

Male Female

Month Day Year

Date of Birth:

--	--

--	--

1	9		
---	---	--	--

First Name

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

Middle Name

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

Last Name

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

Daytime Phone Number

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

(Please fill in check boxes completely using a dark blue or black pen)

1. Please fill in all of the boxes below that describe your practice as a Physician Assistant.

- Active in clinical practice in Vermont
- Active in clinical practice outside Vermont
- Retired from active practice
- Other: _____

- | |
|---|
| <input type="checkbox"/> Scans well |
| <input type="checkbox"/> Does not scan well |

IF YOU DO NOT PROVIDE PATIENT CARE IN VERMONT, PLEASE STOP HERE AND RETURN SURVEY.

2. Please check which certification examination(s) you've taken.

- NCCPA
- State Examination
- Other Examination

3. Please check the basis for your certification in Vermont.

- Apprenticeship Trained
- University Trained

4. In what year did you start working as a physician assistant?

1	9		
---	---	--	--

 Year

5. In what year did you start working as a physician assistant in Vermont?

1	9		
---	---	--	--

 Year

6. Do you have hospital admitting privileges in Vermont?

Yes No

7. Do you plan to retire or reduce your patient care hours in the next 12 months?

Yes No

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

Total No. of Physicians

--	--

GOTONEXTPAGE

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36415

VERMONT DEPARTMENT OF HEALTH

PHYSICIAN ASSISTANT SURVEY - 2000

3

For each location in Vermont where you provide patient care please answer questions 1-5 below. Please select the specialty codes from the yellow sheet, and enter the average hours per week you spend providing DIRECT PATIENT CARE. Include both AMBULATORY care and HOSPITAL care of patients who originate from this site. Please exclude on-call hours.

Vermont License Number

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

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

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

Scans well

Fill in check boxes completely using a dark blue or black pen.

Does not scan well

SITE THREE 1. Enter the town name for a third Vermont work location

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

2. Fill in 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

3. Please answer every question:

- Yes No I plan to continue here for the next 12 months
- 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 work as a locum tenens here

4. Enter the number of weeks you spend providing direct patient care here in a year.

		Weeks Per Year
--	--	----------------

5. Enter specialty, hours/week.

First Specialty	Hours
<input type="text"/>	<input type="text"/>
Second Specialty	Hours
<input type="text"/>	<input type="text"/>

SITE FOUR 1. Enter the town name for a fourth Vermont work location

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

2. Fill in 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

3. Please answer every question:

- Yes No I plan to continue here for the next 12 months
- 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 work as a locum tenens here

4. Enter the number of weeks you spend providing direct patient care here in a year.

		Weeks Per Year
--	--	----------------

5. Enter specialty, hours/week.

First Specialty	Hours
<input type="text"/>	<input type="text"/>
Second Specialty	Hours
<input type="text"/>	<input type="text"/>

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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 Otolaryngology/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	4012 Head & Neck Surgery
2002 Neurology	4013 Hepatology
2003 Neurology With Special Qualifications	4014 Homeopathic Medicine
In Child Neurology	4015 Immunology
2004 Addiction Psychiatry	4016 Legal Medicine
2005 Child & Adolescent Psychiatry	4017 Musculoskeletal Oncology
2006 Forensic Psychiatry	4018 Neuroradiology
2007 Geriatric Psychiatry	4019 Nutrition
2008 Clinical Neurophysiology	
	4020 Obstetrics
2101 Radiology	4021 Oral & Maxillofacial Surgery
2102 Diagnostic Radiology	4022 Orthopedic Surgery Of The Spine
2103 Radiation Oncology	4023 Orthopedic Trauma
2104 Radiological Physics	4024 Pain Medicine
2105 Nuclear Radiology	4025 Pediatric Allergy
2106 Pediatric Radiology	
2107 Vascular & Interventional Radiology	4026 Pediatric Ophthalmology
	4027 Pediatric Orthopedics
2201 Surgery	4028 Pediatric Surgery (Neurology)
2202 Surgery Of The Hand	4029 Pediatric Urology
2203 Pediatric Surgery	4030 Psychoanalysis
2204 Surgical Critical Care	
2205 General Vascular Surgery	4031 Radioisotopic Pathology
	4032 Sports Medicine (Orthopedic Surgery)
2301 Thoracic Surgery	4033 Traumatic Surgery
	4034 Sleep Medicine
2401 Urology	
3201 General Osteopathic Medicine	9001 Rotating Internship (Residency)
	9999 Other - Please Specify

CODES CONTINUED ON FRONT