

Vermont Department of Health

Physician Assistants

2012 Survey

Statistical Report

2012 Physician Assistants Survey

Statistical Report

State of Vermont
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Agency of Human Services
Douglas Racine, Secretary

Department of Health
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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 2012; 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, 2012. In cooperation with the Vermont Board of Medical Practice, the Department of Health included a survey with the relicensing renewal in the fall of 2011. 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 potentially active PAs relicensed at the time were reached, thus the response rate was 100%.

Included in this report are physician assistants who provide patient care in Vermont. Unlike the reports for 2004-2010, anesthesiology assistants (AAs), which have been a separate license type since after 2002, are included in the 2012 report. A number of PAs maintain Vermont licenses even though they do not practice in Vermont. Those PAs are excluded from this report.

This is the eighth bi-annual survey of physician assistants. 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> – 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 self-reported 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 240 physician assistants providing patient care in Vermont as of January, 2012. This includes anesthesiologist assistants (unlike previous reports).
- 98 (41%) of the physician assistants work mainly in primary care including:
 - 77 Family Practice Medicine
 - 12 Primary Care Internal Medicine
 - 6 Obstetrics and Gynecology
 - 3 Pediatric Primary Care
- 142 (59%) physician assistants provide mainly specialty care including:
 - 46 Surgery (33 orthopedic, 5 general, 8 other)
 - 43 Emergency Medicine
 - 12 Anesthesiology
 - 10 Specialty Internal Medicine
 - 31 other specialties
- Of the PAs in primary care, 22% are age 60 or older, compared to 8% of those in specialty care
- Of the 240 physician assistants, 137, or 57%, are women
- 52% of the women practice primary care, while 26% of the men practice primary care
- The 240 physician assistants represent the equivalent of 199.9 full-time providers (FTEs, defined as 40 or more hours of patient care per week). This includes 76.6 FTEs in primary care and 123.3 FTEs in specialty care
- 54% of all physician assistants work full-time (40 hours per week or more)
 - 42% of primary care providers and 63% of specialty care providers work full time
 - 56% of men and 53% of women work full time
- Between 2002 and 2012 the number of physician assistants in primary care increased from 69 to 98, and the number in specialty care increased from 61 to 142.

Comparison of Selected Physician Assistant Data, 2000-2012 **

	2000	2002	2004	2006	2008	2010	2012
Total physician assistants active in VT	117	130	155	163	191	202	240
Percent female	56%	59%	56%	57%	58%	60%	57%
Percent age 55 or older	7%	9%	15%	20%	25%	23%	23%
Average patient care hours per week	34	36	37	35	36	36	35
Primary care PAs	70	69	79	83	85	83	98
Family Practice	51	53	55	62	58	60	77
Internal Medicine	7	7	10	11	15	11	12
Ob/Gyn	9	8	10	8	9	6	6
Pediatric Primary Care	3	1	4	2	3	6	3
% accepting new patients *	95%	91%	97%	91%	85%	82%	88%
accepting new Medicaid patients *	89%	86%	92%	81%	66%	73%	78%
accepting new Medicare patients *	93%	86%	94%	83%	77%	73%	82%
Specialty care PAs **	47	61	76	80	106	119	142
Anesthesiology **	2	3					12
Emergency Medicine	25	33	37	30	35	40	43
Internal Medicine	1	1	5	4	9	11	10
Orthopedic Surgery	5	8	14	19	23	25	33
Primary care PA FTEs	50.9	54.3	62.3	62.6	64.8	67.0	76.6
Family Practice	39.3	43.6	45.4	48.2	46.0	49.3	62.5
Internal Medicine	4.7	5.3	7.5	7.9	11.8	9.4	8.6
Ob/Gyn	5.5	4.5	5.6	4.4	4.8	4.4	3.6
Pediatric Primary Care	1.4	1.0	3.9	2.1	2.1	3.9	1.9
FTEs/100,000 population	8.4	8.8	10.0	10.0	10.4	10.8	12.2
Specialty care PA FTEs **	42.1	54.8	69.2	70.2	93.9	105.7	123.3
Anesthesiology **							11.3
Emergency Medicine	21.8	29.4	33.8	24.8	31.2	32.4	34.2
Internal Medicine	1.1	1.0	4.8	3.1	8.1	9.6	7.9
Orthopedic Surgery	4.6	7.5	12.9	17.8	20.7	23.5	31.6

* Each PA is counted only once (in each year).

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

** 2012 and 2000-2002 numbers include anesthesiologist assistants, 2004-2010 do not.

Vermont Physician Assistants' Demographic Characteristics

Table 1 -- VT Physician Assistants, 2012
 Summary of Active Physician Assistants

TOTAL	240	(100%)
Main specialty:		
Primary Care Total	98	(41%)
Family Practice	77	(32%)
Primary Care Internal Medicine	12	(5%)
Obstetrics and Gynecology	6	(3%)
Pediatric Primary Care	3	(1%)
Specialty Care Total	142	(59%)
Anesthesiology	12	(5%)
Emergency Medicine	43	(18%)
Internal Medicine Specialties	10	(4%)
Surgery: General	5	(2%)
Surgery: Orthopedic	33	(14%)
Surgery: Other	8	(3%)
Other Specialties	31	(13%)
Age groups:		
younger than 35	51	(21%)
35 - 44	69	(29%)
45 - 54	64	(27%)
55 - 59	22	(9%)
60 - 64	28	(12%)
65 and older	6	(3%)
Gender:		
Male	103	(43%)
Female	137	(57%)
Patient care hours:		
40 or more hours/week	130	(54%)
30 to 39 hours/week	55	(23%)
less than 30 hours/week	55	(23%)
Number of supervising physicians:		
One	11	(5%)
Two	58	(27%)
Three	16	(7%)
Four or more	131	(61%)
unknown	24	
Number of practice sites:		
One	186	(78%)
Two	50	(21%)
Three	4	(2%)
Four or more	0	(0%)

Table 2 -- VT Physician Assistants, 2012
Age by Specialty and by Gender

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	240	51	69	64	22	28	6	14%
MALES	103	15	29	29	10	15	5	19%
FEMALES	137	36	40	35	12	13	1	10%
PRIMARY CARE	98	21	21	22	12	17	5	22%
Family Practice	77	20	16	19	7	11	4	19%
Internal Medicine	12	.	3	3	2	3	1	33%
Ob/Gyn	6	1	.	.	2	3	.	50%
Pediatrics	3	.	2	.	1	.	.	.%
SPECIALTY CARE	142	30	48	42	10	11	1	8%
Anesthesiology	12	1	4	6	1	.	.	.%
Emergency Medicine	43	8	12	12	3	7	1	19%
Internal Medicine	10	2	3	5	.	.	.	.%
Surgery: General	5	1	2	1	1	.	.	.%
Surgery: Orthopedic	33	11	8	9	3	2	.	6%
Surgery: Other	8	3	2	2	.	1	.	13%
Other Specialties	31	4	17	7	2	1	.	3%
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	21%	29%	27%	9%	12%	3%	14%
MALES	100%	15%	28%	28%	10%	15%	5%	19%
FEMALES	100%	26%	29%	26%	9%	9%	1%	10%
PRIMARY CARE	100%	21%	21%	22%	12%	17%	5%	22%
SPECIALTY CARE	100%	21%	34%	30%	7%	8%	1%	8%

Table 3 -- VT Physician Assistants, 2012
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	240	51	69	64	22	28	6	14%
MALES	103	15	29	29	10	15	5	19%
PRIMARY CARE	27	2	5	7	3	6	4	37%
Family Practice	24	2	5	7	2	5	3	33%
Internal Medicine	3	.	.	.	1	1	1	67%
SPECIALTY CARE	76	13	24	22	7	9	1	13%
Anesthesiology	8	.	4	3	1	.	.	.
Emergency Medicine	33	7	9	9	2	5	1	18%
Internal Medicine	5	1	2	2	.	.	.	.
Surgery: General	4	1	2	.	1	.	.	.
Surgery: Orthopedic	15	3	3	5	2	2	.	13%
Surgery: Other	4	1	1	1	.	1	.	25%
Other Specialties	7	.	3	2	1	1	.	14%
FEMALES	137	36	40	35	12	13	1	10%
PRIMARY CARE	71	19	16	15	9	11	1	17%
Family Practice	53	18	11	12	5	6	1	13%
Internal Medicine	9	.	3	3	1	2	.	22%
Ob/Gyn	6	1	.	.	2	3	.	50%
Pediatrics	3	.	2	.	1	.	.	.
SPECIALTY CARE	66	17	24	20	3	2	.	3%
Anesthesiology	4	1	.	3	.	.	.	.
Emergency Medicine	10	1	3	3	1	2	.	20%
Internal Medicine	5	1	1	3	.	.	.	.
Surgery: General	1	.	.	1	.	.	.	.
Surgery: Orthopedic	18	8	5	4	1	.	.	.
Surgery: Other	4	2	1	1	.	.	.	.
Other Specialties	24	4	14	5	1	.	.	.

Table 4 -- VT Physician Assistants, 2012
Age by County

County	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	240	51	69	64	22	28	6	14%
Primary Care	98	21	21	22	12	17	5	22%
Specialists	142	30	48	42	10	11	1	8%
Addison County								
Primary Care	2	.	2	.	.	.	.	.
Specialists	3	.	2	1	.	.	.	.
Bennington County								
Primary Care	4	.	2	.	1	1	.	25%
Specialists	7	.	5	1	.	1	.	14%
Caledonia County								
Primary Care	1	.	.	1	.	.	.	.
Specialists	3	1	.	.	2	.	.	.
Chittenden County								
Primary Care	28	7	7	7	1	5	1	21%
Specialists	67	16	24	22	3	2	.	3%
Essex County								
Primary Care	3	2	.	.	.	1	.	33%
Specialists	0	.	.	.	.	.	.	.
Franklin County								
Primary Care	13	7	1	3	1	.	1	8%
Specialists	5	2	2	.	1	.	.	.
Grand Isle County								
Primary Care	1	.	.	.	1	.	.	.
Specialists	0	.	.	.	.	.	.	.
Lamoille County								
Primary Care	0	.	.	.	.	.	.	.
Specialists	5	2	1	1	.	1	.	20%
Orange County								
Primary Care	2	.	1	.	.	1	.	50%
Specialists	5	1	1	3	.	.	.	.
Orleans County								
Primary Care	3	.	.	2	1	.	.	.
Specialists	1	.	.	1	.	.	.	.
Rutland County								
Primary Care	9	1	2	3	.	3	.	33%
Specialists	10	3	1	4	.	2	.	20%
Washington County								
Primary Care	15	2	3	4	4	1	1	13%
Specialists	6	.	2	2	.	2	.	33%
Windham County								
Primary Care	6	1	.	1	2	1	1	33%
Specialists	9	1	2	2	2	1	1	22%
Windsor County								
Primary Care	11	1	3	1	1	4	1	45%
Specialists	21	4	8	5	2	2	.	10%

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

Table 5 -- VT Physician Assistants, 2012
Gender by County

County	Total	Males	Females
STATEWIDE TOTAL			
Total	240	103 (43%)	137 (57%)
Primary Care	98	27 (28%)	71 (72%)
Specialists	142	76 (54%)	66 (46%)
Addison County			
Primary Care	2	1 (50%)	1 (50%)
Specialists	3	1 (33%)	2 (67%)
Bennington County			
Primary Care	4	2 (50%)	2 (50%)
Specialists	7	6 (86%)	1 (14%)
Caledonia County			
Primary Care	1	0	1
Specialists	3	3 (100%)	0 (0%)
Chittenden County			
Primary Care	28	6 (21%)	22 (79%)
Specialists	67	27 (40%)	40 (60%)
Essex County			
Primary Care	3	1 (33%)	2 (67%)
Specialists	0		
Franklin County			
Primary Care	13	6 (46%)	7 (54%)
Specialists	5	4 (80%)	1 (20%)
Grand Isle County			
Primary Care	1	0	1
Specialists	0		
Lamoille County			
Primary Care	0		
Specialists	5	0 (0%)	5 (100%)
Orange County			
Primary Care	2	0 (0%)	2 (100%)
Specialists	5	2 (40%)	3 (60%)
Orleans County			
Primary Care	3	1 (33%)	2 (67%)
Specialists	1	1	0
Rutland County			
Primary Care	9	4 (44%)	5 (56%)
Specialists	10	5 (50%)	5 (50%)
Washington County			
Primary Care	15	1 (7%)	14 (93%)
Specialists	6	4 (67%)	2 (33%)
Windham County			
Primary Care	6	2 (33%)	4 (67%)
Specialists	9	5 (56%)	4 (44%)
Windsor County			
Primary Care	11	3 (27%)	8 (73%)
Specialists	21	18 (86%)	3 (14%)

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, 2012
School Location by Specialty

Specialty	Total	Percent Graduated from School in Region								
		VT	NH	Other NewEng	Mid Atlant	South Central	West	Canada	Other Foreign	
TOTAL	240	12%	5%	23%	30%	19%	5%	5%	.	.
PRIMARY CARE	98	8%	4%	26%	30%	17%	5%	9%	1%	.
Family Practice	77	8%	5%	27%	27%	17%	5%	10%	.	.
Internal Medicine	12	.	.	25%	42%	17%	8%	.	8%	.
Ob/Gyn	6	17%	.	.	50%	17%	.	17%	.	.
Pediatrics	3	33%	.	33%	.	33%	.	.	.	.
SPECIALTY CARE	142	15%	6%	22%	30%	20%	6%	2%	.	.
Anesthesiology	12	.	.	.	8%	83%	8%	.	.	.
Emergency Medicine	43	19%	12%	28%	23%	9%	7%	2%	.	.
Internal Medicine	10	10%	.	30%	20%	10%	30%	.	.	.
Surgery: General	5	60%	20%	.	.	20%	.	.	.	.
Surgery: Orthopedic	33	12%	.	24%	36%	18%	3%	6%	.	.
Surgery: Other	8	.	.	25%	50%	25%	.	.	.	.
Other Specialties	31	16%	10%	19%	42%	13%	.	.	.	.

This table uses the standard mapping of states to regions, but separates out VT and NH (Note 12).

Table 7 -- VT Physician Assistants, 2012
 Years in Clinical Practice

Years In Clinical Practice	Total Years	Years in Vermont
less than a year	7 (3%)	13 (5%)
1 or 2 years	18 (8%)	42 (18%)
3 or 4 years	21 (9%)	27 (11%)
5 to 9 years	57 (24%)	66 (28%)
10 to 14 years	43 (18%)	31 (13%)
15 to 19 years	34 (14%)	27 (11%)
20 to 24 years	13 (5%)	11 (5%)
25 to 29 years	19 (8%)	8 (3%)
30 years or more	28 (12%)	14 (6%)
unknown	0	1
Total	240	240
Median Years	11	7

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

Table 8 -- VT Physician Assistants, 2012
Full Time Equivalent (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	199.9	46.8	58.6	52.1	17.3	21.2	4.0	13%
MALES	89.4	13.8	26.3	24.2	9.4	12.2	3.6	18%
FEMALES	110.5	33.0	32.3	27.9	8.0	9.0	.3	8%
PRIMARY CARE	76.6	19.1	17.0	16.7	8.5	12.3	3.0	20%
Family Practice	62.5	18.1	13.7	14.2	6.1	8.5	2.0	17%
Internal Medicine	8.6	.	1.7	2.6	1.3	2.1	1.0	36%
Ob/Gyn	3.6	1.0	.3	.	.6	1.7	.	47%
Pediatrics	1.9	<.05	1.3	.	.6	.	.	0%
SPECIALTY CARE	123.3	27.6	41.6	35.4	8.8	8.8	1.0	8%
Anesthesiology	11.3	.3	4.0	6.1	1.0	.	.	0%
Emergency Medicine	34.2	7.6	9.5	8.5	2.0	5.5	1.0	19%
Internal Medicine	7.9	1.0	2.9	3.9	.	.	.	0%
Surgery: General	3.3	.5	1.2	1.0	.5	.1	.	2%
Surgery: Orthopedic	31.6	11.3	7.2	7.8	3.5	1.9	.	6%
Surgery: Other	8.0	3.0	2.0	2.0	.	1.0	.	12%
Other Specialties	27.0	3.9	14.8	6.0	1.8	.4	.	2%

	Total	% of total FTEs in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	23%	29%	26%	9%	11%	2%	13%
MALES	100%	15%	29%	27%	10%	14%	4%	18%
FEMALES	100%	30%	29%	25%	7%	8%	.	8%
PRIMARY CARE	100%	25%	22%	22%	11%	16%	4%	20%
SPECIALTY CARE	100%	22%	34%	29%	7%	7%	1%	8%

Table 9 -- VT Physician Assistants, 2012
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	199.9	46.8	58.6	52.1	17.3	21.2	4.0	13%
Primary Care	76.6	19.1	17.0	16.7	8.5	12.3	3.0	20%
Specialists	123.3	27.6	41.6	35.4	8.8	8.8	1.0	8%
Addison County								
Primary Care	1.7	.	1.7	.	.	.	.	0%
Specialists	2.0	.1	1.6	.3	.	<.05	.	2%
Bennington County								
Primary Care	3.6	.	2.0	.	.6	1.0	.	28%
Specialists	6.4	.	4.5	.9	.	1.0	.	16%
Caledonia County								
Primary Care	.8	.	.	.8	.	.	.	0%
Specialists	3.0	1.0	.	.	2.0	.	.	0%
Chittenden County								
Primary Care	21.4	6.5	5.8	4.5	.6	3.0	1.0	19%
Specialists	60.4	15.3	22.2	18.8	2.7	1.4	.	2%
Essex County								
Primary Care	2.9	1.8	.	.1	.	1.0	.	34%
Specialists	.	.	.	.	.	.	.	.
Franklin County								
Primary Care	11.1	6.2	1.0	2.3	.9	.	.7	6%
Specialists	4.9	2.3	1.3	.2	1.0	.	.	0%
Grand Isle County								
Primary Care	1.0	.	.	.	1.0	.	<.05	0%
Specialists	.	.	.	.	.	.	.	.
Lamoille County								
Primary Care	.	.	.	.	.	.	.	.
Specialists	3.7	2.0	.2	1.0	.	.5	.	14%
Orange County								
Primary Care	1.8	.	1.0	.	.	.8	.	44%
Specialists	3.9	.5	.6	2.8	.	.	.	0%
Orleans County								
Primary Care	3.0	.	.	2.0	1.0	.	.	0%
Specialists	.3	.	.	.3	.	.	.	0%
Rutland County								
Primary Care	6.7	.9	1.4	2.0	.	2.4	.	36%
Specialists	9.5	3.0	1.2	3.2	.2	1.8	.	19%
Washington County								
Primary Care	10.6	1.9	1.7	3.0	2.2	1.0	.8	17%
Specialists	5.3	<.05	1.7	2.0	.	1.7	.	31%
Windham County								
Primary Care	4.2	.8	.	1.0	1.3	.8	.3	27%
Specialists	5.8	.1	1.0	1.8	1.0	.9	1.0	33%
Windsor County								
Primary Care	8.0	1.0	2.4	1.0	1.0	2.4	.2	31%
Specialists	18.0	3.2	7.3	4.0	2.0	1.6	.	9%

Table 10 -- VT Physician Assistants, 2012
 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	240 199.9 8435	100 76.6 3112	155 123.3 5323
Addison County	8 3.7 153	2 1.7 71	7 2.0 82
Bennington County	12 10.0 424	4 3.6 152	8 6.4 272
Caledonia County	4 3.7 148	1 .8 30	3 3.0 118
Chittenden County	95 81.8 3511	29 21.4 876	70 60.4 2635
Essex County	4 2.9 115	4 2.9 115	.. ..
Franklin County	21 15.9 670	13 11.1 446	10 4.9 225
Grand Isle County	2 1.0 38	2 1.0 38	.. ..
Lamoille County	6 3.7 166	. . . .	6 3.7 166
Orange County	7 5.7 244	2 1.8 80	5 3.9 164
Orleans County	4 3.3 133	3 3.0 120	1 .3 13
Rutland County	24 16.1 688	10 6.7 274	16 9.5 414
Washington County	22 16.0 647	15 10.6 425	9 5.3 223
Windham County	16 10.0 424	6 4.2 167	10 5.8 256
Windsor County	33 26.0 1074	12 8.0 319	22 18.0 755

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

Table 11 -- VT Physician Assistants, 2012
 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	100 76.6 3112	78 62.5 2533	12 8.6 356	8 3.6 148	4 1.9 75
Addison County	2 1.7 71	2 1.7 71	.. .. .	.. .. .	.. .. .
Bennington County	4 3.6 152	3 2.6 112	. . . . .	. . . . .	1 1.0 40
Caledonia County	1 .8 30	1 .8 30	.. .. .	.. .. .	.. .. .
Chittenden County	29 21.4 876	21 16.3 658	3 3.0 130	4 1.9 78	1 .3 10
Essex County	4 2.9 115	4 2.9 115	.. .. .	.. .. .	.. .. .
Franklin County	13 11.1 446	12 10.1 406	. . . . .	1 1.0 40	.. .. .
Grand Isle County	2 1.0 38	2 1.0 38	.. .. .	.. .. .	.. .. .
Lamoille County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Orange County	2 1.8 80	2 1.8 80	.. .. .	.. .. .	.. .. .
Orleans County	3 3.0 120	3 3.0 120	.. .. .	.. .. .	.. .. .
Rutland County	10 6.7 274	8 6.3 258	1 .4 15	1 <.05 1	.. .. .
Washington County	15 10.6 425	11 8.9 354	1 .6 22	2 .6 25	1 .6 24
Windham County	6 4.2 167	4 2.9 117	2 1.3 50	.. .. .	.. .. .
Windsor County	12 8.0 319	6 4.3 174	5 3.5 139	1 .1 5	1 <.05 1

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

Table 12 -- VT Physician Assistants, 2012
 Numbers of Specialty Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	ANESTH- ESIOLOG.	EMERGENCY MEDICINE	INTERNAL MEDICINE	GENERAL SURGERY	ORTHOPE- DIASTRIC SURGERY	OTHER SURGERY	OTHER
STATEWIDE TOTAL	155 123.3 5323	13 11.3 486	57 34.2 1439	10 7.9 385	6 3.3 131	36 31.6 1346	9 8.0 384	40 27.0 1154
Addison County	7 2.0 82	. . . . .	5 1.0 40	. . . . .	. . . . .	1 1.0 40	. . . . .	1 <.05 2
Bennington County	8 6.4 272	5 4.9 12	. . . . .	. . . . .	. . . . .	1 1.0 40	. . . . .	2 .5 20
Caledonia County	3 3.0 118	. . . . .	. . . . .	. . . . .	2 1.0 40	3 2.0 78	.. .. .	.. .. .
Chittenden County	70 60.4 2635	8 6.4 274	13 8.8 354	4 3.5 195	1 .2 8	15 13.5 556	8 8.0 382	24 20.1 866
Essex County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Franklin County	10 4.9 225	. . . . .	4 2.5 109	. . . . .	. . . . .	2 2.0 100	. . . . .	4 .4 16
Grand Isle County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Lamoille County	6 3.7 166	. . . . .	1 .5 20	. . . . .	. . . . .	3 3.0 140	. . . . .	2 .2 6
Orange County	5 3.9 164	. . . . .	. . . . .	3 2.3 99	1 1.0 40	. . . . .	. . . . .	1 .6 25
Orleans County	1 .3 13	. . . . .	. . . . .	. . . . .	. . . . .	1 .3 13	.. .. .	.. .. .
Rutland County	16 9.5 414	. . . . .	5 2.0 86	2 1.2 54	. . . . .	4 3.9 166	. . . . .	7 2.5 108
Washington County	9 5.3 223	. . . . .	5 2.3 92	. . . . .	1 .1 3	2 1.5 68	2 <.05 2	2 1.5 58
Windham County	10 5.8 256	. . . . .	6 3.1 145	1 .9 36	. . . . .	1 .8 30	. . . . .	3 1.1 45
Windsor County	22 18.0 755	. . . . .	19 14.1 591	. . . . .	1 1.0 40	3 2.7 115	. . . . .	1 .2 9

In this table PAs may be counted more than once (see Note 4).
 Anesthesiology Assistants included, unlike previous reports.

Table 13 -- VT Physician Assistants, 2012
 Primary Care Provider FTE to Population Ratios by County

County	FTEs	2011 Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	76.6	626,431	12.2	8,176
Addison County	1.7	36,742	4.7	21,514
Bennington County	3.6	36,970	9.7	10,269
Caledonia County	.8	31,166	2.4	41,555
Chittenden County	21.4	157,491	13.6	7,363
Essex County	2.9	6,291	45.7	2,188
Franklin County	11.1	48,113	23.0	4,343
Grand Isle County	1.0	6,931	13.7	7,286
Lamoille County	.0	24,701	.0	.
Orange County	1.8	29,006	6.2	16,114
Orleans County	3.0	27,173	11.0	9,058
Rutland County	6.7	61,289	10.9	9,165
Washington County	10.6	59,626	17.8	5,614
Windham County	4.2	44,266	9.5	10,576
Windsor County	8.0	56,666	14.1	7,107

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 2011
 (see Note 7).

Table 14 -- VT Physician Assistants, 2012
Total FTEs by Practice Setting by Specialty

PRIMARY CARE:

Care Setting	Total	Number in Primary Care Specialty			
		Family	Internal	Ob/Gyn	Pediatric
TOTAL, all settings	76.6	62.5	8.6	3.6	1.9
Office, incl hosp *	10.4	6.8	1.5	2.1	.
Office, w/o hosp *	61.7	51.6	6.8	1.5	1.9
Hospital-based	.0	.	.	.	.
Hospitalist	.0	.	.	.	.
Student health ctr	3.2	3.2	.	.	.
Business/work site	.5	.	.4	.1	.
Other	.9	.9	.	.	.

SPECIALTY CARE:

Care Setting	Total	Number in Specialty						
		Anes	Emerg	Intern	Gen Surg	Orth Surg	Other Surg	Other Spec
TOTAL, all settings	123.3	11.3	34.2	7.9	3.3	31.6	8.0	27.0
Office, incl hosp *	42.6	2.3	1.7	3.2	2.3	21.9	4.0	7.4
Office, w/o hosp *	19.3	.3	.9	1.0	.	5.8	1.0	10.3
Hospital-based	55.5	8.8	31.6	.	1.0	3.9	3.0	7.1
Hospitalist	3.7	.	.	3.7	.	.	.	.
Student health ctr	.0	.	.	.	.	.	.	.
Business/work site	.0	.	.	.	.	.	.	.
Other	2.2	.	.	.	.	.	.	2.2

All worksites of each PA are counted in this table.

* The settings as listed on the survey form were:

- Ambulatory care, including associated hospital care
- Ambulatory care, without hospital care
- Office-based specialty care, including hospital care
- Office-based specialty care, without hospital care
- Hospital-based specialty care (e.g., ED, or pathology)
- Inpatient care only (hospitalist)
- Student health center
- Extended care / nursing home
- Other

In this report "Ambulatory" and "Office-based" are combined.

Table 15 -- VT Physician Assistants, 2012
Detailed Specialty List

SPECIALTY GROUP Specialty	Count of PAs Working in Specialty		
	As Main Specialty	As Secondary Specialty	FTE
TOTAL	240		
--- PRIMARY CARE ---			
FAMILY PRACTICE			
Family Practice	68	.	56.4
General Practice	9	1	6.1
INTERNAL MEDICINE (PRIMARY)	12	.	8.6
OB/GYN			
Gynecology	4	2	2.6
Obstetrics & Gynecology	2	.	1.0
PEDIATRICS	3	1	1.9
--- SPECIALTY CARE ---			
ANESTHESIOLOGY			
Anesthesiology	11	.	10.8
Pain Management	1	1	.5
DERMATOLOGY			
Dermatology	8	.	7.7
Pediatric Dermatology	.	1	.1
EMERGENCY MEDICINE	43	14	34.2
INTERNAL MEDICINE (SPECIALTY)			
Cardiovascular Disease	1	.	1.0
Hematology (Internal Medicine)	1	.	.5
Internal Medicine	1	.	.9
Medical Oncology	2	1	1.7
Pulmonary Disease	1	.	.5
Rheumatology	1	.	1.0
NEUROLOGY	.	1	.5
PSYCHIATRY			
Addiction Medicine	1	.	1.0
Addiction Psychiatry	1	.	.9
Psychiatry	1	.	.9
RADIOLOGY			
Vascular/Interventional Radiology	3	.	3.0
SURGERY: GENERAL	5	1	3.3
SURGERY: ORTHOPEDIC			
Adult Reconstructive Orthopedics	1	.	1.0
Hand Surgery (Orthopedic)	2	.	1.9
Orthopedic Surgery	24	4	22.9
Orthopedic Surgery Of The Spine	4	.	3.8
Orthopedic Surgery: Sports	2	.	2.0
SURGERY: OTHER			
Abdominal Surgery	1	.	1.0
Cardiovascular Surgery	2	.	2.0
General Vascular Surgery	1	.	1.0
Neurological Surgery	3	.	3.0
Surgery Of The Hand	.	1	<.05
Surgical Critical Care	1	.	1.0
OTHER SPECIALTIES			
Gynecologic Oncology	2	1	1.7
Hospitalist	3	.	2.3
Occupational Medicine	4	2	2.9
Otolaryngology	2	.	1.4
Physical Medicine & Rehabilitation	1	.	.1
Plastic Surgery	2	.	2.0
Urgent Care	1	3	.5
Urology	4	1	3.2
Unlisted Specialty	1	3	1.0

Vermont Physician Assistants' Practice Characteristics

Table 16 -- VT Physician Assistants, 2012
Practice Setting by Specialty

PRIMARY CARE:

Care Setting	Total	Number in Primary Care Specialty			
		Family	Internal	Ob/Gyn	Pediatric
TOTAL, all settings	98	77	12	6	3
Office, incl hosp *	12	8	2	2	.
Office, w/o hosp *	80	64	9	4	3
Hospital-based	0	.	.	.	.
Hospitalist	0	.	.	.	.
Student health ctr	4	4	.	.	.
Business/work site	1	.	1	.	.
Other	1	1	.	.	.

SPECIALTY CARE:

Care Setting	Total	Number in Specialty						
		Anes	Emerg	Intern	Gen Surg	Orth Surg	Other Surg	Other Spec
TOTAL, all settings	142	12	43	10	5	33	8	31
Office, incl hosp *	51	3	3	5	5	23	4	8
Office, w/o hosp *	21	.	1	1	.	6	1	12
Hospital-based	63	9	39	.	.	4	3	8
Hospitalist	4	.	.	4	.	.	.	.
Student health ctr	0	.	.	.	.	.	.	.
Business/work site	0	.	.	.	.	.	.	.
Other	3	.	.	.	.	.	.	3

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

* The settings as listed on the survey form were:

Ambulatory care, including associated hospital care
 Ambulatory care, without hospital care
 Office-based specialty care, including hospital care
 Office-based specialty care, without hospital care
 Hospital-based specialty care (e.g., ED, or pathology)
 Inpatient care only (hospitalist)
 Student health center
 Extended care / nursing home
 Other

In this report "Ambulatory" and "Office-based" are combined.

Table 17 -- VT Physician Assistants, 2012
Practice Setting by Age

Care Setting	Total	Number in Age Group					
		<35	35-44	45-54	55-59	60-64	65+
TOTAL, all settings	240 (100%)	51	69	64	22	28	6
Office, incl hosp *	63 (26%)	19	16	17	4	6	1
Office, w/o hosp *	101 (42%)	18	30	21	13	15	4
Hospital-based	63 (26%)	11	20	19	5	7	1
Hospitalist	4 (2%)	1	1	2	.	.	.
Student health ctr	4 (2%)	.	1	3	.	.	.
Business/work site	1 (0%)	.	1	.	.	.	.
Other	4 (2%)	2	.	2	.	.	.

Table 18 -- VT Physician Assistants, 2012
Practice Setting by Gender

Care Setting	Total	Males		Females	
		Count	Percentage	Count	Percentage
TOTAL, all settings	240	103	(100%)	137	(100%)
Office, incl hosp *	63	25	(24%)	38	(28%)
Office, w/o hosp *	101	27	(26%)	74	(54%)
Hospital-based	63	45	(44%)	18	(13%)
Hospitalist	4	3	(3%)	1	(1%)
Student health ctr	4	1	(1%)	3	(2%)
Business/work site	1	0	(0%)	1	(1%)
Other	4	2	(2%)	2	(1%)

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

* The settings as listed on the survey form were:

Ambulatory care, including associated hospital care
 Ambulatory care, without hospital care
 Office-based specialty care, including hospital care
 Office-based specialty care, without hospital care
 Hospital-based specialty care (e.g., ED, or pathology)
 Inpatient care only (hospitalist)
 Student health center
 Extended care / nursing home
 Other

In this report "Ambulatory" and "Office-based" are combined.

Table 19 -- VT Physician Assistants, 2012
Practice Settings by County

County	Total	Office	Hospital	Other
STATEWIDE TOTAL				
Total	240	164	67	9
Primary Care	98	92	.	6
Specialists	142	72	67	3
Addison County				
Primary Care	2	2	.	.
Specialists	3	2	1	.
Bennington County				
Primary Care	4	4	.	.
Specialists	7	3	4	.
Caledonia County				
Primary Care	1	1	.	.
Specialists	3	2	1	.
Chittenden County				
Primary Care	28	24	.	4
Specialists	67	36	28	3
Essex County				
Primary Care	3	3	.	.
Specialists	0	.	.	.
Franklin County				
Primary Care	13	13	.	.
Specialists	5	2	3	.
Grand Isle County				
Primary Care	1	1	.	.
Specialists	0			
Lamoille County				
Primary Care	0			
Specialists	5	4	1	.
Orange County				
Primary Care	2	2	.	.
Specialists	5	2	3	.
Orleans County				
Primary Care	3	3	.	.
Specialists	1	1	.	.
Rutland County				
Primary Care	9	9	.	.
Specialists	10	9	1	.
Washington County				
Primary Care	15	14	.	1
Specialists	6	4	2	.
Windham County				
Primary Care	6	6	.	.
Specialists	9	3	6	.
Windsor County				
Primary Care	11	10	.	1
Specialists	21	4	17	.

The "Office" column includes ambulatory care.
Each PA is counted once in this table, in their main specialty group, main practice setting, and, independently, in their main county of practice (Note 9).

Table 20 -- VT Physician Assistants, 2012
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	240	35	38	34	31	54%
PRIMARY CARE	98	33	36	32	29	42%
Family Practice	77	34	37	31	30	42%
Internal Medicine	12	30	27	34	31	50%
Ob/Gyn	6	24	.	.	20	33%
Pediatrics	3	25	.	.	.	33%
SPECIALTY CARE	142	37	38	35	36	63%
Anesthesiology	12	40	39	40	.	75%
Emergency Medicine	43	33	34	29	33	40%
Internal Medicine	10	42	48	36	.	70%
Surgery: General	5	34	29	.	.	80%
Surgery: Orthopedic	33	40	42	34	39	79%
Surgery: Other	8	48	46	.	.	100%
Other Specialties	31	35	35	37	28	58%

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).

Table 21 -- VT Physician Assistants, 2012
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	103	37	40	35	35	56%
PRIMARY CARE	27	36	41	38	31	44%
Family Practice	24	35	41	38	30	42%
Internal Medicine	3	37	.	.	37	67%
SPECIALTY CARE	76	38	40	34	38	61%
Anesthesiology	8	43	44	39	.	88%
Emergency Medicine	33	35	36	30	38	42%
Internal Medicine	5	47	46	.	.	60%
Surgery: General	4	32	29	.	.	75%
Surgery: Orthopedic	15	40	45	35	39	73%
Surgery: Other	4	48	.	.	.	100%
Other Specialties	7	31	42	.	.	57%
FEMALES:						
ALL SPECIALTIES	137	34	36	33	27	53%
PRIMARY CARE	71	31	35	29	27	41%
Family Practice	53	33	37	28	30	42%
Internal Medicine	9	28	27	34	25	44%
Ob/Gyn	6	24	.	.	20	33%
Pediatrics	3	25	.	.	.	33%
SPECIALTY CARE	66	36	37	36	26	65%
Anesthesiology	4	36	.	41	.	50%
Emergency Medicine	10	25	29	26	19	30%
Internal Medicine	5	38	.	29	.	80%
Surgery: General	1	.	.	.	.	.
Surgery: Orthopedic	18	39	41	32	.	83%
Surgery: Other	4	48	46	.	.	100%
Other Specialties	24	36	34	44	.	58%

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).

Table 22 -- VT Physician Assistants, 2012
Average Patient Care Hours per Week,
by Age, by County

County	Total PAs	Average Patient Care Hours per Week				% Working Full Time (%)
		All Ages	Age < 45	Age 45-54	Age 55+	
STATEWIDE TOTAL						
Total	240	35	38	34	31	54%
Primary Care	98	33	36	32	29	42%
Specialists	142	37	38	35	36	63%
Addison County						
Primary Care	2	.	.	.	.	.
Specialists	3	24	.	.	.	33%
Bennington County						
Primary Care	4	38	.	.	.	75%
Specialists	7	41	42	.	.	71%
Caledonia County						
Primary Care	1	.	.	.	.	.
Specialists	3	39	.	.	.	67%
Chittenden County						
Primary Care	28	32	35	28	29	46%
Specialists	67	39	41	36	37	76%
Essex County						
Primary Care	3	37	.	.	.	33%
Specialists	0					
Franklin County						
Primary Care	13	35	38	31	.	54%
Specialists	5	40	40	.	.	60%
Grand Isle County						
Primary Care	1	.	.	.	.	.
Specialists	0					
Lamoille County						
Primary Care	0					
Specialists	5	33	35	.	.	60%
Orange County						
Primary Care	2	.	.	.	.	.
Specialists	5	37	.	43	.	60%
Orleans County						
Primary Care	3	40	.	.	.	100%
Specialists	1	.	.	.	.	.
Rutland County						
Primary Care	9	32	34	32	32	22%
Specialists	10	37	38	37	.	60%
Washington County						
Primary Care	15	30	33	31	27	20%
Specialists	6	35	.	.	.	50%
Windham County						
Primary Care	6	28	.	.	24	33%
Specialists	9	27	15	.	35	11%
Windsor County						
Primary Care	11	29	34	.	23	45%
Specialists	21	36	37	32	36	52%

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).
Each PA is counted once, in main specialty group and, independently, in main county of practice.

Table 23 -- VT Physician Assistants, 2012
Practice Availability by Specialty

Specialty	PAs *	Accept New Patients	Participate in Medicaid	Accept New Medicaid Patients	Participate in Medicare	Accept New Medicare Patients
		(%)	(%)	(%)	(%)	(%)
TOTAL	160	93%	95%	83%	98%	89%
PRIMARY CARE	92	88%	98%	78%	98%	82%
Family Practice	72	88%	99%	78%	100%	85%
Internal Medicine	11	78%	90%	60%	80%	50%
Ob/Gyn	6	100%	100%	100%	100%	100%
Pediatrics	3	100%	100%	100%	n.a.	n.a.
SPECIALTY CARE	68	100%	90%	90%	98%	98%
Anesthesiology	3	100%	100%	100%	100%	100%
Internal Medicine	6	100%	100%	100%	100%	100%
Surgery: General	3	100%	100%	100%	100%	100%
Surgery: Orthopedic	29	100%	100%	100%	100%	100%
Surgery: Other	5	100%	100%	100%	100%	100%
Other Specialties	22	100%	70%	70%	95%	95%

* Only office settings are included (see Note 11).

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. Only sites where the PA works in his or her main specialty are included. 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 24 -- VT Physician Assistants, 2012
Practice Availability by County

County	Offices	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)
STATEWIDE TOTAL				
Primary Care	102	89%	82%	85%
Specialists	90	100%	91%	97%
Addison County				
Primary Care	2	50%	50%	50%
Specialists	2	100%	100%	100%
Bennington County				
Primary Care	4	75%	25%	67%
Specialists	4	100%	100%	100%
Caledonia County				
Primary Care	1	0%	0%	0%
Specialists	2	100%	100%	100%
Chittenden County				
Primary Care	25	87%	82%	76%
Specialists	40	100%	88%	97%
Essex County				
Primary Care	6	100%	100%	100%
Specialists	0			
Franklin County				
Primary Care	13	100%	92%	85%
Specialists	6	100%	83%	83%
Grand Isle County				
Primary Care	2	100%	100%	100%
Specialists	0			
Lamoille County				
Primary Care	0			
Specialists	5	100%	80%	100%
Orange County				
Primary Care	4	100%	100%	100%
Specialists	2	100%	100%	100%
Orleans County				
Primary Care	3	100%	67%	100%
Specialists	1	100%	100%	100%
Rutland County				
Primary Care	11	78%	78%	100%
Specialists	13	100%	100%	100%
Washington County				
Primary Care	14	91%	91%	90%
Specialists	7	100%	80%	100%
Windham County				
Primary Care	6	83%	83%	80%
Specialists	3	100%	100%	100%
Windsor County				
Primary Care	11	100%	82%	90%
Specialists	5	100%	100%	100%

Only office settings are included (see Note 11).
Each site a PA practices in is counted separately (see Note 10).
Emergency Medicine is excluded from this table.

Table 25 -- VT Physician Assistants, 2012
 Plan to Retire, Leave, or Reduce Hours Within 12 Months

Specialty	Total PAs	Plan to Retire or Reduce Hours
TOTAL	240	9 (4%)
PRIMARY CARE	98	5 (5%)
Family Practice	77	4 (5%)
Internal Medicine	12	0 (0%)
Ob/Gyn	6	1 (17%)
Pediatrics	3	0 (0%)
SPECIALTY CARE	142	4 (3%)
Anesthesiology	12	0 (0%)
Emergency Medicine	43	2 (5%)
Internal Medicine	10	0 (0%)
Surgery: General	5	0 (0%)
Surgery: Orthopedic	33	0 (0%)
Surgery: Other	8	0 (0%)
Other Specialties	31	2 (6%)

Vermont Physician Assistants
by Health Related Geographical Regions

Table 26 -- VT Physician Assistants, 2012
 Numbers of PAs, Full Time Equivalent (FTEs), and
 Total Weekly Patient Care Hours, by Hospital Service Area

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		240 199.9 8435	100 76.6 3112	155 123.3 5323
Barre		22 16.0 647	15 10.6 425	9 5.3 223
Bennington		13 10.2 434	4 3.6 152	9 6.6 282
Brattleboro		13 8.7 370	5 3.2 127	8 5.5 242
Burlington		95 81.8 3511	29 21.4 876	70 60.4 2635
Middlebury		8 3.7 153	2 1.7 71	7 2.0 82
Morrisville		6 3.7 166	. . . .	6 3.7 166
Newport		6 4.4 177	5 4.1 164	1 .3 13
Randolph		7 5.2 216	2 1.3 52	5 3.9 164
Rutland		24 16.1 688	10 6.7 274	16 9.5 414
Springfield		26 17.4 723	7 4.2 169	20 13.2 554
St. Albans		22 16.9 708	14 12.0 484	10 4.9 225
St. Johnsbury		6 5.5 219	3 2.5 101	3 3.0 118
White River Jct		19 10.2 422	6 5.3 218	13 5.0 204

In this table PAs may be counted more than once (Note 4).
 Hospital Service Areas defined using 1997-2001 inpatient data
 for immediate care conditions discharges - see Appendices A and E.

Table 27 -- VT Physician Assistants, 2012
 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		100	78	12	8	4
		76.6	62.5	8.6	3.6	1.9
		3112	2533	356	148	75
Barre		15	11	1	2	1
		10.6	8.9	.6	.6	.6
		425	354	22	25	24
Bennington		4	3	.	.	1
		3.6	2.6	.	.	1.0
		152	112	.	.	40
Brattleboro		5	3	2	.	.
		3.2	1.9	1.3	.	.
		127	77	50	.	.
Burlington		29	22	3	4	1
		21.4	16.3	3.0	1.9	.3
		876	658	130	78	10
Middlebury		2	2	.	.	.
		1.7	1.7	.	.	.
		71	71	.	.	.
Morrisville	
	
	
Newport		5	5	.	.	.
		4.1	4.1	.	.	.
		164	164	.	.	.
Randolph		2	1	1	1	.
		1.3	.8	.4	.1	.
		52	32	15	5	.
Rutland		10	8	1	1	.
		6.7	6.3	.4	<.05	.
		274	258	15	1	.
Springfield		7	3	3	.	1
		4.2	2.1	2.1	.	<.05
		169	84	84	.	1
St. Albans		14	13	.	1	.
		12.0	11.0	.	1.0	.
		484	444	.	40	.
St. Johnsbury		3	3	.	.	.
		2.5	2.5	.	.	.
		101	101	.	.	.
White River Jct		6	5	1	.	.
		5.3	4.3	1.0	.	.
		218	178	40	.	.

In this table PAs may be counted more than once (Note 4).
 Hospital Service Areas defined using 1997-2001 inpatient data
 for immediate care conditions discharges - see Appendices A and E.

Table 28 -- VT Physician Assistants, 2012
 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	ANESTH- ESIOLOG.	EMERGENCY MEDICINE	INTERNAL MEDICINE	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	OTHER
STATEWIDE TOTAL	155 123.3 5323	13 11.3 486	57 34.2 1439	10 7.9 385	6 3.3 131	36 31.6 1346	9 8.0 384	40 27.0 1154
Barre	9 5.3 223	. . . .	5 2.3 92	. . . .	1 .1 3	2 1.5 68	2 <.05 2	2 1.5 58
Bennington	9 6.6 282	5 4.9 212	1 .3 10	. . . .	. . . .	1 1.0 40	. . . .	2 .5 20
Brattleboro	8 5.5 242	. . . .	5 2.8 135	1 .9 36	. . . .	1 .8 30	. . . .	2 1.0 42
Burlington	70 60.4 2635	8 6.4 274	13 8.8 354	4 3.5 195	1 .2 8	15 13.5 556	8 8.0 382	24 20.1 866
Middlebury	7 2.0 82	. . . .	5 1.0 40	. . . .	. . . .	1 1.0 40	. . . .	1 <.05 2
Morrisville	6 3.7 166	. . . .	1 .5 20	. . . .	. . . .	3 3.0 140	. . . .	2 .2 6
Newport	1 .3 13	. . . .	. . . .	. . . .	. . . .	1 .3 13	.. ..	.. ..
Randolph	5 3.9 164	. . . .	. . . .	3 2.3 99	1 1.0 40	. . . .	. . . .	1 .6 25
Rutland	16 9.5 414	. . . .	5 2.0 86	2 1.2 54	. . . .	4 3.9 166	. . . .	7 2.5 108
Springfield	20 13.2 554	. . . .	15 9.4 396	. . . .	1 1.0 40	3 2.7 115	. . . .	1 .1 4
St. Albans	10 4.9 225	. . . .	4 2.5 109	. . . .	. . . .	2 2.0 100	. . . .	4 .4 16
St. Johnsbury	3 3.0 118	. . . .	. . . .	. . . .	2 1.0 40	3 2.0 78	.. ..	.. ..
White River Jct	13 5.0 204	. . . .	12 4.8 195	. . . .	. . . .	. . . .	. . . .	1 .2 9

Hospital Service Areas defined using 1997-2001 inpatient data for immediate care conditions discharges - see Appendices A and E. In this table PAs may be counted more than once (see Note 4). Anesthesiology Assistants included, unlike previous reports.

Table 29 -- VT Physician Assistants, 2012
 Primary Care Provider FTE to Population Ratios
 by Hospital Service Area

HSA	FTEs	2011 Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	76.6	626,431	12.2	8,176
Barre	10.6	67,507	15.7	6,355
Bennington	3.6	40,010	9.0	11,114
Brattleboro	3.2	32,569	9.8	10,224
Burlington	21.4	176,593	12.1	8,256
Middlebury	1.7	28,348	6.0	16,599
Morrisville	.0	26,189	.0	.
Newport	4.1	28,061	14.6	6,844
Randolph	1.3	14,580	8.9	11,215
Rutland	6.7	62,007	10.8	9,272
Springfield	4.2	28,614	14.8	6,775
St. Albans	12.0	44,961	26.8	3,738
St. Johnsbury	2.5	28,465	8.9	11,273
White River Jct	5.3	48,527	10.8	9,243

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 2011
 (see Note 7).

For a map of the service areas, see Appendix E.

Table 30 -- VT Physician Assistants, 2012
 Numbers of PAs, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours,
 by Area Health Education Center region

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
		-----	-----	-----
STATEWIDE TOTAL		240	100	155
		199.9	76.6	123.3
		8435	3112	5323
Champlain Valley		120	45	83
		102.5	35.1	67.3
		4372	1430	2941
Northeast VT		46	24	24
		35.3	19.0	16.2
		1454	770	684
Southern VT		82	32	54
		62.2	22.4	39.7
		2609	912	1697

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

The Area Health Education Centers serve regions that are groups of counties - see Appendix A.

Table 31 -- VT Physician Assistants, 2012
 Numbers of Primary Care Providers, Full Time Equivalents
 (FTEs), and Total Weekly Patient Care Hours,
 by Area Health Education Center region

Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	100 76.6 3112	78 62.5 2533	12 8.6 356	8 3.6 148	4 1.9 75
Champlain Valley	45 35.1 1430	37 29.0 1172	3 3.0 130	5 2.9 118	1 .3 10
Northeast VT	24 19.0 770	20 17.3 699	1 .6 22	2 .6 25	1 .6 24
Southern VT	32 22.4 912	21 16.2 662	8 5.1 204	2 .1 6	2 1.0 41

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

The Area Health Education Centers serve regions that are groups of counties - see Appendix A.

Table 32 -- VT Physician Assistants, 2012
 Numbers of Specialty Care Providers, Full Time Equivalents
 (FTEs), and Total Weekly Patient Care Hours,
 by Area Health Education Center region

Count FTEs Hours	SPECIALTY CARE TOTAL	ANESTH- ESIOLOG.	EMERGENCY MEDICINE	INTERNAL MEDICINE	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	OTHER
STATEWIDE TOTAL	155	13	57	10	6	36	9	40
	123.3	11.3	34.2	7.9	3.3	31.6	8.0	27.0
	5323	486	1439	385	131	1346	384	1154
Champlain Valley	83	8	21	4	1	18	8	27
	67.3	6.4	12.2	3.5	.2	16.5	8.0	20.5
	2941	274	504	195	8	696	382	883
Northeast VT	24	.	6	3	4	9	2	5
	16.2	.	2.8	2.3	2.1	6.8	<.05	2.2
	684	.	112	99	83	299	2	89
Southern VT	54	5	30	3	1	9	.	11
	39.7	4.9	19.1	2.1	1.0	8.3	.	4.3
	1697	212	823	90	40	351	.	182

In this table PAs may be counted more than once (see Note 4).
 Anesthesiology Assistants included, unlike previous reports.

The Area Health Education Centers serve regions that are
 groups of counties - see Appendix A.

Table 33 -- VT Physician Assistants, 2012
 Primary Care Provider FTE to Population Ratios
 by Area Health Education Center region

AHEC region	FTEs	2011 Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	76.6	626,431	12.2	8,176
Champlain Valley	35.1	249,277	14.1	7,097
Northeast VT	19.1	177,963	10.7	9,343
Southern VT	22.5	199,191	11.3	8,874

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 2011
 (see note 7).

The Area Health Education Centers serve regions that are
 groups of counties - see Appendix A.

Table 34 -- VT Physician Assistants, 2012
 Numbers of PAs, Full Time Equivalents (FTEs), and
 Total Weekly Patient Care Hours, by Local Health District

	Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL		240 199.9 8435	100 76.6 3112	155 123.3 5323
Barre		22 16.0 647	15 10.6 425	9 5.3 223
Bennington		12 10.0 424	4 3.6 152	8 6.4 272
Brattleboro		14 8.9 380	5 3.2 127	9 5.7 253
Burlington		95 81.8 3511	29 21.4 876	70 60.4 2635
Middlebury		8 3.7 153	2 1.7 71	7 2.0 82
Morrisville		6 3.7 166	. . . .	6 3.7 166
Newport		6 4.4 177	5 4.1 164	1 .3 13
Rutland		24 16.1 688	10 6.7 274	16 9.5 414
Springfield		29 23.1 958	8 5.2 209	22 17.9 749
St. Albans		23 16.9 708	15 12.0 484	10 4.9 225
St. Johnsbury		7 6.0 243	4 3.0 125	3 3.0 118
Wht Rvr Jct		13 9.2 379	7 5.1 206	6 4.2 173

In this table PAs may be counted more than once (Note 4).
 For a map of the districts, see Appendix F.

Table 35 -- VT Physician Assistants, 2012
 Numbers of Primary Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by Local Health District

	Count FTEs Hours	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	100 76.6 3112	78 62.5 2533	12 8.6 356	8 3.6 148	4 1.9 75	
Barre	15 10.6 425	11 8.9 354	1 .6 22	2 .6 25	1 .6 24	
Bennington	4 3.6 152	3 2.6 112	. . . . .	. . . . .	1 1.0 40	
Brattleboro	5 3.2 127	3 1.9 77	2 1.3 50	. . . . .	. . . . .
Burlington	29 21.4 876	21 16.3 658	3 3.0 130	4 1.9 78	1 .3 10	
Middlebury	2 1.7 71	2 1.7 71	. . . . .	. . . . .	. . . . .
Morrisville	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Newport	5 4.1 164	5 4.1 164	. . . . .	. . . . .	. . . . .
Rutland	10 6.7 274	8 6.3 258	1 .4 15	1 <.05 1	. . . . .
Springfield	8 5.2 209	4 3.1 124	3 2.1 84	. . . . .	1 <.05 1	
St. Albans	15 12.0 484	14 11.0 444	. . . . .	1 1.0 40	. . . . .
St. Johnsbury	4 3.0 125	4 3.0 125	. . . . .	. . . . .	. . . . .
Wht Rvr Jct	7 5.1 206	5 3.6 146	2 1.4 55	1 .1 5	. . . . .

In this table PAs may be counted more than once (Note 4).
 For a map of the districts, see Appendix F.

Table 36 -- VT Physician Assistants, 2012
 Numbers of Specialty Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by Local Health District

Count FTEs Hours	SPECIALTY CARE TOTAL	ANESTH- ESIOLOG.	EMERGENCY MEDICINE	INTERNAL MEDICINE	GENERAL SURGERY	ORTHOP. SURGERY	OTHER SURGERY	OTHER
STATEWIDE TOTAL	155 123.3 5323	13 11.3 486	57 34.2 1439	10 7.9 385	6 3.3 131	36 31.6 1346	9 8.0 384	40 27.0 1154
Barre	9 5.3 223	. . . . .	5 2.3 92	. . . . .	1 .1 3	2 1.5 68	2 <.05 2	2 1.5 58
Bennington	8 6.4 272	5 4.9 212	. . . . .	. . . . .	. . . . .	1 1.0 40	. . . . .	2 .5 20
Brattleboro	9 5.7 253	. . . . .	6 3.1 145	1 .9 36	. . . . .	1 .8 30	. . . . .	2 1.0 42
Burlington	70 60.4 2635	8 6.4 274	13 8.8 354	4 3.5 195	1 .2 8	15 13.5 556	8 8.0 382	24 20.1 866
Middlebury	7 2.0 82	. . . . .	5 1.0 40	. . . . .	. . . . .	1 1.0 40	. . . . .	1 <.05 2
Morrisville	6 3.7 166	. . . . .	1 .5 20	. . . . .	. . . . .	3 3.0 140	. . . . .	2 .2 6
Newport	1 .3 13	. . . . .	. . . . .	. . . . .	. . . . .	1 .3 13	.. .. .	.. .. .
Rutland	16 9.5 414	. . . . .	5 2.0 86	2 1.2 54	. . . . .	4 3.9 166	. . . . .	7 2.5 108
Springfield	22 17.9 749	. . . . .	18 14.1 591	. . . . .	1 1.0 40	3 2.7 115	. . . . .	1 .1 4
St. Albans	10 4.9 225	. . . . .	4 2.5 109	. . . . .	. . . . .	2 2.0 100	. . . . .	4 .4 16
St. Johnsbury	3 3.0 118	. . . . .	. . . . .	. . . . .	2 1.0 40	3 2.0 78	.. .. .	.. .. .
Wht Rvr Jct	6 4.2 173	. . . . .	1 <.05 <.5	3 2.3 99	1 1.0 40	. . . . .	. . . . .	1 .9 34

In this table PAs may be counted more than once (see Note 4).
 For a map of the districts, see Appendix F.
 Anesthesiology Assistants included, unlike previous reports.

Table 37 -- VT Physician Assistants, 2012
 Primary Care Provider FTE to Population Ratios
 by Local Health District

District	FTEs	2011 Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	76.6	626,431	12.2	8,176
Barre	10.6	66,779	15.9	6,287
Bennington	3.6	36,970	9.7	10,269
Brattleboro	3.2	36,162	8.8	11,352
Burlington	21.4	157,461	13.6	7,362
Middlebury	1.7	36,609	4.7	21,436
Morrisville	.0	30,791	.0	.
Newport	4.1	28,061	14.6	6,844
Rutland	6.7	61,452	10.9	9,189
Springfield	5.2	33,997	15.4	6,508
St. Albans	12.0	55,044	21.9	4,576
St. Johnsbury	3.0	34,784	8.7	11,499
Wht Rvr Jct	5.1	48,321	10.5	9,569

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 2011
 (see note 7).

For a map of the districts, see Appendix F.

Table 38 -- VT Physician Assistants, 2012
 Numbers of Primary Care Physician Assistants, and
 Full Time Equivalents (FTEs), by Rational Service Area

Count of PAs providing any primary care within each area:

	PRIMARY CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	100	78	12	8	4
Arlington	.	.	.	.	.
Bennington	4	3	.	.	1
Bradford	1	1	.	.	.
Brandon	.	.	.	.	.
Brattleboro	4	2	2	.	.
Brighton	2	2	.	.	.
Bristol	.	.	.	.	.
Burlington	24	17	2	4	1
Cambridge	.	.	.	.	.
Castleton	2	2	.	.	.
Chelsea / Corinth	1	1	.	.	.
Enosburg	2	2	.	.	.
Essex/Williston	5	4	1	.	.
Hardwick	.	.	.	.	.
Hartford	2	1	1	.	.
Londonderry	.	.	.	.	.
Ludlow	2	2	.	.	.
Manchester	.	.	.	.	.
Middlebury	.	.	.	.	.
Milton / South Hero	4	4	.	.	.
Montpelier/Barre/Berlin	15	11	1	2	1
Morristown	.	.	.	.	.
Newport	3	3	.	.	.
Pawlet	1	1	.	.	.
Randolph	2	1	1	1	.
Rockingham	1	1	.	.	.
Rutland	8	6	1	1	.
Springfield	4	.	3	.	1
St Albans	9	8	.	1	.
St Johnsbury	3	3	.	.	.
Stowe	.	.	.	.	.
Townshend	1	1	.	.	.
Vergennes	2	2	.	.	.
Waitsfield	.	.	.	.	.
Waterbury	.	.	.	.	.
Wilmington	.	.	.	.	.
Windsor	1	1	.	.	.
Woodstock	2	2	.	.	.

Note: On this page PAs may be counted in more than one area (Note 4).

(continued on next page)

Table 38 (continued) -- VT Physician Assistants, 2012
 Numbers of Primary Care Physician Assistants, and
 Full Time Equivalents (FTEs), by Rational Service Area

Sums of primary care FTEs within each area:

	PRIMARY	FTEs by Primary Care Type			
	CARE TOTAL	FAMILY	INTERNAL	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	76.6	62.5	8.6	3.6	1.9
Arlington	.	.	.	.	.
Bennington	3.6	2.6	.	.	1.0
Bradford	1.0	1.0	.	.	.
Brandon	.	.	.	.	.
Brattleboro	2.4	1.1	1.3	.	.
Brighton	1.1	1.1	.	.	.
Bristol	.	.	.	.	.
Burlington	16.8	12.7	2.0	1.9	.3
Cambridge	.	.	.	.	.
Castleton	.9	.9	.	.	.
Chelsea / Corinth	.8	.8	.	.	.
Enosburg	1.7	1.7	.	.	.
Essex/Williston	4.6	3.6	1.0	.	.
Hardwick	.	.	.	.	.
Hartford	1.3	.3	1.0	.	.
Londonderry	.	.	.	.	.
Ludlow	1.1	1.1	.	.	.
Manchester	.	.	.	.	.
Middlebury	.	.	.	.	.
Milton / South Hero	2.3	2.3	.	.	.
Montpelier/Barre/Berlin	10.6	8.9	.6	.6	.6
Morristown	.	.	.	.	.
Newport	3.0	3.0	.	.	.
Pawlet	.9	.9	.	.	.
Randolph	.6	.1	.4	.1	.
Rockingham	1.0	1.0	.	.	.
Rutland	4.9	4.5	.4	<.05	.
Springfield	2.1	.	2.1	.	<.05
St Albans	8.1	7.1	.	1.0	.
St Johnsbury	2.5	2.5	.	.	.
Stowe	.	.	.	.	.
Townshend	.8	.8	.	.	.
Vergennes	1.7	1.7	.	.	.
Waitsfield	.	.	.	.	.
Waterbury	.	.	.	.	.
Wilmington	.	.	.	.	.
Windsor	1.0	1.0	.	.	.
Woodstock	2.0	2.0	.	.	.

For a map of the Rational Service Areas see Appendix G.

Vermont Physician Assistants
Comparisons Between 2002, 2010 and 2012

Table 39 -- VT PAs, 2010 and 2012
 Changes in Number of PAs, Patient Care Hours
 and Specialties, between 2010 and 2012

	2010	2012	Change	
TOTAL *	202	240		
Main specialty:				
Primary Care Total	83	98	+15	+18%
Family Practice	60	77	+17	+28%
Internal Medicine	11	12	+1	+9%
Ob/Gyn	6	6	0	.
Pediatrics	6	3	-3	-50%
Specialty Care Total	119	142		
Anesthesiology *		12		
Emergency Medicine	40	43	+3	+8%
Internal Medicine	11	10	-1	-9%
Surgery: General	7	5	-2	-29%
Surgery: Orthopedic	25	33	+8	+32%
Surgery: Other	8	8	0	.
Other Specialties	28	31	+3	+11%
Age groups:				
younger than 35	36	51	+15	+42%
35 - 44	66	69	+3	+5%
45 - 54	53	64	+11	+21%
55 - 64	46	50	+4	+9%
65 and older	1	6	+5	+500%
Gender:				
Male	80	103	+23	+29%
Female	122	137	+15	+12%
Patient care hours:				
40 or more hours/week	119	130	+11	+9%
30 to under 40 hours/week	41	55	+14	+34%
less than 30 hours/week	42	55	+13	+31%

* Anesthesiology Assistants included in 2012, unlike previous reports.

Table 40 -- VT PAs, 2010 and 2012
Full Time Equivalentents (FTEs) by County

PRIMARY CARE:	2010	2012	Change	
	<hr/>	<hr/>	<hr/>	
STATEWIDE TOTAL	67.0	76.6	+9.6	
Addison County	.9	1.7	+ .8	
Bennington County	2.0	3.6	+1.6	
Caledonia County	1.2	.8	-.4	
Chittenden County	13.6	21.4	+7.8	
Essex County	2.4	2.9	+ .5	
Franklin County	8.0	11.1	+3.1	
Grand Isle County	1.0	1.0	.	
Lamoille County	.	.	.	
Orange County	3.8	1.8	-2.0	
Orleans County	4.0	3.0	-1.0	
Rutland County	8.4	6.7	-1.7	
Washington County	10.4	10.6	+ .2	
Windham County	4.8	4.2	-.6	
Windsor County	6.6	8.0	+1.4	
SPECIALTY CARE:	2010	2012	Change	Excluding Anesthes.
	<hr/>	<hr/>	<hr/>	<hr/>
STATEWIDE TOTAL	105.7	123.3	+17.6	+6.3
Addison County	3.2	2.0	-1.2	-1.2
Bennington County	3.8	6.4	+2.6	-2.3
Caledonia County	2.0	3.0	+1.0	+1.0
Chittenden County	48.5	60.4	+11.9	+5.5
Essex County	.	.	.	.
Franklin County	4.8	4.9	+ .1	+ .1
Grand Isle County	.	.	.	.
Lamoille County	3.8	3.7	-.1	-.1
Orange County	4.4	3.9	-.5	-.5
Orleans County	3.0	.3	-2.7	-2.7
Rutland County	9.5	9.5	.	.
Washington County	5.2	5.3	+ .1	+ .1
Windham County	3.4	5.8	+2.4	+2.4
Windsor County	14.1	18.0	+3.9	+3.9

Anesthesiology Assistants included in 2012 but not in 2010.
In 2012 anesthesiology FTEs were 4.9 in Bennington County
and 6.4 in Chittenden County.

Table 41 -- VT PAs, 2002 and 2012
 Changes in Number of PAs, Patient Care Hours
 and Specialties, between 2002 and 2012

	2002	2012	Change	
TOTAL	130	240	+110	+85%
Main specialty:				
Primary Care Total	69	98	+29	+42%
Family Practice	53	77	+24	+45%
Internal Medicine	7	12	+5	+71%
Ob/Gyn	8	6	-2	-25%
Pediatrics	1	3	+2	+200%
Specialty Care Total	61	142	+81	+133%
Anesthesiology	3	12	+9	+300%
Emergency Medicine	33	43	+10	+30%
Internal Medicine	1	10	+9	+900%
Surgery: General	1	5	+4	+400%
Surgery: Orthopedic	8	33	+25	+313%
Surgery: Other	3	8	+5	+167%
Other Specialties	12	31	+19	+158%
Age groups:				
younger than 35	24	51	+27	+113%
35 - 44	36	69	+33	+92%
45 - 54	59	64	+5	+8%
55 - 64	10	50	+40	+400%
65 and older	1	6	+5	+500%
Gender:				
Male	53	103	+50	+94%
Female	77	137	+60	+78%
Patient care hours:				
40 or more hours/week	65	130	+65	+100%
30 to under 40 hours/week	35	55	+20	+57%
less than 30 hours/week	30	55	+25	+83%

Table 42 -- VT PAs, 2002 and 2012
Full Time Equivalents (FTEs) by County

PRIMARY CARE:	2002	2012	Change
	<hr/>	<hr/>	<hr/>
STATEWIDE TOTAL	54.3	76.6	+22.3
Addison County	2.6	1.7	-.9
Bennington County	3.3	3.6	+.3
Caledonia County	.8	.8	.
Chittenden County	17.2	21.4	+4.2
Essex County	1.0	2.9	+1.9
Franklin County	2.0	11.1	+9.1
Grand Isle County	.	1.0	+1.0
Lamoille County	.2	.	-.2
Orange County	1.4	1.8	+.4
Orleans County	2.0	3.0	+1.0
Rutland County	6.0	6.7	+.7
Washington County	8.0	10.6	+2.6
Windham County	3.2	4.2	+1.0
Windsor County	6.6	8.0	+1.4
SPECIALTY CARE:	2002	2012	Change
	<hr/>	<hr/>	<hr/>
STATEWIDE TOTAL	54.8	123.3	+68.5
Addison County	.1	2.0	+1.9
Bennington County	5.7	6.4	+.7
Caledonia County	1.0	3.0	+2.0
Chittenden County	21.5	60.4	+38.9
Essex County	.	.	.
Franklin County	2.7	4.9	+2.2
Grand Isle County	.	.	.
Lamoille County	.5	3.7	+3.2
Orange County	.8	3.9	+3.1
Orleans County	.	.3	+.3
Rutland County	4.7	9.5	+4.8
Washington County	7.1	5.3	-1.8
Windham County	2.5	5.8	+3.3
Windsor County	8.3	18.0	+9.7

Appendices

Appendix A. General Notes and Terms

Definition of Active Physician Assistant

A physician assistant (PA) who was relicensed for the period 2012-2013 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. Unlike previous reports, this one includes anesthesiology assistants (AA), despite being considered a separate license type by the Vermont Board of Medical Practice.

Physician assistants not represented in these tables

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

Specialties

Physician assistants reported their specialties using a predefined list. See Table 15 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

- Anesthesiology
- 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.
- Other Specialties includes all specialties not listed above, including Dermatology and Urology.

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 HSAs see Appendix E.

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.

Rational Service Areas

The Rational Service Areas (RSAs) are defined as groups of towns whose residents mainly receive their primary care within the area. Since previous reports, the Vermont RSAs have been adjusted to include all towns, even towns from which most residents receive primary care outside of the state. For a map of the RSAs see Appendix G.

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 as reported by the PAs during late 2011 or early 2012. Ages in earlier years, referred to in some tables, are as of those earlier times.

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 Equivalent (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 assistants 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**

Population estimates are for July 1, 2011, as released by the Census Bureau. At this time the 2012 census is not yet available.

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 questions whether they accept new patients (“availability”) 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.

Emergency Medicine is excluded regardless of setting. The following specialties are excluded from the “accept Medicare patients” statistic (both numerator and denominator): all pediatric specialties (including adolescent medicine), maternal & fetal medicine, reproductive endocrinology, and child and adolescent psychiatry.

11. **Practice settings included**

Similar to the reports from the 2006, 2008 and 2010 surveys, only office-based settings were counted for this purpose. This includes ambulatory care and office-based specialties. (In the 2004 survey reports, all settings were included.)

12. **Geographical Regions - States were grouped into the following regions:**

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

Mid Atlantic: NY, NJ, PA

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

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

West: MT, WY, CO, NM, ID, UT, AZ, NV, WA, OR, CA, AK, HI

(notes 13 through 21 skipped intentionally)

22. **Patient Care Hours**

"Full Time" is defined 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, or do other types of work besides direct patient care.



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Appendix C: Census of Physician Assistants - 2012

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

INSTRUCTIONS

Please fill in checkbubbles completely.
Please print legibly using a dark blue or black pen and UPPERCASE letters.

- Scans well
- Does not scan well

Vermont License Number

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

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

First Name

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

Middle Name

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

Last Name

Age:

--	--

Gender:

Male Female

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

--	--

 Total no. of physicians

3. Please enter the two letter code for the state in which you got your training as a PA: (Use CC for Canada, XX for other foreign countries.)

--	--

 State

4. In what year did you first start working as a PA?

--	--	--	--

 Year

5. Do you plan to retire, reduce your patient care hours or leave your **Vermont** practice, within the next 12 months?

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

SITE 1

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

 --- Vermont town name

SITE 2

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

SITE 3

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

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

CONTINUE ON NEXT PAGE

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Census of Physician Assistants - 2012

(Continued from previous page)

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

Please re-enter your License Number for scanning purposes

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

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.

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

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

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

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

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

HOURS per week in Primary Specialty:

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

Secondary Specialty, if any:

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

Hours per week in Secondary Specialty:

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

Tertiary Specialty, if any:

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

Hours per week in Tertiary Specialty:

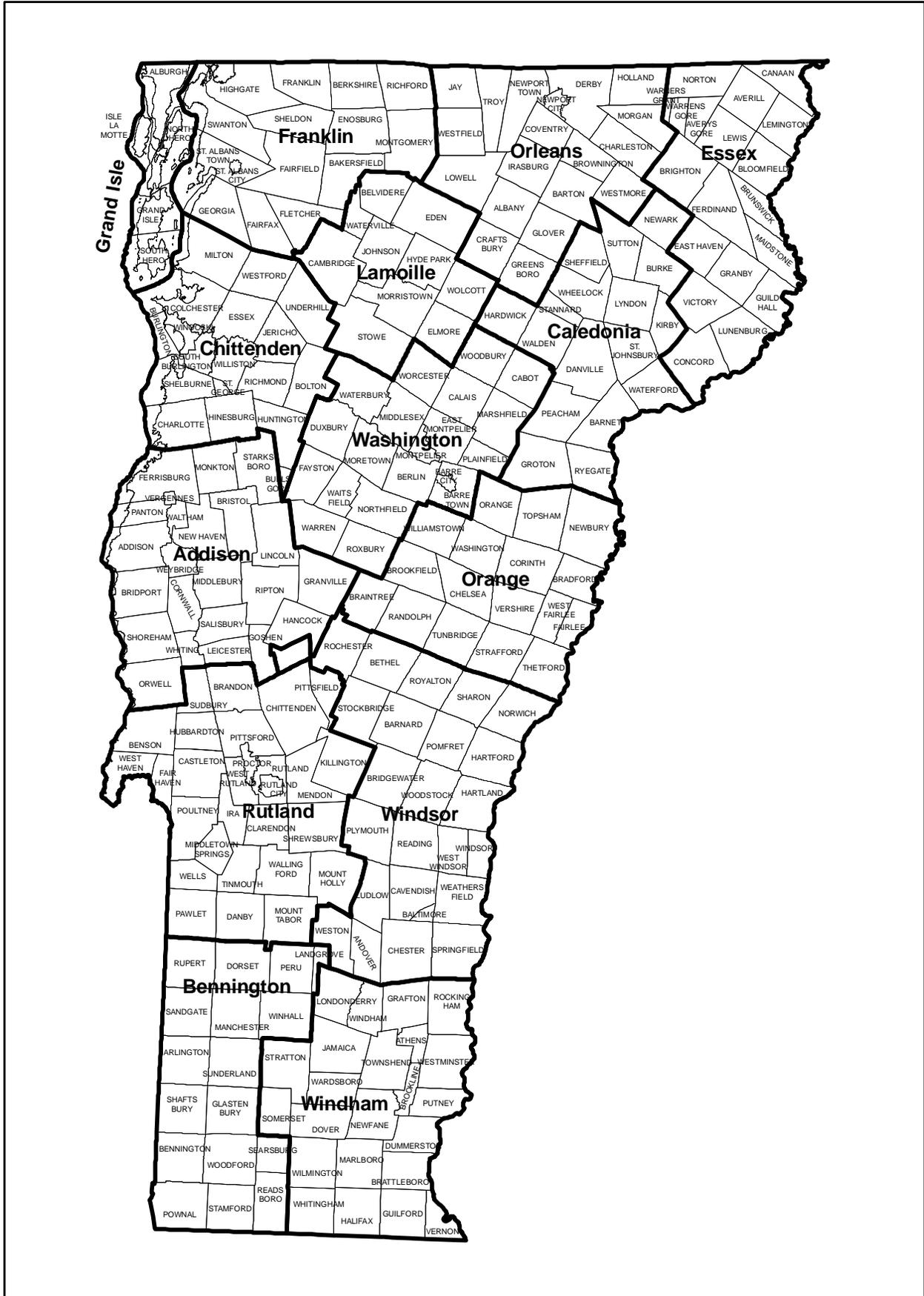
SITE 1	SITE 2	SITE 3
<input type="text"/>	<input type="text"/>	<input type="text"/>

9. Please mark each box that applies:

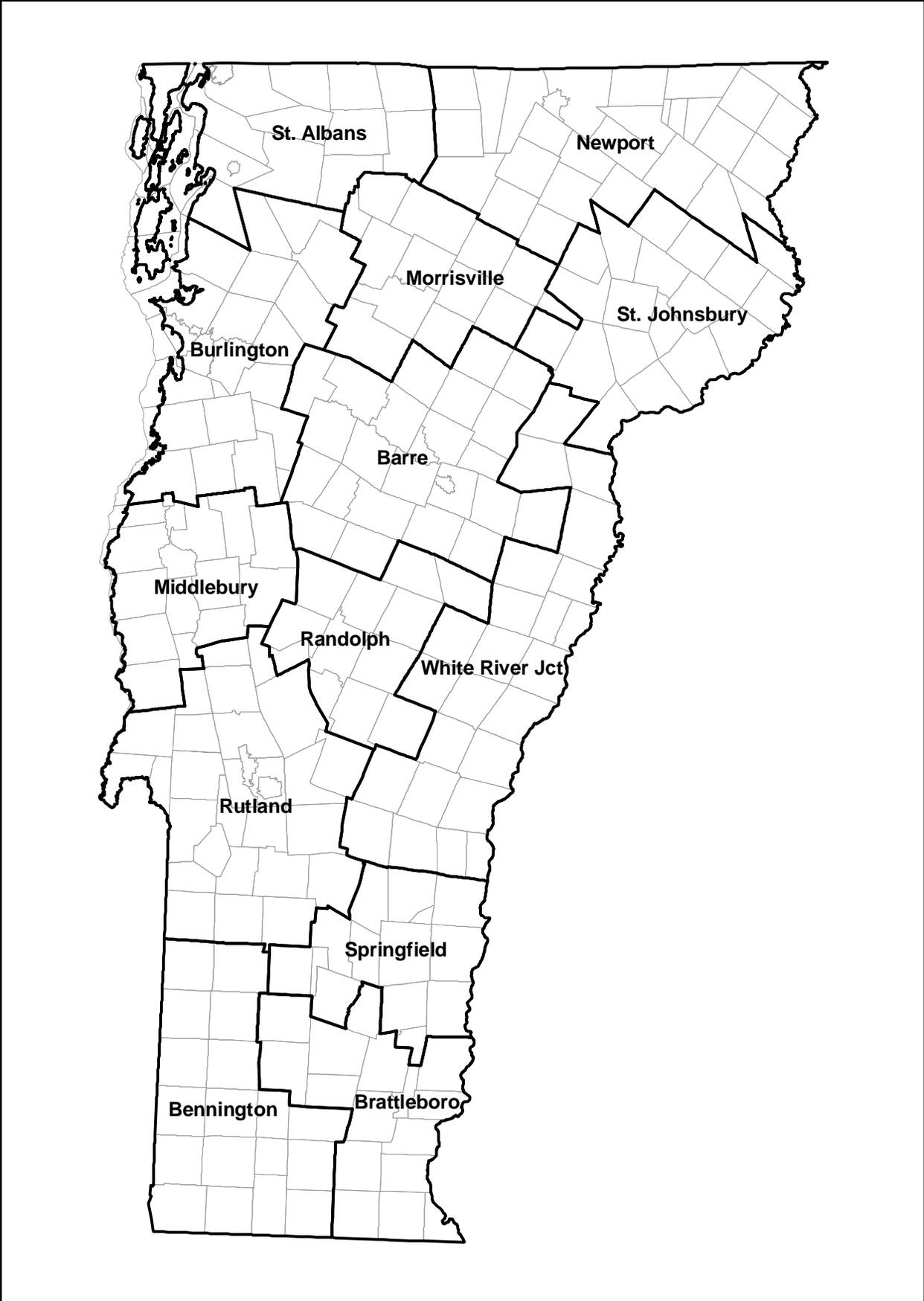
	SITE 1		SITE 2		SITE 3	
	yes	no	yes	no	yes	no
I will accept new patients here	<input type="radio"/>					
I participate in Medicaid here	<input type="radio"/>					
I will accept new Medicaid patients here	<input type="radio"/>					
I participate in Medicare here	<input type="radio"/>					
I will accept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



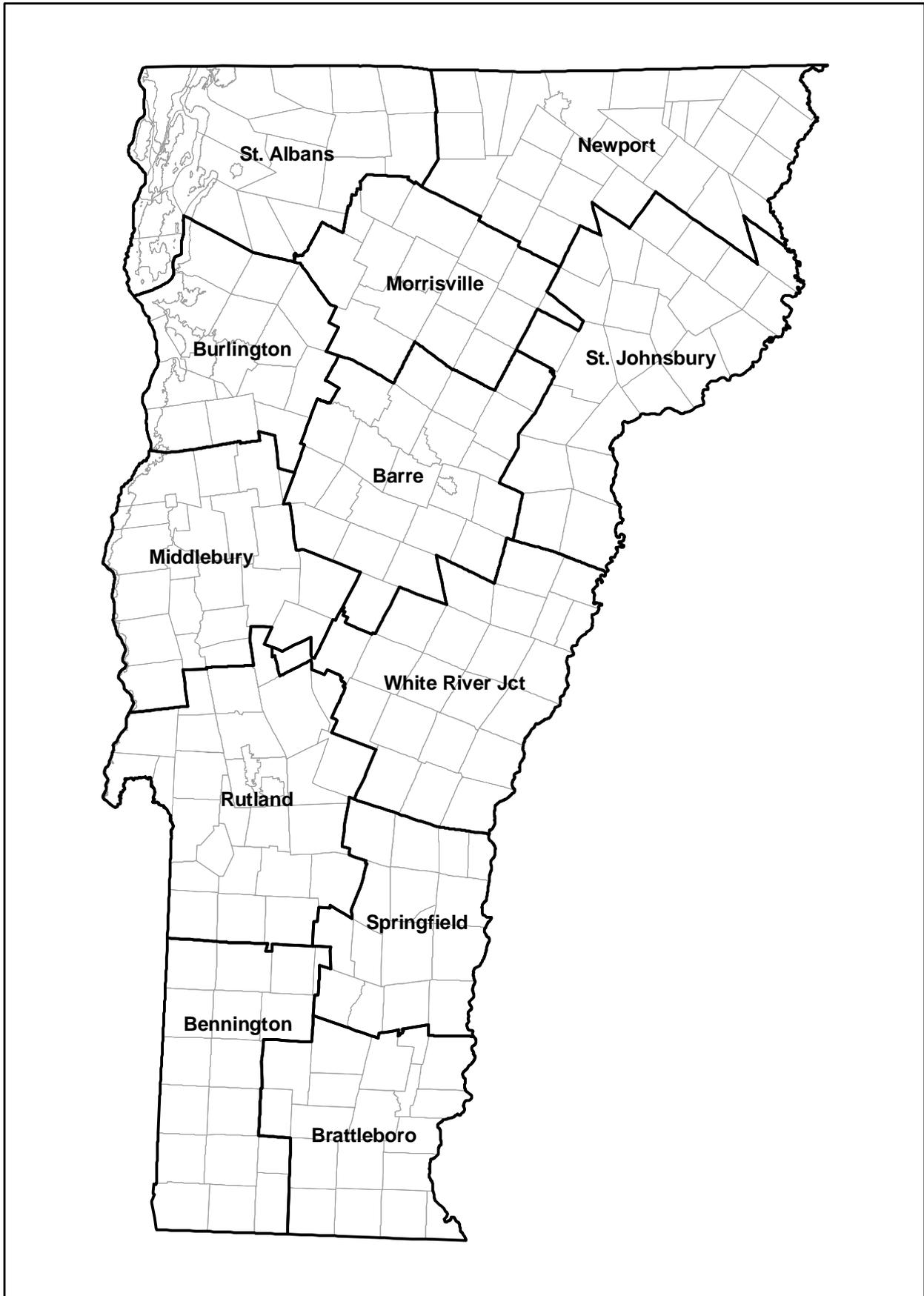
Appendix D: Vermont Counties and Towns



Appendix E: Hospital Service Areas



Appendix F: Local Health Districts



Appendix G: Rational Service Areas

