

Vermont Department of Health

Advanced Practice
Registered Nurses (APRNs)

2019 Census

Statistical Report

2019 Advanced Practice Registered Nurses (APRNs) Census Statistical Report

State of Vermont
Phil Scott, Governor

Agency of Human Services
Mark Smith, Secretary

Department of Health
Mark Levine, MD, Commissioner

July 2020

Acknowledgments

This report would not have been possible without the cooperation of the Vermont Office of Professional Regulation. We gratefully acknowledge their assistance in the collection of this information.

We also wish to express our appreciation to all the APRNs who took the time and effort to complete our survey.

Contents

<u>Introduction</u>	1
<u>Summary</u>	2
 <u>Vermont APRNs' Demographic Characteristics</u>	
Table 1. Summary of Active APRNs	5
Table 2. Separate Summaries by APRN License Type	6
Table 3. Age by Specialty and Gender.....	7
Table 4. Education and Training	8
Table 5. Years in Practice as an APRN	9
 <u>Vermont APRNs' Distribution of Full Time Equivalents (FTEs)</u>	
Table 6. Full Time Equivalents (FTEs) by Age by Specialty and Gender	10
Table 7. Numbers of Primary Care Providers, Full Time Equivalents (FTEs), and Total Weekly Patient Care Hours, by County.....	11
Table 8. Numbers of Specialty Care Providers, Full Time Equivalents (FTEs), and Total Weekly Patient Care Hours, by County.....	12
Table 9. Primary Care Provider FTE to Population Ratios by County.....	13
 <u>Vermont APRNs' Practice Characteristics</u>	
Table 10. Detailed Specialty List.....	14
Table 11. FTEs by Practice Setting by Specialty.....	15
Table 12. Detailed Practice Settings	16
Table 13. Practice Setting by Age.....	17
Table 14. Average Patient Care Hours per Week, by Specialty and Age	18
Table 15. Practice Availability by Specialty.....	19
 <u>Vermont APRNs by Health Related Geographical Regions</u>	
Table 16. Numbers of Primary Care Providers, Full Time Equivalents (FTEs), and Total Weekly Patient Care Hours, by Local Health District	20
Table 17. Numbers of Specialty Care Providers, Full Time Equivalents (FTEs), and Total Weekly Patient Care Hours, by Local Health District	21
Table 18. Primary Care Provider FTE to Population Ratios by Local Health District	22

Comparison Between 2017 and 2019

Table 19. Changes in Number of APRNs by Specialty Group23
Table 20. Primary and Specialty Care Full Time Equivalentents (FTEs) by County24

Comparison Between 2002 and 2019

Table 21. Changes in Number of APRNs by Specialty Group25
Table 22. Primary and Specialty Care Full Time Equivalentents (FTEs) by County26

Appendices

A. General Notes and Terms 27
B. Notes for Specific Tables (referred to by number)..... 29
C. Census of APRNs - 2019 (survey form)..... 31
D. Map of Vermont Counties and Towns 37
E. Map of Local Health Districts 38

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. This 2019 report on advanced practice registered nurses (APRNs) practice in Vermont adds to those from 2017 and 2015, allowing us to examine trends over time. Prior to 2015, 2002 was the last time data on this population was collected. The data on APRNs and 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 advanced practice registered nurses (APRNs) who renewed their license as of the end of March 2019. A link to the online Workforce Census form was included in the online relicensing conducted by the Vermont Office of Professional Regulation. The questions asked are included in this report as Appendix C. Follow-up reminders were sent to those APRNs who did not respond to the census when relicensing. Practice data was collected on all but 3 potentially active APRNs relicensed at the time, thus the response rate was above 99%.

A total of 868 APRNs renewed their license in 2019. Included in this report are the 726 APRNs who are active in Vermont as APRNs. This includes 11 APRNs who work in areas such as administration or teaching, but do not provide direct clinical care. APRNs who renewed their Vermont licenses but did not work in Vermont are excluded from this report.

Similar data are collected from other health professionals, including physicians, dentists and mental health providers. Results from all of these surveys are available on the Department of Health web site, at healthvermont.gov/health-care-workforce-reports.

Limitations: The surveys were reviewed for accuracy and consistency during the data entry and processing phases. Missing and/or inconsistent data items 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. Email us at AHS.VDHPhysicianCensus@vermont.gov, write the Department of Health, Public Health Statistics, P.O. Box 70, Burlington, VT 05402, or call us at (802) 863-7300.

Summary

- This report includes data reported by 726 advanced practice registered nurses (APRNs) working in Vermont as of March 2019.
- 82% of APRNs are Nurse Practitioners. The rest are fairly evenly divided between Certified Nurse Midwives, Certified RN Anesthetists, and Clinical Nurse Specialists.
- 355 (49%) of the APRNs work mainly in primary care, including:
 - 82 - Adult Health
 - 134 - Family Health
 - 17 - Gerontology
 - 43 - Pediatric Primary Care
 - 12 - School Health
 - 67 - Primary Care Women's Health
- 371 (51%) of the APRNs provide mainly specialty care including:
 - 40 - Acute, Trauma or Critical Care
 - 51 - Anesthesiology
 - 90 - Mental Health
 - 58 - Specialty Adult, Family, Women's Health or Gerontology
 - 18 - Oncology
 - 114 - Other Specialties
- Ages range from 27 to 85 with a median age of 49.
- Years worked as APRN range from under 1 year to 45 with a median of 9. This number does not include the years (median=6) worked as an RN before becoming an APRN.
- 22% of the APRNs in primary care, and 34% of those in specialty care, are age 60 or older.
- 642 (89%) of the 726 APRNs are women.
- 51% of the women, and 35% of the men, practice primary care. 26% of the men practice anesthesiology, and 17% mental health.
- The 726 APRNs represent the equivalent of 493.9 full-time providers (FTEs, defined as 40 or more hours of patient care per week, 48 weeks per year). This includes 247.5 FTEs in primary care and 246.4 FTEs in specialty care. This does not include work other than direct patient care, such as administration, supervision, or teaching.
- 31% of the primary care FTEs and 33% of the specialty care FTEs are in Chittenden County.
- APRNs most often work in a physician/APRN group setting (26% of FTEs) or a hospital outpatient setting (23% of FTEs).
- 23% of all APRNs provide patient care full-time (40 hours per week or more). Another 34% provide between 30 and 40 hours of patient care per week. This does not include work other than direct patient care, such as administration, supervision, or teaching.
- Between 2017 and 2019, the number of APRNs in primary care increased from 328 to 355, and the number in specialty care increased from 289 to 371.
- Between 2017 and 2019, the percent of APRNs age 60 or more increased from 27% to 29%.

Comparison of Selected APRN Data, 2000-2019

	2000	2002	**	2015	2017	2019
Total active * APRNs	338	354		535	617	726
% over age 60	4%	6%		31%	27%	28%
Percent female	90%	91%		90%	88%	89%
Primary care APRNs	221	224		276	328	355
Adult Health	59	52			81	82
Family Health +	63	72		160	115	134
Gerontology	8	4		12	14	17
Pediatric Primary Care	25	22		29	34	43
Primary Care Women's Health	66	74		67	73	67
% over age 60	4%	7%		30%	25%	22%
% accept new patients	93%	96%		96%	97%	97%
accept new Medicaid patients	91%	91%		92%	95%	94%
accept new Medicare patients	89%	86%		94%	95%	92%
Specialist APRNs	117	130		259	289	371
Acute / Trauma	7	9		34	35	40
Anesthesia	36	34		41	45	51
Mental Health	38	37		61	78	90
Primary care FTEs	136.6	150.8		192.7	235.5	247.5
Adult Health	34.7	33.5			54.5	53.3
Family Health +	40.7	51.5		114.9	88.6	95.7
Gerontology	5.8	2.8		8.9	9.9	13.0
Pediatric Primary Care	13.2	13.2		20.7	23.2	28.9
Primary Care Women's Health	42.3	49.9		44.6	51.7	50.1
% over age 60	6%	5%		32%	30%	34%
FTEs/100,000 population	22.4	24.5		30.8	37.7	39.5
% of FTEs in Chittenden Co.	30%	29%		32%	30%	31%
Specialist FTEs	89.6	100.0		193.8	209.8	246.4
Acute / Trauma	5.9	8.0		27.8	27.5	30.7
Anesthesia	29.1	27.3		32.9	32.6	34.4
Mental Health	27.6	25.0		41.5	59.3	62.8
% of FTEs in Chittenden Co.	42%	51%		36%	35%	33%

* working as APRNs in Vermont

** comparable data are not available for 2003-2014

+ for 2015 "Family Health" included adult health and internal medicine

Table 1 -- VT APRNs, 2019
Summary of Active Nurse Practitioners

TOTAL	726	(100%)
License types: *		
Nurse Practitioner	592	(82%)
Clinical Nurse Specialist	31	(4%)
Certified Nurse Midwife	53	(7%)
Certified Nurse Anesthetist	50	(7%)
Main specialty:		
Primary Care	355	(49%)
Adult Health **	82	(11%)
Family Health	134	(18%)
Gerontology	17	(2%)
Pediatrics	43	(6%)
School Health	12	(2%)
Women's Health	67	(9%)
Specialty Care	371	(51%)
Acute / Trauma	40	(6%)
Adult Health	22	(3%)
Anesthesia	51	(7%)
Family Health	21	(3%)
Gerontology	4	(1%)
Mental Health	90	(12%)
Neonatal / Pediatrics	13	(2%)
Oncology	18	(2%)
Women's Health	11	(2%)
Other	101	(14%)
Age groups:		
younger than 40	192	(26%)
40 - 49	184	(25%)
50 - 59	144	(20%)
60 and older	206	(28%)
Gender:		
Male	82	(11%)
Female	642	(89%)
Patient care hours:		
less than 30 hours/week	307	(42%)
30 to 39 hours/week	249	(34%)
40 or more hours/week	170	(23%)
Other work hours:		
None	388	(53%)
less than 10 hours/week	208	(29%)
10 to 19 hours/week	66	(9%)
20 or more hours/week	64	(9%)
Number of practice sites:		
One	633	(87%)
Two	83	(11%)
Three or more	10	(1%)

* 17 NPs who also have another license type are excluded from the NP row.
Another 38 NPs missing license type data are counted as NPs in this table.

** includes Home Health

Table 2 -- VT Advanced Practice Nurses, 2019
Separate Summaries by APRN Type

APRN type *	NP	CNM	CNS	CRNA	TOTAL
	-----	-----	-----	-----	-----
TOTAL	592 (100%)	53 (100%)	31 (100%)	50 (100%)	726 (100%)
Age groups:					
younger than 35	168 (28%)	13 (25%)	. .	11 (22%)	192 (26%)
35 - 44	155 (26%)	17 (32%)	. .	12 (24%)	184 (25%)
45 - 54	118 (20%)	9 (17%)	5 (16%)	12 (24%)	144 (20%)
55 and older	151 (26%)	14 (26%)	26 (84%)	15 (30%)	206 (28%)
Gender:					
Male	55 (9%)	. .	5 (16%)	22 (44%)	82 (11%)
Female	536 (91%)	52 (100%)	26 (84%)	28 (56%)	642 (89%)
Patient care hours:					
40 or more hours/week	123 (21%)	16 (30%)	6 (19%)	24 (48%)	169 (23%)
30 to under 40 hrs/wk	213 (36%)	19 (36%)	9 (29%)	8 (16%)	249 (34%)
20 to under 30 hrs/wk	130 (22%)	6 (11%)	5 (16%)	4 (8%)	145 (20%)
less than 20 hrs/wk	126 (21%)	12 (23%)	11 (35%)	13 (26%)	162 (22%)
Main specialty:					
Primary Care Total	309 (52%)	45 (85%)	1 (3%)	. .	355 (49%)
Adult Health	80 (14%)	1 (2%)	1 (3%)	. .	82 (11%)
Family Health	130 (22%)	4 (8%)	. .	. .	134 (18%)
Gerontology	17 (3%)	. .	. .	. .	17 (2%)
Pediatrics	43 (7%)	. .	. .	. .	43 (6%)
School Health	12 (2%)	. .	. .	. .	12 (2%)
Women's Health	27 (5%)	40 (75%)	. .	. .	67 (9%)
Specialty Care Total	283 (48%)	8 (15%)	30 (97%)	50 (100%)	371 (51%)
Acute / Trauma	40 (7%)	. .	. .	. .	40 (6%)
Adult Health	22 (4%)	. .	. .	. .	22 (3%)
Anesthesia	3 (1%)	. .	. .	48 (96%)	51 (7%)
Family Health	20 (3%)	1 (2%)	. .	. .	21 (3%)
Gerontology	4 (1%)	. .	. .	. .	4 (1%)
Mental Health	63 (11%)	2 (4%)	25 (81%)	. .	90 (12%)
Oncology	16 (3%)	. .	2 (6%)	. .	18 (2%)
Pediatrics/Neonatal	13 (2%)	. .	. .	. .	13 (2%)
Women's Health	8 (1%)	3 (6%)	. .	. .	11 (2%)
Other	94 (16%)	2 (4%)	3 (10%)	2 (4%)	101 (14%)

* Note: 17 NPs who also have another license type are excluded from the NP row.
Another 38 NPs missing license type data are counted as NPs in this table.
Percentages displayed are within each column.

NP = Nurse Practitioner
CNM = Certified Nurse Midwife
CNS = Clinical Nurse Specialist
CRNA = Certified RN Anesthetist

Table 3 -- VT APRNs, 2019
Age by Specialty and Gender

	Total	APRNs in Age Group				Age 60+
		<40	40-49	50-59	60+	(%)
NP *	592	168	155	118	151	26%
CNS	31	.	.	5	26	84%
CNM	53	13	17	9	14	26%
CRNA	50	11	12	12	15	30%
Primary Care:	355	105	97	74	79	22%
		(30%)	(27%)	(21%)	(22%)	
Adult Health	82	22	18	21	21	26%
Family Health	134	39	42	25	28	21%
Gerontology	17	4	5	4	4	24%
Pediatrics	43	11	11	11	10	23%
School Health	12	5	2	2	3	25%
Women's Health	67	24	19	11	13	19%
MALES	29	11	7	9	2	7%
FEMALES	325	94	90	64	77	24%
Specialty Care:	371	87	87	70	127	34%
		(23%)	(23%)	(19%)	(34%)	
Acute / Trauma	40	14	14	6	6	15%
Adult Health	22	8	4	4	6	27%
Anesthesia	51	11	14	12	14	27%
Family Health	21	4	6	5	6	29%
Gerontology	4	.	1	1	2	50%
Mental Health	90	12	19	18	41	46%
Oncology	18	2	6	3	7	39%
Pediatrics/Neonatal	13	4	2	3	4	31%
Women's Health	11	3	3	1	4	36%
Other	101	29	18	17	37	37%
MALES	53	12	18	6	17	32%
FEMALES	317	75	69	64	109	34%

* 17 NPs who also have another license type are excluded from the NP row.
NPs missing license type data are counted as NPs in this table.
APRNs are counted in their main practiced specialty group.
See Note 1 for a description of the calculations of ages.

Table 4 -- VT APRNs, 2019
Education and Training

	PRIMARY CARE	SPECIALTY CARE
	-----	-----
TOTAL	355	371
Region where trained as an RN:		
VT	37%	28%
NH	5%	5%
Other New England	25%	25%
Other Northeast	14%	19%
South	11%	11%
Central	4%	6%
West	4%	5%
Foreign	1%	1%
unknown	4	3
Hold credentials as an APRN in:		
Adult Health	19%	20%
Family Health	57%	33%
Pediatrics	6%	2%
Neonatal	0%	3%
Gerontology	9%	7%
Midwifery	12%	2%
Women's health	8%	3%
Mental health	1%	19%
Anesthesiology	0%	13%
other	1%	9%

APRNs are counted in their main practiced specialty group. This table uses the standard mapping of states to regions, but separates out VT and NH (Note 7).

Table 5 -- VT APRNs, 2019
 Years in Practice as an APRN

In Practice *	PRIMARY CARE	SPECIALTY CARE
less than a year	5 (2%)	4 (1%)
1 to 2 years	54 (16%)	36 (11%)
3 to 4 years	52 (16%)	32 (10%)
5 to 9 years	71 (22%)	76 (23%)
10 to 14 years	39 (12%)	40 (12%)
15 to 19 years	38 (12%)	35 (11%)
20 to 24 years	34 (10%)	44 (14%)
25 to 29 years	10 (3%)	22 (7%)
30 years or more	27 (8%)	35 (11%)
unknown	25	47
Total	355	371

* Not including years worked as an RN before becoming an APRN.

APRNs are counted in their main practiced specialty group.

Table 6 -- VT APRNs, 2019
FTE by Age by Specialty and Gender

	Total	FTEs in Age Group				Age 60+
		<40	40-49	50-59	60+	(%)
NP *	401.7	124.6	109.3	82.9	85.0	21%
CNS	19.3	.	.	3.2	16.1	83%
CNM	37.6	10.1	12.9	6.5	8.0	21%
CRNA	35.3	7.5	8.7	7.2	11.8	34%
Primary Care:	247.5	77.6	73.2	50.2	46.4	19%
		(31%)	(30%)	(20%)	(19%)	
Adult Health	53.3	17.1	13.3	12.8	10.2	19%
Family Health	95.7	29.5	31.6	18.0	16.7	17%
Gerontology	13.0	3.3	3.9	2.5	3.3	25%
Pediatrics	28.9	7.0	8.4	8.0	5.5	19%
School Health	6.5	3.3	1.1	.8	1.3	20%
Women's Health	50.1	17.5	15.0	8.1	9.5	19%
MALES	23.1	8.9	5.6	7.6	1.0	4%
FEMALES	223.6	68.7	67.6	41.8	45.4	20%
	.8	.	.	.8	.	0%
Specialty Care:	246.4	64.5	57.7	49.7	74.5	30%
		(26%)	(23%)	(20%)	(30%)	
Acute / Trauma	30.7	10.1	10.6	4.9	5.1	17%
Adult Health	14.0	7.1	2.4	2.9	1.7	12%
Anesthesia	34.4	7.5	8.9	7.2	10.8	31%
Family Health	14.7	2.4	4.1	3.7	4.5	30%
Gerontology	1.9	.	1.0	.9	.	0%
Mental Health	62.8	9.4	12.7	13.5	27.1	43%
Oncology	10.5	1.8	3.9	1.4	3.5	33%
Pediatrics/Neonatal	6.9	1.6	1.0	1.9	2.4	35%
Women's Health	3.5	2.1	1.0	.	.5	13%
Other	66.8	22.6	12.0	13.3	18.9	28%
MALES	40.9	8.7	13.4	4.5	14.3	35%
FEMALES	205.0	55.8	44.3	45.2	59.7	29%

* NPs who also have another license type are excluded from the NP row. The FTEs of NPs missing license type data are counted in the NP row. Partial FTEs are counted in each specialty group an APRN practices. See Note 1 for a description of the calculations of ages. See Appendix A for the definition of FTE.

Table 7 -- VT APRNs, 2019
 Numbers of Primary Care Providers, Patient Care Full Time
 Equivalents (FTEs), and Total Weekly Work Hours, by County

Count FTEs Hours	PRIMARY CARE TOTAL	ADULT HEALTH	FAMILY HEALTH	PEDIA -TRIC	WOMEN'S HEALTH	GERONT -OLOGY	SCHOOL HEALTH
STATEWIDE TOTAL	369 247.5 12110	88 53.3 2721	141 95.7 4579	44 28.9 1373	72 50.1 2457	20 13.0 642	14 6.5 338
Addison	24 13.9 701	5 2.8 156	8 3.7 171	3 2.0 81	6 4.1 227	. . . . .	2 1.3 67
Bennington	16 9.6 512	6 2.8 120	6 4.1 247	3 1.8 111	2 .8 34	.. .. .	.. .. .
Caledonia	24 18.1 844	3 2.3 118	12 8.8 422	3 2.3 92	5 3.9 180	1 .8 32	.. .. .
Chittenden	122 76.1 3766	34 18.5 926	30 18.5 900	19 11.5 566	26 19.3 970	8 4.5 205	9 3.9 198
Essex	1 .9 35	. . . . .	1 .9 35	.. .. .	.. .. .	.. .. .	.. .. .
Franklin	18 11.6 509	6 4.0 182	9 6.0 259	1 .2 8	2 .7 31	2 .7 29	.. .. .
Grand Isle	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .	.. .. .
Lamoille	11 7.9 339	. . . . .	5 2.9 124	1 .9 36	5 4.2 179	.. .. .	.. .. .
Orange	20 13.2 644	3 1.6 78	7 4.7 243	5 2.8 121	5 4.1 201	.. .. .	.. .. .
Orleans	10 7.5 383	. . . . .	7 5.4 265	2 1.1 75	1 1.0 43	.. .. .	.. .. .
Rutland	30 24.6 1300	4 3.8 321	17 14.2 650	2 1.9 74	3 1.0 69	4 3.8 187	.. .. .
Washington	35 20.6 974	8 6.6 312	16 9.3 428	2 1.4 71	7 2.1 97	2 1.2 66	.. .. .
Windham	31 20.2 1032	5 3.7 174	10 6.4 367	2 1.4 74	11 7.3 345	. . . . .	3 1.4 73
Windsor	32 21.3 990	12 6.5 299	13 9.8 429	2 1.6 64	3 1.5 74	3 2.0 124	.. .. .

In this table APRNs may be counted more than once (Note 3).

Table 8 -- VT APRNs, 2019
 Numbers of Specialty Care Providers, Patient Care Full Time
 Equivalents (FTEs), and Total Weekly Work Hours, by County

Count FTEs Hours	SPECIALTY CARE TOTAL	ACUTE CARE	ANESTHE -SIOLOGY	ADULT & FAMILY	MENTAL HEALTH	ALL OTHER
STATEWIDE TOTAL	388 246.4 12082	45 30.7 1378	51 34.4 1633	46 28.8 1424	95 62.8 3032	161 89.6 4616
Addison	16 11.6 576	1 .8 34	5 4.1 168	1 1.0 72	3 2.4 129	6 3.3 173
Bennington	30 15.8 730	4 2.9 131	2 .8 33	5 4.4 197	4 1.4 68	16 6.1 301
Caledonia	34 19.0 931	2 1.1 44	9 4.9 251	2 1.6 93	8 4.0 190	14 7.3 352
Chittenden	121 80.2 4159	9 8.4 397	15 11.7 575	8 5.2 303	28 18.6 904	62 36.5 1980
Essex	1 .3 13	. .3 .	. .3 .	. .3 .	1 .3 13	. .3 .
Franklin	19 12.5 556	7 4.7 195	2 2.0 90	4 1.9 76	2 .9 44	4 3.0 151
Grand Isle	1 <.05 2	. .3 .	. .3 .	. .3 .	1 <.05 2	. .3 .
Lamoille	23 13.8 623	2 .1 6	9 4.3 197	1 1.0 41	6 3.9 191	5 4.5 189
Orange	11 5.8 258	2 1.0 44	. .3 .	1 .2 11	5 2.7 130	3 1.8 73
Orleans	5 2.7 118	. .3 .	. .3 .	. .3 .	2 1.9 82	3 .9 36
Rutland	41 24.7 1209	5 4.0 179	9 4.5 181	3 .4 20	10 7.9 415	14 7.9 415
Washington	36 20.7 965	7 3.5 158	3 1.1 46	6 3.6 176	10 6.0 296	12 6.5 287
Windham	34 21.5 982	5 2.9 136	. .3 .	6 4.1 180	18 10.6 485	9 3.9 181
Windsor	29 11.0 649	3 1.4 55	4 1.0 92	3 .8 54	4 2.1 85	15 5.7 363

In this table APRNs may be counted more than once (Note 3). Here "Adult & Family" includes Gerontology, and "Acute" includes Trauma. FTEs only include patient care, but Hours include all activities.

Table 9 -- VT APRNs, 2019
 Primary Care Provider FTE to Population Ratios by County

County	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	247.5	626,299	39.5	2,530
Addison	13.9	36,973	37.6	2,657
Bennington	9.6	35,631	27.0	3,710
Caledonia	18.1	30,302	59.8	1,672
Chittenden	76.1	164,572	46.3	2,162
Essex	.9	6,250	13.9	7,212
Franklin	11.6	49,421	23.5	4,247
Grand Isle	.	7,090	.	.
Lamoille	7.9	25,300	31.4	3,184
Orange	13.2	28,999	45.7	2,190
Orleans	7.5	26,907	27.8	3,594
Rutland	24.6	58,672	41.9	2,385
Washington	20.6	58,140	35.4	2,825
Windham	20.2	42,756	47.1	2,121
Windsor	21.3	55,286	38.4	2,601

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

Population estimates are from the Census Bureau for July 2018 (see note 4).

Table 10 -- VT APRNs, 2019
Detailed Specialty List

Specialty	Count of APRNs Working in Specialty		
	As Main Specialty	As Secondary Specialty	TOTAL FTEs
TOTAL	726		493.9
Primary Care:			
Adult Health	79	3	51.2
Family Health	134	7	95.7
Gerontology	17	3	13.0
Home Health	3	3	2.2
Pediatrics	43	1	28.9
School Health	12	2	6.5
Women's Health	67	5	50.1
Specialty Care:			
Acute / Critical Care	29	4	23.2
Adult Health	22	2	14.0
Anesthesia	51	.	34.4
Cardiology	12	3	10.5
Endocrinology	3	1	2.4
Family Health	21	1	14.7
Gerontology	4	1	1.9
Medical Surgical	8	1	5.8
Mental Health	90	5	62.8
Neonatal	10	.	6.2
Occupational Health	12	.	6.0
Oncology	18	.	10.5
Orthopedics	13	.	11.1
Palliative Care	9	3	4.1
Pediatrics	3	.	.8
Public Health	1	.	<.05
Trauma / ER	11	3	7.5
Women's Health	11	1	3.5
Other	43	10	26.9

See Appendix A for the definition of 'FTE'.

Table 11 -- VT APRNs, 2019
 FTEs by Practice Setting by Specialty

Specialty	FTEs in Practice Setting					
	Physician /APRN	APRN Practice	Other Clinic	Hospital Inpatient	Hospital Outpatient	All Others
Total	129.8	28.2	92.1	39.5	115.6	88.6
Primary Care	99.1	18.0	57.0	.	43.8	29.7
Adult Health	19.1	6.0	14.4	.	5.7	8.1
Family Health	46.2	7.9	29.9	.	8.8	2.9
Gerontology	1.9	.	.5	.	.3	10.3
Pediatrics	17.3	.1	1.7	.	7.9	1.9
School Health	.	.	.	.	.	6.5
Women's Health	14.6	3.9	10.5	.	21.1	<.05
Specialty Care	30.7	10.2	35.1	39.5	71.9	58.9
Acute / Trauma	.1	.	10.0	10.4	5.8	4.5
Adult Health	.	.	.6	2.1	.	11.3
Anesthesia	5.2	1.5	.	3.9	23.8	<.05
Family Health	.	.	10.7	1.5	.	2.5
Gerontology	.	.	.	<.05	.	1.9
Mental Health	7.5	8.4	10.2	5.3	6.8	24.8
Oncology	2.9	.	.	.	7.6	.
Pediatrics/Neonatal	.	.	.	6.7	.	.3
Women's Health	.	.	.	.5	.	3.0
Other	15.1	.3	3.6	9.1	27.9	10.7

All worksites and specialties of each APRN are counted in this table.
 'Other Clinic' is ambulatory settings other than private offices.
 'All Others' includes schools, mental health clinics, nursing homes, etc.
 See Appendix A for the definitions of 'primary care' and 'FTE'.

Table 12 -- VT APRNs, 2019
Detailed Practice Settings

Practice Setting	Primary Care		Specialty Care	
	FTEs	Percent	FTEs	Percent
TOTAL	247.5	100%	246.4	100%
Academic Setting	.	.	.5	0%
APRN Practice - group	13.0	5%	1.5	1%
APRN Practice - solo	5.0	2%	8.7	4%
Community Health Center	57.0	23%	13.5	5%
Correctional Facility	.	.	5.6	2%
Home Health	5.7	2%	.2	0%
Hospital Emergency Department	.	.	5.7	2%
Hospital In- & Outpatient	22.1	9%	43.4	18%
Hospital Inpatient Department	.	.	39.5	16%
Hospital Outpatient Department	21.7	9%	28.4	12%
Mental Health Facility	2.5	1%	14.8	6%
Nursing Home/Extended Care	11.2	5%	.2	0%
Occupational Health	.	.	6.7	3%
Physician/APRN Practice	99.1	40%	30.7	12%
Public Health	.	.	1.1	0%
School or College-Based Clinic	10.3	4%	.1	0%
Urgent Care / Walk in	.	.	21.6	9%
Other setting	.	.	24.0	10%

For each practice setting, this table counts the number of active APRN FTEs, separately for primary and specialty care. The percentages are based on the TOTAL line. See Appendix A for the definition of 'FTE'.

Table 13 -- VT APRNs, 2019
Practice Setting by Age

Practice Setting	Total	Number in Age Group		
		under 40	40-59	60 and older
TOTAL	726 (100%)	192	328	206
Academic Setting	5 (1%)	.	3	2
APRN Practice - group	26 (4%)	4	16	6
APRN Practice - solo	25 (3%)	3	10	12
Community Health Center	102 (14%)	33	41	28
Correctional Facility	7 (1%)	.	5	2
Home Health	9 (1%)	2	5	2
Hospital Emergency Department	8 (1%)	3	3	2
Hospital In- & Outpatient	84 (12%)	21	43	20
Hospital Inpatient Department	59 (8%)	24	20	15
Hospital Outpatient Department	72 (10%)	19	33	20
Mental Health Facility	26 (4%)	4	9	13
Nursing Home/Extended Care	17 (2%)	2	8	7
Occupational Health	13 (2%)	4	5	4
Physician/APRN Practice	179 (25%)	51	86	42
Public Health	5 (1%)	.	2	3
School or College-Based Clinic	19 (3%)	5	8	6
Urgent Care / Walk in	27 (4%)	8	15	4
Other setting	43 (6%)	9	16	18

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

Table 14 -- VT APRNs, 2019
Average Patient Care Hours per Week,
by Specialty and Age

Main Specialty	Total APRNs	Average Hours per Week				
		Patient Care				Other Hours
		All Ages	Age < 40	Age 40-59	Age 60+	All Ages
Primary Care:	355	29	30	30	24	6
Adult Health	82	27	31	28	20	7
Family Health	134	29	30	30	25	5
Gerontology	17	37	38	38	31	4
Pediatrics	43	27	25	29	22	5
School Health	12	22	27	22	16	6
Women's Health	67	31	30	32	28	6
Specialty Care:	371	28	30	29	24	5
Acute / Trauma	40	31	29	31	32	2
Adult Health	22	29	35	34	14	7
Anesthesia	51	29	28	28	32	3
Family Health	21	34	39	35	30	1
Mental Health	90	28	29	29	27	5
Neonatal / Pediatrics	13	23	16	27	24	2
Oncology	18	24	.	24	21	1
Other	116	25	31	27	19	8

In each cell with fewer than 3 people an average is not displayed.

See Note 1 for description of the calculation of age.

Table 15 -- VT APRNs, 2019
Practice Availability by Specialty

Specialty	FTEs	Accept New Patients	Participate in Medicaid	Accept New Medicaid Patients	Participate in Medicare	Accept New Medicare Patients
		(%)	(%)	(%)	(%)	(%)
TOTAL	353.7	97%	98%	94%	97%	92%
PRIMARY CARE	220.3	97%	98%	94%	97%	92%
Adult Health	47.6	89%	96%	83%	93%	83%
Family Health	92.9	97%	97%	94%	97%	91%
Gerontology	2.7	100%	100%	100%	100%	100%
Pediatrics	27.0	100%	99%	99%	n.a.	n.a.
Women's Health	50.1	100%	100%	100%	100%	100%
SPECIALTY CARE	133.4	98%	99%	94%	97%	93%
Anesthesia	30.5	100%	100%	88%	100%	88%
Mental Health	47.6	99%	97%	96%	93%	93%
Oncology	10.5	91%	100%	91%	100%	91%
Other	44.8	98%	99%	97%	99%	96%

Each site a APRN practices in is counted, weighed by FTEs.
Only office settings are included (Note 6).
Denominators for percentages do not include unknowns and 'n/a'.
See Appendix A for the definition of FTE.

Table 16 -- VT APRNs, 2019
 Numbers of Primary Care Providers, Patient Care Full Time
 Equivalents (FTEs), and Total Weekly Work Hours, by Local Health District

Count FTEs Hours	PRIMARY CARE TOTAL	ADULT HEALTH	FAMILY HEALTH	PEDIA -TRIC	WOMEN'S HEALTH	GERONT -OLOGY	SCHOOL HEALTH
STATEWIDE TOTAL	369 247.5 12110	88 53.3 2721	141 95.7 4579	44 28.9 1373	72 50.1 2457	20 13.0 642	14 6.5 338
Barre	35 20.6 974	8 6.6 312	16 9.3 428	2 1.4 71	7 2.1 97	2 1.2 66	. . .
Bennington	16 9.6 512	6 2.8 120	6 4.1 247	3 1.8 111	2 .8 34	...	...
Brattleboro	31 20.2 1032	5 3.7 174	10 6.4 367	2 1.4 74	11 7.3 345	. . .	3 1.4 73
Burlington	122 76.1 3766	34 18.5 926	30 18.5 900	19 11.5 566	26 19.3 970	8 4.5 205	9 3.9 198
Middlebury	24 13.9 701	5 2.8 156	8 3.7 171	3 2.0 81	6 4.1 227	. . .	2 1.3 67
Morrisville	14 10.0 435	. . .	8 4.9 220	1 .9 36	5 4.2 179	...	...
Newport	11 8.4 417	. . .	8 6.2 299	2 1.1 75	1 1.0 43	...	...
Rutland	30 24.6 1300	4 3.8 321	17 14.2 650	2 1.9 74	3 1.0 69	4 3.8 187	. . .
Springfield	13 9.3 438	2 1.3 71	7 5.6 230	. . .	1 .9 53	3 1.5 84	. . .
St. Albans	18 11.6 509	6 4.0 182	9 6.0 259	1 .2 8	2 .7 31	2 .7 29	. . .
St. Johnsbury	22 17.0 789	3 2.3 118	10 7.7 367	3 2.3 92	5 3.9 180	1 .8 32	. . .
Wht Rvr Jct	39 24.4 1155	13 6.8 307	12 8.1 401	7 4.4 185	7 4.6 222	1 .5 40	. . .

In this table APRNs may be counted more than once (Note 3).
 FTEs only include patient care, but Hours include all activities.

Table 17 -- VT APRNs, 2019
 Numbers of Specialty Care Providers, Patient Care Full Time
 Equivalents (FTEs), and Total Weekly Work Hours, by Local Health District

Count FTEs Hours	SPECIALTY CARE TOTAL	ACUTE CARE	ANESTHE -SIOLOGY	ADULT & FAMILY	MENTAL HEALTH	ALL OTHER
STATEWIDE TOTAL	388 246.4 12082	45 30.7 1378	51 34.4 1633	46 28.8 1424	95 62.8 3032	161 89.6 4616
Barre	38 21.4 1013	7 3.5 158	3 1.1 46	6 3.6 176	12 6.7 345	12 6.5 287
Bennington	30 15.8 730	4 2.9 131	2 .8 33	5 4.4 197	4 1.4 68	16 6.1 301
Brattleboro	28 17.8 814	5 2.9 136	. . . .	5 3.1 140	15 8.3 385	7 3.5 153
Burlington	121 80.2 4159	9 8.4 397	15 11.7 575	8 5.2 303	28 18.6 904	62 36.5 1980
Middlebury	16 11.6 576	1 .8 34	5 4.1 168	1 1.0 72	3 2.4 129	6 3.3 173
Morrisville	25 14.5 650	2 .1 6	9 4.3 197	1 1.0 41	7 4.5 215	6 4.6 192
Newport	6 2.8 121	. . . .	. . . .	. . . .	3 2.0 89	3 .8 33
Rutland	41 24.7 1209	5 4.0 179	9 4.5 181	3 .4 20	10 7.9 415	14 7.9 415
Springfield	25 12.4 656	3 1.4 55	4 1.0 92	3 1.0 46	6 4.3 180	9 4.7 284
St. Albans	20 12.5 557	7 4.7 195	2 2.0 90	4 1.9 76	3 .9 46	4 3.0 151
St. Johnsbury	36 19.2 940	2 1.1 44	9 4.9 251	2 1.6 93	9 4.2 196	15 7.4 355
Wht Rvr Jct	17 6.7 343	2 1.0 44	. . . .	2 1.0 59	3 1.6 62	10 3.1 178

In this table APRNs may be counted more than once (Note 3). Here "Adult & Family" includes Gerontology, and "Acute" includes Trauma. FTEs only include patient care, but Hours include all activities.

Table 18 -- VT APRNs, 2019
 Primary Care Provider FTE to Population Ratios
 by Local Health District

District	FTEs	Population	FTEs per 100,000	Population per FTE
STATEWIDE TOTAL	247.5	626,299	39.5	2,530
Barre	20.6	65,421	31.5	3,179
Bennington	9.6	35,631	27.0	3,710
Brattleboro	20.2	34,966	57.6	1,735
Burlington	76.1	164,540	46.3	2,162
Middlebury	13.9	36,843	37.8	2,647
Morrisville	10.0	31,158	32.0	3,125
Newport	8.4	27,804	30.0	3,328
Rutland	24.6	58,834	41.8	2,391
Springfield	9.3	32,743	28.3	3,537
St. Albans	11.6	56,511	20.6	4,856
St. Johnsbury	17.0	34,055	49.8	2,007
Wht Rvr Jct	24.4	47,793	51.0	1,961

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

Population estimates are from the Census Bureau for July 2018 (see note 4).

Table 19 -- VT APRNs, 2017 and 2019
 Changes in Number of APRNs, Patient Care Hours
 and Specialties, between 2017 and 2019

	2017	2019	Change	
TOTAL	617	726	+109	+18%
Main specialty:				
Primary Care:	328	355	+27	+8%
Adult Health	81	82	+1	+1%
Family Health	115	134	+19	+17%
Gerontology	14	17	+3	+21%
Pediatrics	34	43	+9	+26%
School Health	11	12	+1	+9%
Women's Health	73	67	-6	-8%
Specialty Care:	289	371	+82	+28%
Acute / Trauma	35	40	+5	+14%
Adult Health	8	22	+14	+175%
Anesthesia	45	51	+6	+13%
Family Health	12	21	+9	+75%
Gerontology	2	4	+2	+100%
Mental Health	78	90	+12	+15%
Oncology	16	18	+2	+13%
Pediatrics/Neonatal	10	13	+3	+30%
Women's Health	5	11	+6	+120%
Other	78	101	+23	+29%
Age groups:				
younger than 40	170	192	+22	+13%
40 - 49	132	184	+52	+39%
50 - 59	147	144	-3	-2%
60 and older	168	206	+38	+23%
Gender:				
Male	73	82	+9	+12%
Female	543	642	+99	+18%
Patient care hours:				
40 or more hours/week	171	170	-1	-1%
30 to under 40 hours/week	220	249	+29	+13%
less than 30 hours/week	226	307	+81	+36%

Table 20 -- VT APRNs, 2017 and 2019
Full Time Equivalents (FTEs) by County

PRIMARY CARE:	2017	2019	Change
	<hr/>	<hr/>	<hr/>
STATEWIDE TOTAL	235.5	247.5	+12.0
Addison	11.1	13.9	+2.8
Bennington	13.3	9.6	-3.7
Caledonia	16.5	18.1	+1.6
Chittenden	69.8	76.1	+6.3
Essex	1.6	.9	-.7
Franklin	12.1	11.6	-.5
Grand Isle	.1	.	-.1
Lamoille	7.8	7.9	+.1
Orange	10.9	13.2	+2.3
Orleans	10.3	7.5	-2.8
Rutland	20.7	24.6	+3.9
Washington	16.7	20.6	+3.9
Windham	20.6	20.2	-.4
Windsor	21.3	21.3	.
SPECIALTY CARE:	2017	2019	Change
	<hr/>	<hr/>	<hr/>
STATEWIDE TOTAL	209.8	246.4	+36.6
Addison	11.2	11.6	+.4
Bennington	9.9	15.8	+5.9
Caledonia	13.3	19.0	+5.7
Chittenden	72.9	80.2	+7.3
Essex	.	.3	+.3
Franklin	15.3	12.5	-2.8
Grand Isle	<.05	<.05	.
Lamoille	14.0	13.8	-.2
Orange	5.6	5.8	+.2
Orleans	2.3	2.7	+.4
Rutland	17.4	24.7	+7.3
Washington	15.0	20.7	+5.7
Windham	17.9	21.5	+3.6
Windsor	14.2	11.0	-3.2

Table 21 -- VT APRNs, 2002 and 2019
 Changes in Number of APRNs, Patient Care Hours
 and Specialties, between 2002 and 2019

	2002	2019	Change	
	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	354	726	+372	+105%
Main specialty:				
Primary Care:	229	355	+126	+55%
Adult Health	52	82	+30	+58%
Family Health	72	134	+62	+86%
Gerontology	4	17	+13	+325%
Pediatrics	22	43	+21	+95%
School Health	5	12	+7	+140%
Women's Health	74	67	-7	-9%
Specialty Care:	125	371	+246	+197%
Acute/Trauma	9	40	+31	+344%
Anesthesia	34	51	+17	+50%
Mental Health	37	90	+53	+143%
Other	45	190	+45	+322%
Age groups:				
younger than 40	63	192	+129	+205%
40 - 49	146	184	+38	+26%
50 - 59	123	144	+21	+17%
60 and older	21	206	+185	+881%
Gender:				
Male	32	82	+50	+156%
Female	322	642	+320	+99%
Patient care hours:				
40 or more hours/week	118	170	+52	+44%
30 to under 40 hours/week	83	249	+166	+200%
less than 30 hours/week	153	307	+154	+101%

Table 22 -- VT APRNs, 2002 and 2019
Full Time Equivalents (FTEs) by County

PRIMARY CARE:	2002	2019	Change
	<hr/>	<hr/>	<hr/>
STATEWIDE TOTAL	150.8	247.5	+96.7
Addison	5.4	13.9	+8.5
Bennington	8.2	9.6	+1.4
Caledonia	9.8	18.1	+8.3
Chittenden	43.9	76.1	+32.2
Essex	.9	.9	.
Franklin	3.2	11.6	+8.4
Grand Isle	.5	.	-.5
Lamoille	8.5	7.9	-.6
Orange	6.9	13.2	+6.3
Orleans	4.9	7.5	+2.6
Rutland	13.5	24.6	+11.1
Washington	11.6	20.6	+9.0
Windham	18.9	20.2	+1.3
Windsor	14.5	21.3	+6.8
SPECIALTY CARE:	2002	2019	Change
	<hr/>	<hr/>	<hr/>
STATEWIDE TOTAL	100.0	246.4	+146.4
Addison	3.5	11.6	+8.1
Bennington	6.8	15.8	+9.0
Caledonia	5.6	19.0	+13.4
Chittenden	50.8	80.2	+29.4
Essex	.	.3	+.3
Franklin	2.9	12.5	+9.6
Grand Isle	.2	<.05	-.2
Lamoille	1.4	13.8	+12.4
Orange	.8	5.8	+5.0
Orleans	1.0	2.7	+1.7
Rutland	10.0	24.7	+14.7
Washington	6.1	20.7	+14.6
Windham	5.0	21.5	+16.5
Windsor	6.1	11.0	+4.9

Appendix A. General Notes and Terms

Definition of Active APRN

An APRN who was relicensed for the period 2019-2020 in Vermont, and who provided patient care hours in Vermont as reported in the survey, is considered an active APRN.

APRNs not represented in these tables

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

Specialties

APRNs reported their specialties using a predefined list. See Table 9 for the exact specialties reported. For the rest of the tables some of the detailed specialties were grouped, e.g., Home Health is included in Adult Health.

Primary Care

Specialties counted as primary care included: adult and family health, gerontology, home care, pediatrics, school health, and womens' health. But only care provided in appropriate settings was counted as Primary Care: included extended care and schools, but excluded urgent care / walk-in centers, hospital inpatient and ED, occupational, corrections and public health.

Determination of an APRN's main specialty

An APRN's "main" specialty is the specialty group in which the APRN works the most hours.

Definition of Full Time Equivalent (FTE)

The work of many APRNs includes many hours in activities other than direct patient care, such as administration, supervision, and teaching. FTEs in this report only reflect direct patient care. The few tables that list hours, in addition to FTEs, include other activities in the hours.

For the purpose of computing FTEs, full time was defined as 40 patient care hours (or more) per week, for 48 weeks per year. Reported hours per week were adjusted to an annual average. E.g., if 52 weeks were reported, the hours were multiplied by 52/48. An APRN reporting more than 40 (adjusted) patient care 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	52	10	0.27
	Specialty Care	52	10	0.27
	Total		20	0.54
Example 2:	Primary Care	52	20	0.50
	Specialty Care	52	20	0.50
	Total		40	1.00
Example 3:	Primary Care	48	35	0.50
	Specialty Care	24	70	0.50
	Total		70	1.00

In the first example, the APRN works half-time and has hours split equally between primary and specialty care. The number of weeks is more than 48 so the FTEs are adjusted upwards. The pattern is the same in Example 2, 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 third example the person 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.

Determination of an APRN’s main County (or other area)

Main county is the county in which the APRN practices the greatest number of patient care hours. Similarly for main district, 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 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 and gender). 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

1. Calculation of Age

Ages are computed as 2019 minus the year of the DOB.

(note 2 skipped intentionally)

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

These tables count each APRN who provides care in that county or area. The same APRN may be counted in more than one area, and in more than one specialty.

Because of this inclusive approach taken in tallying APRNs 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 APRN counts, the state totals which sum the area-level counts, and the “Total” of specialties combined. Unlike the totals for the counts of APRNs, 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 errors).

See also Note 8 regarding the calculation of weekly hours and FTEs.

4. Population Estimates

Population estimates are for July 1, 2018, as released by the Census Bureau. Estimates for 2019 are not yet available at time of publication.

(note 5 skipped intentionally)

6. Notes regarding Availability of Care

The survey form allowed the APRN to answer the questions whether they accept new patients (“availability”) separately for each site.

The following settings are included as “office settings”: Physician / APRN practices, independent APRN practices, community health centers, mental health clinics, hospital outpatient, hospital in-and-outpatient, and other ambulatory settings – but excluding urgent care / walk-in.

The following specialties are excluded: acute care, community health, occupational health, public health, school health, and trauma. Pediatrics excluded from the “accept Medicare patients” statistic.

7. **Geographical Regions** - States were grouped into the following regions:
New England: ME, NH, VT, MA, CT, RI
Other Northeast: 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
8. **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, on average, in Vermont. Average weekly hours (and FTEs), based on 48 weeks per year, were computed for APRNs 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 APRNs provide additional patient care outside Vermont, and most do other types of work besides direct patient care.

Appendix C: Vermont Department of Health 2019 Census of Advanced Practice Registered Nurses

Identification

- 1) First Name* _____
 - 2) Middle Name (if any) _____
 - 3) Last Name* _____
 - 4) Vermont APRN License Number* _____
-

Demographics

- 5) Date of birth (M/D/YYYY)* _____
- 6) Sex Male Female Other
- 7) How would you classify your race (check all that apply):
 - American Indian or Alaska Native
 - Asian
 - Black or African American
 - Native Hawaiian or other Pacific Islander
 - White
 - Other - please specify: _____*
 - Prefer not to answer

8) Are you Hispanic, Latino/a, or of Spanish origin? (check all that apply)

- Yes No Prefer not to answer
-

Education & Training

9) What type of nursing degree or credential qualified you for your first U.S. RN license?

- Diploma/certificate - nursing
- Associate Degree - nursing
- Bachelor's Degree - nursing
- Master's Degree - nursing
- Doctoral degree – nursing (PhD)
- Doctoral degree – nursing practice (DNP)
- Other (please specify): _____*

10) In what year did you complete the degree that qualified you for your first U.S. RN license? _____

11) In which state did you complete the degree or credential that qualified you for your first U.S. RN license?

- Outside the USA
- Alabama
- Alaska
- ...

If completed outside the U.S., please specify country:*

12) What is your highest level of nursing education?

- Bachelor's Degree - nursing
- Master's Degree - nursing
- Doctoral degree - nursing (PhD)
- Doctoral degree – nursing practice (DNP)
- Other (please specify): _____*

13) What is your highest level of non-nursing education?

- not applicable
- Associate Degree - non-nursing
- Bachelor's Degree - non-nursing
- Master's Degree - non-nursing
- Doctoral degree - non-nursing
- Other (please specify): _____*

14) Are you currently enrolled in a nursing education program leading to a degree/certificate?

- Not enrolled
- Master's Degree program
- Doctoral degree program (PhD)
- Doctoral degree program (DNP)
- Other (please specify): _____*

License & Practice

15) For how many years have you worked as an RN (in any state or country) before you became an APRN? _____

16) For how many years have you worked as an APRN (in any state or country)? _____

17) In what state(s) do you hold an active APRN license?

- Alabama
- Alaska
- ...

18) In what state(s) are you currently actively practicing as an APRN?

- Alabama
- Alaska
- ...

19) Indicate whether you are credentialed to practice as any of the following: (check all that apply)

- Nurse Practitioner (NP)
- Clinical Nurse Specialist (CNS)
- Certified Nurse Midwife (CNM)
- Certified Registered Nurse Anesthetist (CRNA)
- Other (specify): _____*

20) In what areas do you hold credentials as an APRN? (check all that apply)

- Adult
- Family
- Neonatal
- Pediatrics
- Gerontology

- Midwifery (full scope)
 - OB/Gyn (women's health)
 - Medical / Surgical
 - Psych / Mental Health
 - Anesthesiology
 - Acute / Emergency Care
 - School
 - Other (specify): _____*
-

Current Status

21) What is your employment status as an APRN? (select all that apply)*

- Working in Vermont in a position that requires an APRN license
- Working outside Vermont in a position that requires an APRN license
- Working in a nursing position that does not require an APRN license
- Working in a field other than nursing
- Not currently working - seeking work as a nurse
- Not currently working - not seeking work as a nurse
- Retired

22) If not working as a nurse, please indicate the reasons: (select all that apply)

- Taking care of home and family
 - Difficulty in finding a nursing position
 - Inadequate salary
 - Disabled
 - In school
 - Other (specify): _____*
-

[if not active in Vermont]

24) Do you plan to start (or resume) working in Vermont as an APRN within the next 12 months?

- Yes No Do not know

[and then skip to end of census form]

[if currently active in Vermont]

25) For how many years have you worked in Vermont as an APRN? _____

26) Do you have Hospital Privileges in Vermont?

- Yes No
-

Practice Site 1 (your primary Vermont practice site):

27) Name of Vermont TOWN within which this practice site is located (not a mailing address):* _____

28) Practice name: _____

29) Street Address of practice site (not a mailing address):

30) Zip code of practice site location:* _____

31) Public (main line) phone number of practice:* _____

32) Which best describes the setting of this practice location? (choose one)*

- Physician/APRN Practice
- Independent APRN Practice – solo
- Independent APRN Practice – group
- Hospital – inpatient
- Hospital – outpatient
- Hospital – inpatient and outpatient
- Emergency Department
- Urgent Care / Walk-in
- Nursing Home / Extended Care / Residential
- Home Health
- Correctional Facility
- Community Health Center / Clinic
- Mental Health Center

- Public Health
- School or College Health Service
- Occupational Health
- School of Nursing
- Other setting (please specify): _____*

33) Please identify the title that most closely corresponds to your primary nursing practice position at this site:*

- Nurse Executive
- Nurse Manager
- Nurse Faculty (educator)
- Advanced Practice Nurse (patient care)
- Staff Nurse (patient care)
- Case Manager
- Nurse Researcher
- Consultant
- Other - Health Related
- Other - Not Health Related

34) Please enter the number of weeks in a year during which you work at this site as an APRN: (48 weeks per year is considered "year-round")* _____

35) Do you work here on a per diem basis? Yes No

36) Do you work here as a traveler? Yes No

37) Do you work here as a volunteer? Yes No

38) Please identify the employment specialty that most closely corresponds to your primary practice at this site:*

- Acute care / Critical Care
- Adult Health
- Family Health
- Anesthesia
- Cardiology
- Community
- Emergency Department / Trauma
- Endocrinology
- Geriatric / Gerontology
- Home Health
- Medical Surgical
- Mental Health / Substance Abuse
- Occupational Health
- Oncology
- Orthopedics
- Palliative Care
- Pediatrics
- Neonatal
- Public Health
- School/College Health
- Women's Health / Maternal-Child / Gynecology / OB
- Other (specify): _____*

39) Indicate your average number of patient care hours here per working week in your primary specialty mentioned above: (Enter "0" here if you do not provide patient care. There are questions further down about hours in other activities.)* _____

40) Do you work here in another, secondary, specialty?*

- Yes No

41) Please identify the employment specialty that most closely corresponds to your secondary practice at this site:*

- Acute care / Critical Care

...

42) Indicate your average number of patient care hours here per working week in your secondary specialty mentioned above: (Enter "0" if you do not provide patient care in the secondary specialty.)* _____

43) Besides the patient care hours reported above, please tell us about any additional time you spend on other activities at this site:

Hours per working week in administration at this site _____

Hours per working week in supervision at this site: _____

Hours per working week charting at this site: _____

Hours per working week in teaching at this site: _____

Hours per working week in research at this site: _____

Hours in other activities (not mentioned above) at this site _____

Please describe the "other activities", if any: _____

44) Please answer each of the following questions about *your work at this site* providing patient care:

	Yes	No	n.a.
Do you accept new patients here	()	()	()
Do you participate in Medicaid here	()	()	()
Do you accept new Medicaid patients here	()	()	()
Do you participate in Medicare here	()	()	()
Do you accept new Medicare patients here	()	()	()

45) If there is anything else you want to tell us about your practice at this site please enter it here:

Second Vermont practice site

46) Do you have a second practice site in Vermont?*

() yes () no

[if yes, same questions as for site 1]

[same for Site 3 and Site 4]

106) Do you have more than four practice sites in Vermont?

() yes () no

[if yes:]

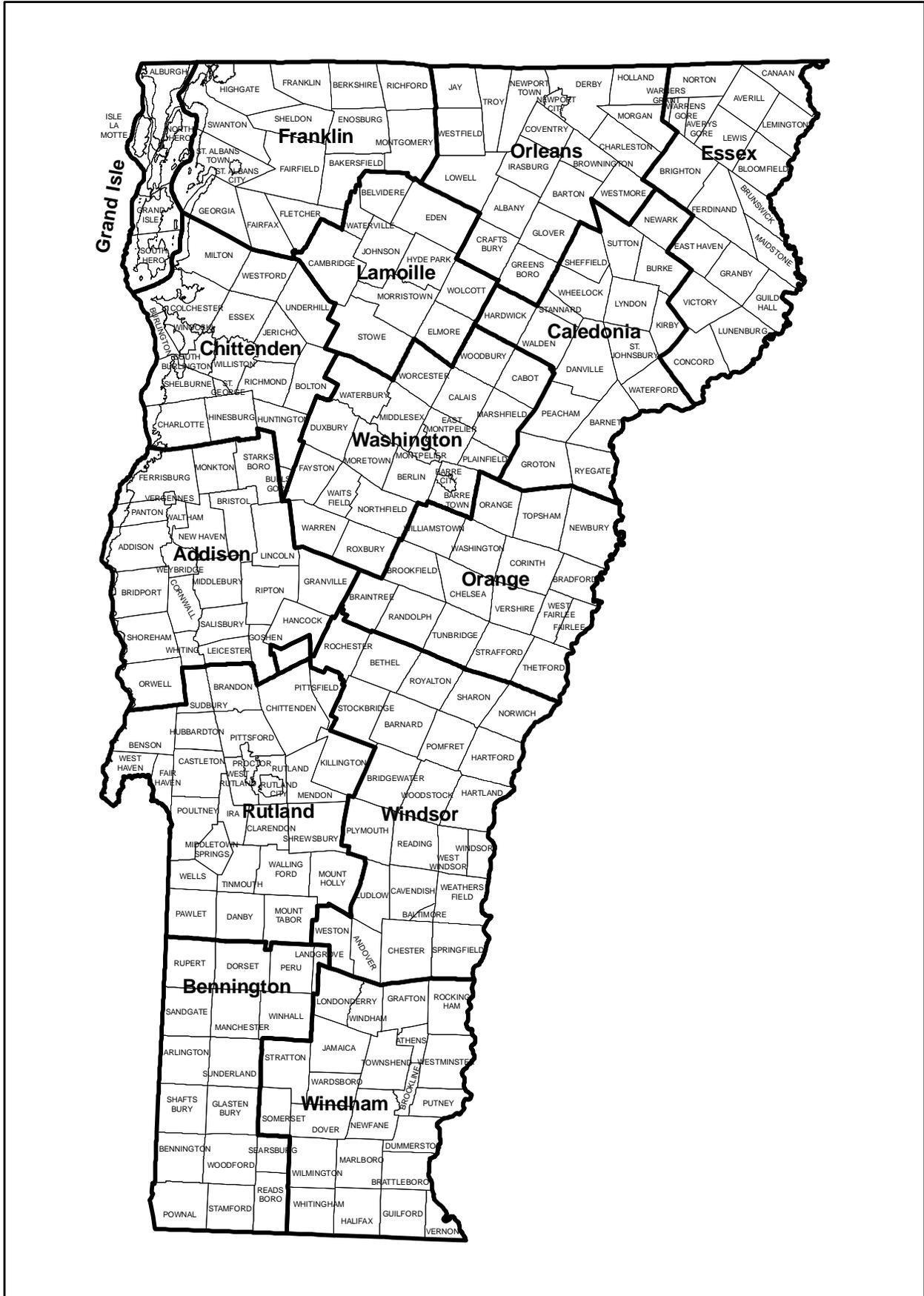
107) Please describe your work at additional sites beyond the four you entered above, briefly, including locations, settings, specialties and hours:

Final comments

The results of these censuses have allowed us to monitor changes in Vermont’s medical workforce. Reports based on these censuses are available [on the Vermont Department of Health website](#). The findings have been used in the Community Assessments, the State Health Plan, the Health Resources Allocation Plan and the designation of medically underserved areas.

108) Thank you. If there is anything else you want to tell us about your practice, or this census, please enter it here:

Appendix D: Vermont Counties and Towns



Appendix E: Local Health Districts

