

Vermont Department of Health

**ADVANCED PRACTICE
REGISTERED NURSES**

1998 Survey

Statistical Report

ADVANCED PRACTICE REGISTERED NURSES

1998 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

We wish to express our appreciation to all the Advanced Practice Registered Nurses 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 Advanced Practice Registered Nurses practicing in Vermont as of the Fall of 1998; these data can be used as the basis for policy analysis, shortage area designations, and recruitment and retention activities.

This is the first such survey of APRNs. Information on APRNs who practice in Vermont will be updated every two years. Results from the 2000 and 2002 surveys are also currently available. Similar data are collected from some additional health professionals, including physicians and physician assistants. Results from some of these surveys are available on the Department of Health web site, <http://www.healthyvermonters.info> – look under “publications”.

Data Collection: In October of 1998 a survey was mailed to all actively licensed APRNs. A copy of this survey is included in the Appendix. The surveys that were returned were compared against the original mailing list. Follow-up mailings and phone calls were then made to those APRNs 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. APRNs were relicensed as of March 30, 1999. The names of those who did not respond to the survey were compared to those who relicensed. Those individuals who did not renew their license were dropped from our list and were not contacted further.

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 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 by calling or writing the Department of Health, Public Health Statistics, P.O. Box 70, Burlington, VT 05402, tel. (802) 863-7300 or (800) 869-2871.

Summary

- This report includes data reported by 299 APRNs providing patient care in Vermont.
- 67% of APRNs are Nurse Practitioners, the rest are evenly divided between Certified Nurse Midwives, Clinical Nurse Specialists, and Certified RN Anesthetists.
- 187 (63%) of APRNs are mainly involved in primary care:
 - 46 Adult practice
 - 50 Family practice
 - 3 Gerontology
 - 24 Midwifery
 - 45 Obstetrics and Gynecology
 - 19 Pediatric Primary Care
- 112 (37%) of APRNs are mainly involved in specialty care:
 - 6 Acute Care
 - 37 Anesthesiology
 - 3 Medical/Surgical
 - 37 Mental Health
 - 3 School
 - 26 other specialties
- The 299 APRNs represent the equivalent of 200.4 full-time providers (FTEs, defined as 40 or more hours of patient care). This includes 114.5 FTEs in primary care and 86.0 FTEs in specialty care.
- Of the 299 APRNs, 34 are over age 55, of which 17 are over 60. 46% are in the 45 to 54 age range. Years worked in Vermont ranges from 0 to over 20 with a median of 5 years. 16, or 6%, plan to retire or reduce hours within a year.
- 268 (90%) of the 338 APRNs are women. 68% of the women, but only 13% of the men, practice primary care. (61% of the men practice in anesthesiology.)
- Most APRNs work in a physician/APRN group setting (39%), an APRN solo or group practice (10%), a community health center (22%), or a hospital outpatient clinic (11%). 10% work in a hospital inpatient setting: 32% of the men and 7% of the women.
- 25% of all APRNs work full-time (40 hours or more):
 - 18% of those who practice primary care, 37% of specialty care
 - 71% of men, 20% of women
 - another 26% work between 30 and 40 hours per week
- 9% of the APRNs have hospital admitting privileges, and 89% have prescriptive authority.
- 60% of the APRNs have MSN degrees.

Vermont Advanced Practice Registered Nurses

Demographic Characteristics

Table 1 -- VT Advanced Practice Nurses, 1998
 Summary of Active Providers

TOTAL	299	(100%)
Certificate types: (each person may have more than one certification)		
Nurse Practitioner (NP)	201	(67%)
Certified Nurse Midwife (CNM)	34	(11%)
Clinical Nurse Specialist (CNS)	36	(12%)
Certified RN Anesthetist (CRNA)	38	(13%)
Age groups:		
less than 35	19	(6%)
35 - 44	108	(36%)
45 - 54	138	(46%)
55 - 64	28	(9%)
65 and up	6	(2%)
Gender:		
Male	31	(10%)
Female	268	(90%)
Patient care hours:		
40 or more hours/week	75	(25%)
30 to 39 hours/week	79	(26%)
less than 30 hours/week	145	(48%)
Number of practice sites:		
One	233	(78%)
Two	46	(15%)
Three or more	20	(7%)
Main specialty:		
Primary Care Total	187	(63%)
Adult	46	(15%)
Family	50	(17%)
Gerontology	3	(1%)
Midwifery	24	(8%)
Ob/Gyn	45	(15%)
Pediatrics	19	(6%)
Specialty Care Total	112	(37%)
Acute Care	6	(2%)
Anesthesiology	37	(12%)
Medical/Surgical	3	(1%)
Mental Health	37	(12%)
School	3	(1%)
Other Specialties	26	(9%)

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

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

	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	299	19	108	138	17	11	6	6%
MALES	31	1	11	17	1	1	.	.%
FEMALES	268	18	97	121	16	10	6	6%
PRIMARY CARE	187	16	69	84	9	4	5	5%
Adult	46	4	16	24	0	0	2	4%
Family	50	7	15	19	4	2	3	10%
Gerontology	3	0	2	0	0	1	0	33%
Midwifery	24	2	11	9	1	1	0	4%
Ob/Gyn	45	3	18	23	1	0	0	0%
Pediatrics	19	0	7	9	3	0	0	0%
SPECIALTY CARE	112	3	39	54	8	7	1	7%
Acute Care	6	1	2	2	0	1	0	17%
Anesthesiology	37	2	17	14	3	1	0	3%
Medical/Surgical	3	0	0	2	1	0	0	0%
Mental Health	37	0	7	24	2	3	1	11%
School	3	0	0	2	0	1	0	33%
Other Specialties	26	0	13	10	2	1	0	4%
	Total	Percent in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	100%	6%	36%	46%	6%	4%	2%	6%
MALES	100%	3%	35%	55%	3%	3%	.%	.%
FEMALES	100%	7%	36%	45%	6%	4%	2%	6%
PRIMARY CARE	100%	9%	37%	45%	5%	2%	3%	5%
SPECIALTY CARE	100%	3%	35%	48%	7%	6%	1%	7%

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

Table 3 -- VT APRNs, 1998
Age by Specialty for Each Gender

Specialty	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
TOTAL	299	19	108	138	17	11	6	6%
MALES	31	1	11	17	1	1	0	3%
PRIMARY CARE	4	0	1	3	0	0	0	0%
Family	2	0	0	2	0	0	0	0%
Gerontology	1	0	1	0	0	0	0	0%
Pediatrics	1	0	0	1	0	0	0	0%
SPECIALTY CARE	27	1	10	14	1	1	0	4%
Acute Care	1	0	1	0	0	0	0	0%
Anesthesiology	19	1	7	9	1	1	0	5%
Mental Health	4	0	0	4	0	0	0	0%
Other Specialties	3	0	2	1	0	0	0	0%
FEMALES	268	18	97	121	16	10	6	6%
PRIMARY CARE	183	16	68	81	9	4	5	5%
Adult	46	4	16	24	0	0	2	4%
Family	48	7	15	17	4	2	3	10%
Gerontology	2	0	1	0	0	1	0	50%
Midwifery	24	2	11	9	1	1	0	4%
Ob/Gyn	45	3	18	23	1	0	0	0%
Pediatrics	18	0	7	8	3	0	0	0%
SPECIALTY CARE	85	2	29	40	7	6	1	8%
Acute Care	5	1	1	2	0	1	0	20%
Anesthesiology	18	1	10	5	2	0	0	0%
Medical/Surgical	3	0	0	2	1	0	0	0%
Mental Health	33	0	7	20	2	3	1	12%
School	3	0	0	2	0	1	0	33%
Other Specialties	23	0	11	9	2	1	0	4%

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

Table 4 -- VT APRNs, 1998
Age by County

County	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	299	19	108	138	17	11	6	6%
Primary Care	187	16	69	84	9	4	5	5%
Specialists	112	3	39	54	8	7	1	7%
Addison County								
Primary Care	6	0	3	3	0	0	0	0%
Specialists	6	0	4	1	0	1	0	17%
Bennington County								
Primary Care	12	1	4	5	1	1	0	8%
Specialists	6	0	2	4	0	0	0	0%
Caledonia County								
Primary Care	16	1	3	9	3	0	0	0%
Specialists	5	0	0	4	0	1	0	20%
Chittenden County								
Primary Care	62	5	24	28	3	0	2	3%
Specialists	46	3	21	20	1	1	0	2%
Essex County								
Primary Care	1	0	0	1	0	0	0	0%
Specialists	0	0	0	0	0	0	0	.%
Franklin County								
Primary Care	4	2	1	1	0	0	0	0%
Specialists	3	0	1	2	0	0	0	0%
Grand Isle County								
Primary Care	1	0	0	0	1	0	0	0%
Specialists	0	0	0	0	0	0	0	.%
Lamoille County								
Primary Care	6	1	2	3	0	0	0	0%
Specialists	1	0	0	1	0	0	0	0%
Orange County								
Primary Care	7	0	6	1	0	0	0	0%
Specialists	3	0	1	1	1	0	0	0%
Orleans County								
Primary Care	8	0	3	4	1	0	0	0%
Specialists	2	0	0	2	0	0	0	0%
Rutland County								
Primary Care	9	1	4	4	0	0	0	0%
Specialists	11	0	1	10	0	0	0	0%
Washington County								
Primary Care	10	1	5	3	0	1	0	10%
Specialists	6	0	2	1	0	2	1	50%
Windham County								
Primary Care	22	1	8	12	0	0	1	5%
Specialists	14	0	5	5	3	1	0	7%
Windsor County								
Primary Care	23	3	6	10	0	2	2	17%
Specialists	9	0	2	3	3	1	0	11%

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 a description of the calculation of ages.

Table 5 -- VT APRNs, 1998
Gender by County

County	Total	Males	Females
STATEWIDE TOTAL			
Total	299	31 (10%)	268 (90%)
Primary Care	187	4 (2%)	183 (98%)
Specialists	112	27 (24%)	85 (76%)
Addison County			
Primary Care	6	0 (0%)	6 (100%)
Specialists	6	2 (33%)	4 (67%)
Bennington County			
Primary Care	12	0 (0%)	12 (100%)
Specialists	6	3 (50%)	3 (50%)
Caledonia County			
Primary Care	16	0 (0%)	16 (100%)
Specialists	5	2 (40%)	3 (60%)
Chittenden County			
Primary Care	62	1 (2%)	61 (98%)
Specialists	46	11 (24%)	35 (76%)
Essex County			
Primary Care	1	0	1
Franklin County			
Primary Care	4	0 (0%)	4 (100%)
Specialists	3	0 (0%)	3 (100%)
Grand Isle County			
Primary Care	1	0	1
Lamoille County			
Primary Care	6	0 (0%)	6 (100%)
Specialists	1	0	1
Orange County			
Primary Care	7	0 (0%)	7 (100%)
Specialists	3	0 (0%)	3 (100%)
Orleans County			
Primary Care	8	0 (0%)	8 (100%)
Specialists	2	0 (0%)	2 (100%)
Rutland County			
Primary Care	9	0 (0%)	9 (100%)
Specialists	11	4 (36%)	7 (64%)
Washington County			
Primary Care	10	0 (0%)	10 (100%)
Specialists	6	1 (17%)	5 (83%)
Windham County			
Primary Care	22	1 (5%)	21 (95%)
Specialists	14	1 (7%)	13 (93%)
Windsor County			
Primary Care	23	2 (9%)	21 (91%)
Specialists	9	3 (33%)	6 (67%)

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 APRNs, 1998
 Years Since Started Practice

Time since started	Anywhere	In Vermont
less than a year	18 (7%)	28 (11%)
1 or 2 years	40 (16%)	47 (19%)
3 or 4 years	25 (10%)	36 (14%)
5 to 9 years	41 (16%)	48 (19%)
10 to 14 years	39 (16%)	34 (14%)
15 to 19 years	45 (18%)	24 (10%)
20 years or more	41 (16%)	32 (13%)
unknown	50	50
Total	299	299
Median years:	10	5

**Vermont Advanced Practice Registered Nurses
Distribution of Full Time Equivalents (FTEs)**

Table 7 -- VT APRNs, 1998
 Numbers of Nurses, Full Time Equivalent (FTEs),
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
STATEWIDE TOTAL	299 200.4 8452	189 114.5 4759	123 86.0 3693
Addison County	13 8.2 334	7 3.1 128	6 5.2 206
Bennington County	18 12.6 518	12 7.1 290	7 5.6 228
Caledonia County	27 14.4 593	19 10.2 410	10 4.2 183
Chittenden County	113 73.4 3143	65 39.4 1657	51 33.9 1486
Essex County	2 1.1 42	2 1.1 42	.. ..
Franklin County	10 6.2 251	5 3.9 156	5 2.4 95
Grand Isle County	2 .6 25	1 .5 20	1 .1 5
Lamoille County	9 5.4 227	7 4.6 183	3 .9 44
Orange County	15 6.7 268	10 4.2 170	5 2.4 98
Orleans County	11 7.4 336	8 5.6 255	4 1.8 81
Rutland County	21 14.0 600	10 6.1 244	11 7.9 356
Washington County	18 10.2 415	10 5.4 220	9 4.7 195
Windham County	37 24.5 1062	23 14.9 640	15 9.6 422
Windsor County	34 15.8 638	25 8.4 344	10 7.4 294

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

Table 8 -- VT APRNs, 1998
 Numbers of Primary Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	PRIMARY CARE TOTAL	ADULT	FAMILY	GERONTOL	MIDWIFE	OB/GYN	PEDIATRIC
STATEWIDE TOTAL	189 114.5 4759	52 26.6 1096	54 32.6 1352	6 2.5 106	27 15.9 697	56 27.5 1132	22 9.4 376
Addison County	7 3.1 128	1 .5 19	3 1.3 59	. . . .	1 .4 15	1 .4 15	1 .5 20
Bennington County	12 7.1 290	3 1.5 60	5 1.9 79	1 .2 8	3 2.1 88	4 1.3 55	.. ..
Caledonia County	19 10.2 410	2 .8 30	5 3.6 145	. . . .	4 2.2 88	5 2.6 104	3 1.1 43
Chittenden County	65 39.4 1657	24 14.1 572	10 5.9 254	1 .3 13	10 6.0 271	19 8.8 375	11 4.3 172
Essex County	2 1.1 42	. . . .	2 1.1 42	.. ..	.. ..	.. ..	.. ..
Franklin County	5 3.9 156	1 .2 6	2 1.7 69	1 .2 6	. . . .	2 1.9 75	.. ..
Grand Isle County	1 .5 20	. . . .	1 .5 20	.. ..	.. ..	.. ..	.. ..
Lamoille County	7 4.6 183	2 1.2 47	1 .9 35	2 .3 11	2 1.6 64	1 .7 26	.. ..
Orange County	10 4.2 170	2 1.0 41	4 1.6 64	1 .1 4	1 .4 17	. . . .	3 1.1 44
Orleans County	8 5.6 255	3 1.4 65	2 1.6 62	. . . .	1 1.0 60	1 .7 28	1 1.0 40
Rutland County	10 6.1 244	3 1.3 50	2 1.4 55	. . . .	1 .4 15	6 3.1 124	.. ..
Washington County	10 5.4 220	1 .8 32	4 1.9 77	. . . .	. . . .	6 2.8 111	.. ..
Windham County	23 14.9 640	4 2.2 101	10 6.9 295	. . . .	2 1.3 57	7 3.6 150	2 .9 37
Windsor County	25 8.4 344	7 1.8 73	6 2.4 96	3 1.5 64	6 .6 22	7 1.7 69	1 .5 20

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

Table 9 -- VT APRNs, 1998
 Numbers of Specialty Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	EMERG. MEDIC.	ANESTHE- SIOLOGY	MED./ SURG.	MENTAL HEALTH	SCHOOL	OTHER
STATEWIDE TOTAL	123 86.0 3693	12 6.1 248	37 31.0 1381	3 2.5 100	38 25.6 1069	7 3.5 157	33 17.3 738
Addison County	6 5.2 206	. . . . .	2 1.6 65	. . . . .	2 1.5 60	1 1.0 40	2 1.0 41
Bennington County	7 5.6 228	. . . . .	5 4.5 186	. . . . .	1 .9 36	. . . . .	1 .2 6
Caledonia County	10 4.2 183	2 .4 14	1 1.0 45	. . . . .	4 2.4 106	1 .2 7	3 .3 11
Chittenden County	51 33.9 1486	3 2.6 103	17 14.2 661	3 2.5 100	9 4.4 180	2 .8 32	18 9.5 410
Essex County	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Franklin County	5 2.4 95	3 1.8 73	. . . . .	. . . . .	2 .6 22	.. .. .	.. .. .
Grand Isle County	1 .1 5	. . . . .	. . . . .	. . . . .	1 .1 5	.. .. .	.. .. .
Lamoille County	3 .9 44	1 .1 4	. . . . .	. . . . .	1 .5 20	. . . . .	1 .3 20
Orange County	5 2.4 98	. . . . .	1 .8 30	. . . . .	3 1.6 62	1 .2 6	.. .. .
Orleans County	4 1.8 81	. . . . .	. . . . .	. . . . .	3 1.7 77	. . . . .	1 .1 4
Rutland County	11 7.9 356	. . . . .	6 4.8 232	. . . . .	4 2.4 94	. . . . .	1 .8 30
Washington County	9 4.7 195	2 1.3 52	. . . . .	. . . . .	4 2.1 83	. . . . .	3 1.4 60
Windham County	15 9.6 422	1 .0 2	2 1.4 54	. . . . .	7 4.6 204	1 .5 40	5 3.1 122
Windsor County	10 7.4 294	. . . . .	3 2.7 108	. . . . .	5 3.0 120	2 .8 32	1 .9 34

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

Table 10 -- VT APRNs, 1998
 Primary Care Provider FTE to Population Ratios by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	114.5	600269	19.1	5243
Addison County	3.1	35413	8.8	11424
Bennington County	7.1	36784	19.3	5181
Caledonia County	10.2	29358	34.7	2878
Chittenden County	39.4	143812	27.4	3650
Essex County	1.1	6449	17.1	5863
Franklin County	3.9	44403	8.8	11385
Grand Isle County	.5	6605	7.6	13210
Lamoille County	4.6	22579	20.4	4908
Orange County	4.2	27840	15.1	6629
Orleans County	5.6	25864	21.7	4619
Rutland County	6.1	63173	9.7	10356
Washington County	5.4	57464	9.4	10641
Windham County	14.9	43730	34.1	2935
Windsor County	8.4	56795	14.8	6761

Only primary care providers are included in this table.

One FTE is defined as 40 (or more) hours per week (Note 22).

See Note 4 regarding calculation of FTEs by area.

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

Table 11 -- VT APRNs, 1998
 Total FTEs by Practice Setting by Specialty

Specialty Group	FTEs in Setting				
	Solo Practice	Group Practice	Hospital Inp./ER	Hospital Outpat.	Other
Adult	.3	19.6	.	5.1	1.6
Family	.3	23.8	.	5.3	3.1
Gerontology	.3	1.2	.	.9	.3
Midwifery	1.4	12.5	.	2.1	.
Ob/Gyn	.9	22.6	.	2.4	1.6
Pediatrics	.1	8.3	.	.5	.5
Acute Care	.	1.3	3.8	1.0	.
Anesthesiology	.8	18.0	12.0	.2	.
Medical/Surgical	.	1.0	1.5	.	.
Mental Health	8.3	12.1	1.0	2.3	1.9
School	.5	.	.	.	3.0
Other Specialties	.	5.9	6.9	3.6	1.0

All worksites of each provider are counted in this table (see Note 4).

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

Vermont Advanced Practice Registered Nurses' Training

Table 12 -- VT Advanced Practice Nurses, 1998
Education and Certification

	Type of Advanced Practice Nurse				TOTAL	
	NP	CNM	CNS	CRNA		
TOTAL *	191	34	36	38	299	(100 %)

Highest level of nursing education:

Diploma	14	1	4	2	21	(8 %)
Assoc Deg	13	4	0	3	20	(8 %)
BS	26	4	4	8	42	(17 %)
MS	104	19	25	4	152	(60 %)
Doctorate	2	0	0	0	2	(1 %)
Other	7	1	1	6	15	(6 %)
Unknown	25	5	2	15	47	

Highest additional, non-nursing, degree, if any:

BA	19	6	1	2	28	
MA/MS/MPH	16	5	8	2	31	
Doctorate	3	0	1	0	4	
Other	14	1	4	2	21	
None indicated	139	22	22	32	215	

APRN preparation:

Certificate	90	19	12	28	149	(50 %)
MSN	91	15	23	4	133	(44 %)
Other	10	0	1	6	17	(6 %)

(*) Those with an additional specialty besides NP (e.g., CNM) are counted under that specialty

Vermont Advanced Practice Registered Nurses

Practice Characteristics

Table 13 -- VT APRNs, 1998
Practice Setting by Specialty

Care Setting	Total	Number in Specialty Group						
		Family	Midwif	Obgyn	Ped	Anesth	Psych	Other
TOTAL, ALL SETTINGS	299 (100%)	96	24	45	19	37	37	41
Solo Practice	21 (7%)	2	3	2	.	1	13	.
Comm Health Center	65 (22%)	22	1	25	2	.	11	4
APRN Practice Grp	10 (3%)	.	3	1	2	2	1	1
Phys/APRN Prac	117 (39%)	48	13	10	13	20	6	7
Hosp Outpat Clinic	34 (11%)	14	4	4	1	.	3	8
Emergency Room	2 (1%)	.	.	.	.	.	.	2
Hospital Inpat	30 (10%)	1	.	.	.	14	1	14
School/College	16 (5%)	8	.	3	1	.	.	4
Business/Worksite	3 (1%)	1	.	.	.	.	2	.
Extended Care	1 (0%)	.	.	.	.	.	.	1

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

See Table 11 for a similar tabulation by FTEs rather than counts.

Table 14 -- VT APRNs, 1998
Practice Setting by Age

Care Setting	Total	Number in Age Group					
		<35	35-44	45-54	55-59	60-64	65+
TOTAL, ALL SETTINGS	299 (100%)	19	108	138	17	11	6
Solo Practice	21 (7%)	.	9	8	1	2	1
Comm Health Center	65 (22%)	5	19	36	2	1	2
APRN Practice Group	10 (3%)	.	3	4	2	1	.
Physician/APRN Prac	117 (39%)	8	44	54	5	3	3
Hosp Outpat Clinic	34 (11%)	4	11	14	3	2	.
Emergency Room	2 (1%)	.	1	1	.	.	.
Hospital Inpatient	30 (10%)	1	16	9	4	.	.
School/College	16 (5%)	1	5	9	.	1	.
Business/Worksite	3 (1%)	.	.	3	.	.	.
Extended Care	1 (0%)	.	.	.	.	1	.

Each APRN is counted once in this table, in their main practice setting. See Note 1 for a description of the calculation of ages.

Table 15 -- VT APRNs, 1998
Practice Setting by Gender

Care Setting	Total	Males		Females	
		Count	Percentage	Count	Percentage
TOTAL, ALL SETTINGS	299	31	(100%)	268	(100%)
Solo Practice	21	2	(6%)	19	(7%)
Comm Health Center	65	3	(10%)	62	(23%)
APRN Practice Group	10	1	(3%)	9	(3%)
Physician/APRN Prac	117	13	(42%)	104	(39%)
Hosp Outpat Clinic	34	2	(6%)	32	(12%)
Emergency Room	2	0	(0%)	2	(1%)
Hospital Inpatient	30	10	(32%)	20	(7%)
School/College	16	0	(0%)	16	(6%)
Business/Worksite	3	0	(0%)	3	(1%)
Extended Care	1	0	(0%)	1	(0%)

Each APRN is counted once in this table, in their main practice setting. Percentages are based on 'TOTAL' row.

Table 16 -- VT APRNs, 1998
Average Patient Care Hours per Week,
by Provider Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week				% Working Full Time (%)	Review hrs/wk
		All Ages	Age < 45	Age 45-54	Age 55+		
ALL SPECIALTIES	299	28	29	28	28	25%	3
PRIMARY CARE	187	26	26	26	25	18%	2
Adult	46	27	29	26	13	17%	3
Family	50	27	26	28	30	22%	2
Gerontology	3	27	37	.	8	33%	5
Midwifery	24	30	32	29	21	33%	5
Ob/Gyn	45	24	23	25	26	9%	1
Pediatrics	19	20	17	22	24	11%	2
SPECIALTY CARE	112	32	34	31	31	37%	4
Acute Care	6	36	35	34	40	50%	4
Anesthesiology	37	37	40	35	35	57%	5
Medical/Surgical	3	33	.	30	40	67%	13
Mental Health	37	29	31	29	30	27%	2
School	3	40	.	41	40	67%	1
Other Specialties	26	26	26	28	21	12%	4

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

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

Table 17 -- VT APRNs, 1998
Average Patient Care Hours per Week,
by Provider Gender, Specialty and Age

Main Specialty	Total	Average Patient Care Hours per Week				% Working Full Time (%)	Review hrs/wk
		All Ages	Age < 45	Age 45-54	Age 55+		
MALES:							
ALL SPECIALTIES	31	43	42	43	38	71%	5
PRIMARY CARE	4	40	48	37	.	50%	4
Family	2	37	.	37	.	50%	1
Gerontology	1	48	48	.	.	100%	11
Pediatrics	1	38	.	38	.	0%	3
SPECIALTY CARE	27	43	42	45	38	74%	5
Acute Care	1	40	40	.	.	100%	5
Anesthesiology	19	42	43	43	38	74%	5
Mental Health	4	41	.	41	.	75%	3
Other Specialties	3	51	37	80	.	67%	11
FEMALES:							
ALL SPECIALTIES	268	27	27	26	27	20%	3
PRIMARY CARE	183	26	26	26	25	17%	2
Adult	46	27	29	26	13	17%	3
Family	48	27	26	27	30	21%	2
Gerontology	2	17	26	.	8	0%	2
Midwifery	24	30	32	29	21	33%	5
Ob/Gyn	45	24	23	25	26	9%	1
Pediatrics	18	19	17	20	24	11%	2
SPECIALTY CARE	85	29	31	26	30	25%	3
Acute Care	5	35	33	34	40	40%	3
Anesthesiology	18	32	37	20	32	39%	6
Medical/Surgical	3	33	.	30	40	67%	13
Mental Health	33	28	31	27	30	21%	2
School	3	40	.	41	40	67%	1
Other Specialties	23	23	24	22	21	4%	2

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

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

Table 18 -- VT APRNs, 1998
Average Patient Care Hours per Week,
by Provider Age, by County

County	Total	Average Patient Care Hours per Week				% Working Full Time (%)	Review hrs/wk
		All Ages	Age < 45	Age 45-54	Age 55+		
STATEWIDE TOTAL							
Primary Care	187	26	26	26	25	18%	2
Specialists	112	32	34	31	31	37%	4
Addison County							
Primary Care	6	24	26	21	.	17%	7
Specialists	6	36	34	38	40	33%	3
Bennington County							
Primary Care	12	25	19	33	17	25%	2
Specialists	6	37	38	37	.	67%	11
Caledonia County							
Primary Care	16	27	29	27	25	19%	2
Specialists	5	29	.	25	45	40%	2
Chittenden County							
Primary Care	62	27	26	28	26	18%	3
Specialists	46	32	35	28	40	43%	5
Essex County							
Primary Care	1	26	.	26	.	0%	1
Specialists	.	.	.	.	.	.	.
Franklin County							
Primary Care	4	37	36	41	.	50%	2
Specialists	3	28	41	21	.	33%	2
Grand Isle County							
Primary Care	1	36	.	.	36	0%	3
Specialists	.	.	.	.	.	.	.
Lamoille County							
Primary Care	6	34	35	34	.	17%	2
Specialists	1	33	.	33	.	0%	6
Orange County							
Primary Care	7	23	21	34	.	0%	2
Specialists	3	27	30	30	20	0%	1
Orleans County							
Primary Care	8	36	53	25	30	38%	2
Specialists	2	31	.	31	.	0%	4
Rutland County							
Primary Care	9	25	22	30	.	0%	1
Specialists	11	32	30	33	.	36%	2
Washington County							
Primary Care	10	26	24	23	44	20%	1
Specialists	6	27	23	40	26	33%	1
Windham County							
Primary Care	22	28	33	25	16	27%	3
Specialists	14	32	28	45	22	21%	2
Windsor County							
Primary Care	23	16	14	15	20	9%	2
Specialists	9	33	36	25	38	33%	3

'Full Time' is 40 (or more) hours of direct patient care per week (in Vermont) - see Note 22.
See Note 1 for a description of the calculation of ages.
Each APRN is counted only once (see Note 2).

Table 19 -- VT APRNs, 1998
Working On-Call, by Specialty and by Setting

Specialty	Cases	Missing	Work On Call
TOTAL	385	22	156 (43.0%)
PRIMARY CARE	236	14	85 (38.3%)
Adult	56	3	18 (34.0%)
Family	59	4	11 (20.0%)
Gerontology	6	0	2 (33.3%)
Midwifery	35	3	27 (84.4%)
Ob/Gyn	57	3	19 (35.2%)
Pediatrics	23	1	8 (36.4%)
SPECIALTY CARE	149	8	71 (50.4%)
Acute Care	10	1	2 (22.2%)
Anesthesiology	40	0	32 (80.0%)
Medical/Surgical	3	0	0 (.0%)
Mental Health	56	5	22 (43.1%)
School	8	0	4 (50.0%)
Other Specialties	32	2	11 (36.7%)
Setting	Cases	Missing	Work On Call
TOTAL	385	22	156 (43.0%)
Solo Practice	29	1	19 (67.9%)
Commun Health Ctr	90	5	26 (30.6%)
Hosp Outpat Clinic	42	4	6 (15.8%)
School/College	21	0	11 (52.4%)
Business/Worksite	7	2	0 (.0%)
Hosp Emergency Room	5	1	2 (50.0%)
Hosp Inpatient	36	2	21 (61.8%)
Extended Care Facil	6	0	3 (50.0%)
APRN Practice Group	11	0	5 (45.5%)
Phys/APRN Practice	138	7	63 (48.1%)

Each site a provider practices in is counted separately.
Cases tabulated are person-site combinations (Note 10).
Missing are cases where this question was not answered.
Missing cases are not included in the percentages.

Table 20 -- VT APRNs, 1998
Hospital Admitting Privileges and Prescriptive Authority,
by Specialties

Specialty	Total APRNs	Number of APRNs with Hospital Admitting Privileges		Number of APRNs with Prescriptive Authority	
TOTAL	299	28	(9%)	267	(89%)
PRIMARY CARE	187	19	(10%)	182	(97%)
Adult	46	2	(4%)	45	(98%)
Family	50	5	(10%)	48	(96%)
Gerontology	3	1	(33%)	3	(100%)
Midwifery	24	8	(33%)	24	(100%)
Ob/Gyn	45	2	(4%)	44	(98%)
Pediatrics	19	1	(5%)	18	(95%)
SPECIALTY CARE	112	9	(8%)	85	(76%)
Acute Care	6	1	(17%)	6	(100%)
Anesthesiology	37	2	(5%)	30	(81%)
Medical/Surgical	3	0	(0%)	3	(100%)
Mental Health	37	5	(14%)	20	(54%)
School	3	0	(0%)	2	(67%)
Other Specialties	26	1	(4%)	24	(92%)

Table 21 -- VT APRNs, 1998
Practice Availability by Specialty

Specialty	Offices	Plan to Continue Practice	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)	(%)
TOTAL	306	96%	95%	90%	83%
PRIMARY CARE	211	96%	97%	92%	86%
Adult	49	98%	96%	84%	83%
Family	53	91%	96%	84%	80%
Gerontology	2	100%	100%	100%	100%
Midwifery	33	97%	100%	100%	n.a.
Ob/Gyn	54	98%	96%	96%	94%
Pediatrics	20	100%	100%	100%	n.a.
SPECIALTY CARE	95	97%	89%	86%	76%
Anesthesiology	26	92%	85%	84%	84%
Medical/Surgical	1	100%	100%	100%	100%
Mental Health	50	100%	92%	85%	74%
Other Specialties	18	94%	89%	88%	71%

Office settings only (Note 11). Does not include emergency medicine.
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.

Table 22 -- VT APRNs, 1998
Practice Availability by County

County	Offices	Plan to Continue Practice	Accept New Patients	Accept New Medicaid Patients	Accept New Medicare Patients
		(%)	(%)	(%)	(%)
STATEWIDE TOTAL					
Primary Care	211	96%	97%	92%	86%
Specialists	95	97%	89%	86%	76%
Addison County					
Primary Care	5	100%	100%	100%	100%
Specialists	3	100%	100%	100%	100%
Bennington County					
Primary Care	12	92%	90%	80%	78%
Specialists	5	100%	100%	100%	100%
Caledonia County					
Primary Care	18	100%	100%	100%	100%
Specialists	7	100%	100%	100%	86%
Chittenden County					
Primary Care	67	99%	97%	92%	83%
Specialists	31	94%	77%	71%	65%
Essex County					
Primary Care	2	100%	100%	100%	100%
Specialists	0	.	.	.	.
Franklin County					
Primary Care	6	100%	100%	100%	83%
Specialists	2	100%	100%	100%	0%
Grand Isle County					
Primary Care	1	100%	100%	100%	100%
Specialists	1	100%	100%	100%	100%
Lamoille County					
Primary Care	8	88%	100%	100%	100%
Specialists	1	100%	100%	100%	100%
Orange County					
Primary Care	9	100%	100%	100%	100%
Specialists	4	100%	100%	100%	100%
Orleans County					
Primary Care	9	89%	100%	100%	100%
Specialists	4	100%	100%	100%	75%
Rutland County					
Primary Care	10	100%	100%	100%	100%
Specialists	12	100%	92%	82%	82%
Washington County					
Primary Care	12	100%	91%	91%	91%
Specialists	6	100%	100%	100%	100%
Windham County					
Primary Care	26	96%	92%	81%	76%
Specialists	11	91%	82%	80%	80%
Windsor County					
Primary Care	26	88%	100%	81%	76%
Specialists	8	100%	100%	100%	50%

Office Settings Only (Note 11). Excludes emergency medicine.
Each site a provider practices in is counted separately (Note 10).
'Plan to Continue Practice' is for 12 months following the survey.

Table 23 -- VT APRNs, 1998
Main and Secondary Specialties

Specialty	Main Specialty		Secondary Specialty	
	Number	Percent	Number	Percent
TOTAL	299	100%	49	100%
PRIMARY CARE	187	63%	31	63%
Adult	46	15%	6	12%
Family	50	17%	5	10%
Gerontology	3	1%	3	6%
Midwifery	24	8%	3	6%
Ob/Gyn	45	15%	11	22%
Pediatrics	19	6%	3	6%
SPECIALTY CARE	112	37%	18	37%
Acute Care	6	2%	6	12%
Anesthesiology	37	12%	0	0%
Medical/Surgical	3	1%	0	0%
Mental Health	37	12%	1	2%
School	3	1%	4	8%
Other Specialties	26	9%	7	14%

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

Advanced Practice Registered Nurses
by Vermont Health Care Areas

Table 24 -- VT APRNs, 1998
Age by Health Care Area

Health Care Area	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	299	19	108	138	17	11	6	6%
Primary Care	187	16	69	84	9	4	5	5%
Specialists	112	3	39	54	8	7	1	7%
Central Vermont								
Primary Care	12	1	6	4	0	1	0	8%
Specialists	6	0	2	1	0	2	1	50%
Chittenden								
Primary Care	64	6	24	28	4	0	2	3%
Specialists	46	3	21	20	1	1	0	2%
Copley								
Primary Care	6	0	2	4	0	0	0	0%
Specialists	1	0	0	1	0	0	0	0%
Gifford								
Primary Care	4	0	2	1	0	1	0	25%
Specialists	2	0	1	0	1	0	0	0%
North Country								
Primary Care	8	0	3	4	1	0	0	0%
Specialists	2	0	0	2	0	0	0	0%
Northeastern								
Primary Care	16	1	3	9	3	0	0	0%
Specialists	5	0	0	4	0	1	0	20%
Northwestern								
Primary Care	4	2	1	1	0	0	0	0%
Specialists	3	0	1	2	0	0	0	0%
Porter								
Primary Care	6	0	3	3	0	0	0	0%
Specialists	6	0	4	1	0	1	0	17%
Rutland								
Primary Care	9	1	4	4	0	0	0	0%
Specialists	11	0	1	10	0	0	0	0%
Southwestern								
Primary Care	13	1	4	6	1	1	0	8%
Specialists	6	0	2	4	0	0	0	0%
Springfield								
Primary Care	9	1	1	6	0	0	1	11%
Specialists	5	0	1	2	1	1	0	20%
Upper Conn Valley								
Primary Care	18	2	8	6	0	1	1	11%
Specialists	5	0	1	2	2	0	0	0%
Windham								
Primary Care	18	1	8	8	0	0	1	6%
Specialists	14	0	5	5	3	1	0	7%

Each provider is counted once in this table, in their main specialty group, and, independently, in their main HCA of practice (Note 2). See Note 1 for a description of the calculation of ages.

Table 25 -- VT APRNs, 1998
 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		299 200.4 8452	189 114.5 4759	123 86.0 3693
Central Vermont		20 11.7 476	12 7.0 281	9 4.7 195
Chittenden		116 74.9 3202	69 40.9 1716	51 33.9 1486
Copley		9 5.6 232	7 4.6 185	3 .9 47
Gifford		8 4.1 164	5 2.3 94	4 1.8 70
North Country		11 7.4 336	8 5.6 255	4 1.8 81
Northeastern		24 14.4 591	17 10.3 411	9 4.1 180
Northwestern		11 6.4 256	5 3.9 156	6 2.5 100
Porter		13 8.2 334	7 3.1 128	6 5.2 206
Rutland		21 14.0 600	10 6.1 244	11 7.9 356
Southwestern		19 13.3 545	13 7.8 317	7 5.6 228
Springfield		16 7.1 287	11 3.6 145	5 3.6 142
Upper Conn Valley		26 11.1 453	18 6.6 271	8 4.6 182
Windham		32 22.3 976	19 12.8 556	14 9.5 420

In this table providers may be counted more than once
 (see note 4).

Table 26 -- VT APRNs, 1998
 Numbers of Primary Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by Health Care Area

Count FTEs Hours	PRIMARY CARE	ADULT	FAMILY	GERONTOL	MIDWIFE	OB/GYN	PEDIATRIC
	TOTAL						
STATEWIDE TOTAL	189 114.5 4759	52 26.6 1096	54 32.6 1352	6 2.5 106	27 15.9 697	56 27.5 1132	22 9.4 376
Central Vermont	12 7.0 281	2 1.7 66	5 2.5 104	. . . . .	. . . . .	6 2.8 111	.. .. .
Chittenden	69 40.9 1716	24 14.1 572	12 7.3 309	1 .3 13	12 6.1 275	19 8.8 375	11 4.3 172
Copley	7 4.6 185	2 1.2 47	1 .8 33	2 .3 11	2 1.7 68	1 .7 26	.. .. .
Gifford	5 2.3 94	1 .2 7	2 .7 29	. . . . .	2 .7 26	1 .3 12	1 .5 20
North Country	8 5.6 255	3 1.4 65	2 1.6 62	. . . . .	1 1.0 60	1 .7 28	1 1.0 40
Northeastern	17 10.3 411	2 .8 30	6 3.9 154	. . . . .	2 2.0 80	5 2.6 104	3 1.1 43
Northwestern	5 3.9 156	1 .2 6	2 1.7 69	1 .2 6	. . . . .	2 1.9 75	.. .. .
Porter	7 3.1 128	1 .5 19	3 1.3 59	. . . . .	1 .4 15	1 .4 15	1 .5 20
Rutland	10 6.1 244	3 1.3 50	2 1.4 55	. . . . .	1 .4 15	6 3.1 124	.. .. .
Southwestern	13 7.8 317	3 1.5 60	6 2.6 106	1 .2 8	3 2.1 88	4 1.3 55	.. .. .
Springfield	11 3.6 145	1 .3 10	4 1.6 64	. . . . .	2 .2 9	4 1.1 45	1 .4 17
Upper Conn Valley	18 6.6 271	6 1.6 63	4 1.8 75	3 1.6 68	3 .2 9	2 .3 12	3 1.1 44
Windham	19 12.8 556	4 2.2 101	7 5.3 233	. . . . .	2 1.1 52	7 3.6 150	1 .5 20

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

Table 27 -- VT APRNs, 1998
 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	EMERG. MEDIC.	ANESTHE- SIOLOGY	MED./ SURG.	MENTAL HEALTH	SCHOOL	OTHER
STATEWIDE TOTAL	123 86.0 3693	12 6.1 248	37 31.0 1381	3 2.5 100	38 25.6 1069	7 3.5 157	33 17.3 738
Central Vermont	9 4.7 195	2 1.3 52	. . . . .	. . . . .	4 2.1 83	. . . . .	3 1.4 60
Chittenden	51 33.9 1486	3 2.6 103	17 14.2 661	3 2.5 100	9 4.4 180	2 .8 32	18 9.5 410
Copley	3 .9 47	1 .1 4	. . . . .	. . . . .	1 .6 23	. . . . .	1 .3 20
Gifford	4 1.8 70	. . . . .	1 .8 30	. . . . .	2 .7 28	1 .3 12	.. .. .
North Country	4 1.8 81	. . . . .	. . . . .	. . . . .	3 1.7 77	. . . . .	1 .1 4
Northeastern	9 4.1 180	2 .4 14	1 1.0 45	. . . . .	3 2.3 103	1 .2 7	3 .3 11
Northwestern	6 2.5 100	3 1.8 73	. . . . .	. . . . .	3 .7 27	.. .. .	.. .. .
Porter	6 5.2 206	. . . . .	2 1.6 65	. . . . .	2 1.5 60	1 1.0 40	2 1.0 41
Rutland	11 7.9 356	. . . . .	6 4.8 232	. . . . .	4 2.4 94	. . . . .	1 .8 30
Southwestern	7 5.6 228	. . . . .	5 4.5 186	. . . . .	1 .9 36	. . . . .	1 .2 6
Springfield	5 3.6 142	. . . . .	1 1.0 38	. . . . .	4 2.1 84	1 .5 20	.. .. .
Upper Conn Valley	8 4.6 182	. . . . .	2 1.8 70	. . . . .	4 1.8 72	1 .2 6	1 .9 34
Windham	14 9.5 420	1 .0 2	2 1.4 54	. . . . .	6 4.6 202	1 .5 40	5 3.1 122

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

Table 28 -- VT APRNs, 1998
 Primary Care Provider FTE to Population Ratios
 by Health Care Area

HCA	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	114.5	600269	19.1	5243
Central Vermont	7.0	66097	10.6	9442
Chittenden	40.9	160811	25.4	3932
Copley	4.6	24674	18.6	5364
Gifford	2.4	18127	13.2	7553
North Country	5.6	27116	20.7	4842
Northeastern	10.3	29372	35.1	2852
Northwestern	3.9	42252	9.2	10834
Porter	3.1	27427	11.3	8847
Rutland	6.1	63934	9.5	10481
Southwestern	7.8	40371	19.3	5176
Springfield	3.6	25884	13.9	7190
Upper Conn Valley	6.6	42590	15.5	6453
Windham	12.8	31614	40.5	2470

Only primary care providers are included in this table.

One FTE is defined as 40 (or more) hours per week (Note 22).

See Note 4 regarding calculation of FTEs by area.

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

**Advanced Practice Registered Nurses by
Area Health Education Center (AHEC) Regions**

Table 29 -- VT APRNs, 1998
Age by AHEC Region

AHEC Region	Total	Number in Age Group						Age 60+
		<35	35-44	45-54	55-59	60-64	65+	(%)
STATEWIDE TOTAL								
Total	299	19	108	138	17	11	6	6%
Primary Care	187	16	69	84	9	4	5	5%
Specialists	112	3	39	54	8	7	1	7%
Champlain Valley								
Primary Care	73	7	28	32	4	0	2	3%
Specialists	55	3	26	23	1	2	0	4%
Northeast VT								
Primary Care	48	3	19	21	4	1	0	2%
Specialists	17	0	3	9	1	3	1	24%
Southern VT								
Primary Care	66	6	22	31	1	3	3	9%
Specialists	40	0	10	22	6	2	0	5%

Each provider is counted once in this table, in their main specialty group, and, independently, in their main region of practice.

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

Table 30 -- VT APRNs, 1998
 Numbers of Providers, Full Time Equivalent (FTEs),
 and Total Weekly Patient Care Hours, by AHEC region

Count FTEs Hours	TOTAL	PRIMARY CARE TOTAL	SPECIALTY CARE TOTAL
	-----	-----	-----
STATEWIDE TOTAL	299	189	123
	200.4	114.5	86.0
	8452	4759	3693
Champlain Valley	131	76	59
	88.5	46.9	41.6
	3753	1961	1792
Northeast VT	73	51	27
	45.2	31.1	14.0
	1881	1280	601
Southern VT	108	69	42
	66.8	36.5	30.4
	2818	1518	1300

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

Table 31 -- VT APRNs, 1998
 Numbers of Primary Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by AHEC Region

Count FTEs Hours	PRIMARY CARE	ADULT	FAMILY	GERONTOL	MIDWIFE	OB/GYN	PEDIATRIC
	TOTAL						
STATEWIDE TOTAL	189	52	54	6	27	56	22
	114.5	26.6	32.6	2.5	15.9	27.5	9.4
	4759	1096	1352	106	697	1132	376
Champlain Valley	76	26	15	2	11	21	12
	46.9	14.7	9.5	.5	6.4	11.0	4.8
	1961	597	402	19	286	465	192
Northeast VT	51	10	17	3	6	12	7
	31.1	5.1	10.5	.4	5.2	6.7	3.2
	1280	215	425	15	229	269	127
Southern VT	69	17	23	4	12	23	3
	36.5	6.8	12.6	1.7	4.3	9.8	1.4
	1518	284	525	72	182	398	57

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

Table 32 -- VT APRNs, 1998
 Numbers of Specialty Care Providers, Full Time Equivalents (FTEs),
 and Total Weekly Patient Care Hours, by AHEC Region

Count FTEs Hours	SPECIALTY						
	CARE TOTAL	EMERG. MEDIC.	ANESTHE- SIOLOGY	MED./ SURG.	MENTAL HEALTH	SCHOOL	OTHER
STATEWIDE TOTAL	123 86.0 3693	12 6.1 248	37 31.0 1381	3 2.5 100	38 25.6 1069	7 3.5 157	33 17.3 738
Champlain Valley	59 41.6 1792	6 4.4 176	19 15.9 726	3 2.5 100	12 6.5 267	3 1.8 72	20 10.5 451
Northeast VT	27 14.0 601	5 1.7 70	2 1.8 75	. . . .	12 8.2 348	2 .3 13	7 2.0 95
Southern VT	42 30.4 1300	1 .0 2	16 13.4 580	. . . .	16 10.9 454	3 1.3 72	8 4.8 192

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

Table 33 -- VT APRNs, 1998
 Primary Care Provider FTE to Population Ratios
 by AHEC Region

Region	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	114.5	600269	19.1	5243
Champlain Valley	46.9	230233	20.4	4909
Northeast VT	31.1	169554	18.3	5452
Southern VT	36.5	200482	18.2	5493

Only primary care providers are included in this table.

One FTE is defined as 40 (or more) hours per week (Note 22).

See Note 4 regarding calculation of FTEs by area.

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

Appendices

Appendix A. General Notes and Terms

Definition of Active APRN

An APRN who was actively licensed in Vermont as of late 1998, and who provided patient care hours in Vermont (not as locum tenens) as reported in the survey, is considered active.

APRNs not represented in these tables

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

Specialties

APRNs reported their specialties using a predefined list (see the survey form, Appendix C). Nobody reported the “primary care / other” specialty, thus it does not appear in the tables in this report.

Determination of an APRN’s main specialty

An APRN’s “main” specialty is the specialty group in which the APRN works the most hours. In case of a tie (equal hours reported in two specialties), the one listed first in the list of specialties is chosen. This has the effect of choosing primary care over specialty care, and more specific specialties over the “other” category, in case of a tie.

Main setting

Main setting is the practice setting in which the APRN 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).

Main County, or other geographical area

Main county (or HCA, etc) is the county (or HCA, etc) in which the APRN practices the greatest number of patient care hours.

Primary care

Work done in a hospital emergency room was not counted as primary care, rather, it was recoded as the “specialty care / other” specialty. The same holds for “Pediatrics” reported to be done in a hospital inpatient setting.

APRNs who practice exclusively in hospital settings

If **all** of an APRN’s patient care settings at all sites are “hospital inpatient”, then the APRN is considered to be a specialist, even if primary care specialties are reported. However, if **some** of the APRN’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)

Full time is defined as 40 patient care hours per week or more, averaged over the year. An APRN reporting more than 40 hours per week is defined as *one* FTE regardless of the number of 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 APRNs are exact integers, however, and should add up to displayed totals.

Tables displaying each APRN 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 APRN 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 APRNs in more than one row or column, e.g., in every county the APRN 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 (referred to by number)

1. Calculation of Age

For this survey of APRNs, ages are calculated as of 12/31/98, based on the date of birth. For example, an APRN born on any date in 1958 is considered 40 years old.

2. “Main” Specialty and “Main” County (or other geographical area) determined independently

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

(Note 3 skipped intentionally)

4. Notes regarding tables listing provider Full Time Equivalent (FTE) and Hours by County (or HCA, or other areas):

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

Because of this inclusive approach taken in tallying provider across many practice locations, the numbers in the “Total” rows and “Total” columns will generally be less than the sum of the individual rows and columns. This applies to the county totals which sum the town-level provider counts, the state totals which sum the county-level counts, and the “Total” of primary and secondary care combined. Unlike the totals for the counts of providers, however, the numbers listed in the “Total” rows and “Total” columns for the “FTE” and “Hours” statistics *do* equal the sums of the individual items (except for rounding error).

(Notes 5 and 6 skipped intentionally)

7. Population Estimates

The population estimates are for 1998, but are re-estimates made after the 2000 census. They differ from previously published figures for 1998.

8. “Main” Setting and “Main” Specialty determined independently

Each provider's main practice setting and their main specialty are determined independently, and are used to determine the row and column in the table in which the provider will be counted. Secondary settings and specialties are ignored. A provider may practice their main specialty primarily in a setting other than their main overall setting, but that is ignored in this table.

9. **“Main” Setting, “Main” Specialty, “Main” County determined independently**

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

10. **Notes regarding Availability of Care**

The survey form allowed the provider to answer the “availability” questions (e.g., whether they accept new patients) separately for each site. Therefore, in the tables about availability of care, the unit of counting is neither the provider nor the site, but rather the provider - site association. More than one response per provider is tabulated if that provider reported working at more than one site, or reported providing care in more than one setting within the site (and therefore filled in two site sections, see the survey instruments, Appendix C). Each response is tabulated under the specialty reported, whether or not that is the provider’s main specialty.

The following specialties are excluded from the “participate in Medicare”, “accept Medicare patients” and “Unknown” statistics (both numerator and denominator): all pediatric and midwife specialties.

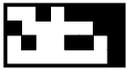
11. **Office settings only**

Only office settings are counted. Included are private practices (both solo and group), community health centers, and hospital outpatient clinics. Work in the School Nurse specialty, and emergency medicine reported as done in an office setting, are not counted.

(Notes 12 through 21 skipped intentionally)

22. **Patient Care Hours**

"Full Time" is defined here as 40 (or more) hours of direct patient care per week in Vermont. Average weekly hours were estimated for providers who work irregularly.



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VERMONT DEPARTMENT OF HEALTH Advanced Practice Nursing Survey

This survey is designed to assess the distribution of advanced practice nursing 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.

1

(Please print legibly using a dark blue or black pen and uppercase letters; fill in small check boxes entirely)

Vermont License Number

1 0 1 - 0 0 [] [] [] [] [] [] [] []

Gender

Male Female

Date of Birth:

Month: [] [] / Day: [] [] / Year: [] [] []

First Name

[] []

Middle Name

[] []

Last Name

[] []

Daytime Phone Number

[] [] [] [] - [] [] [] [] - [] [] [] [] [] [] [] []

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

1. Choose all of the activities that describe your practice as an Advanced Practice Nurse:
(Please fill in all the boxes below that apply)

- Provide patient care in Advanced Practice Nursing in Vermont
- Provide patient care in Advanced Practice Nursing outside Vermont
- Provide patient care in another nursing role in Vermont
- Retired from advanced practice nursing

**IF YOU DO NOT PROVIDE PATIENT CARE IN ADVANCED PRACTICE NURSING IN VERMONT,
PLEASE STOP HERE AND RETURN SURVEY**

2. What is the highest level of nursing education that you have completed? (Please fill in one box)

- Diploma
- ADN (Associate Degree in Nursing)
- BSN (Bachelor of Science in Nursing)
- MSN (Master of Science in Nursing)
- Doctoral Degree in Nursing
- Other: _____

3. Do you have another (non-nursing) degree(s)?
(Please fill in all that apply)

- Master of Public Health
- Master of Science (non-nursing)
- Master of Arts
- Bachelor of Arts
- Doctoral Degree (non-nursing)
- Other: _____

4. What is your Advanced Practice Nursing preparation? (Please fill in one box)

- Certificate
- MSN
- Other: _____

6. In what areas do you hold credentials as an Advanced Practice Nurse? (Please fill in all that apply)

Primary Care

- Adult
- Family
- Gerontology
- Midwifery
- Ob/Gyn (Women's Health)
- Pediatrics
- Other: _____

Specialty Care

- Acute or Emergency Care
- Anesthesiology
- Medical/Surgical
- Psych/Mental Health
- School
- Other: _____

5. What type of Advanced Practice Nurse are you? (Please fill in one box)

- Nurse Practitioner (NP)
- Certified Nurse Midwife (CNM)
- Clinical Nurse Specialist (CNS)
- Certified RN Anesthetist (CRNA)

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