



# **2018 Physician Census**

## **Statistical Report**



# **2018 Physician Census Statistical Report**

Phil Scott, Governor



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October, 2019

## **Acknowledgments**

This report would not have been possible without the cooperation of the Vermont Department of Health's Board of Medical Practice and the Secretary of State's 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 physicians who took the time and effort to complete the census form.

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## Introduction

Since the health of Vermonters depends, in part, on access to health care, we need to measure the supply of health care providers, including their distribution by geography and specialty. In this report we present detailed profiles of physicians practicing in Vermont as of the end of the year 2018; these data can be used as the basis for policy analysis, shortage area designations, and recruitment and retention activities.

### Data Collection

This report includes physicians (MDs and DOs) who renewed their license as of late 2018. A link to the online Workforce Census form was included in the MD online relicensing conducted by the Vermont Board of Medical Practice in the fall of 2018. The questions asked are included in this report as Appendix C. The Board followed up with those who did not originally respond to the census.

A separate board licenses Doctors of Osteopathy (DO). A link to the census (similar to the MD census) was included in the online relicensing done in late summer of 2018. Follow-up was conducted as needed. Data from the DO census were combined with the MD census data to produce this report.

Included in this report are physicians who provide patient care in Vermont. Excluded are the substantial number of physicians who maintain Vermont licenses even though they do not practice in Vermont. Federally employed physicians who do not provide patient care outside a federal facility are not required to maintain a Vermont license, and are therefore not included, unless they do have a Vermont license. Physicians participating in residency programs are not required to maintain a Vermont license, although some choose to do so. For consistency, all residents, clinical fellows and research fellows are excluded from this report.

Similar surveys have been conducted every two years since 1992. Comparisons of the 2018 census to previous censii are included in this report. Similar data are collected from other health professionals. Results are available on the Department of Health web site at [healthvermont.gov/health-care-workforce-reports](http://healthvermont.gov/health-care-workforce-reports).

### Limitations

Information was obtained from or about almost all potentially active physicians who renewed their license by the end of 2018. Two physicians could not be reached and are not included. Physicians who were in residency or fellowship training at the time are not included in this report.

*Locum tenens* practitioners fill positions on a temporary basis when practitioners are on sabbatical, vacation, or absent for an extended period. Work done on a *locum tenens* basis for less than a year is not counted in this report, other than in the tables on pages 59-63. Those who reported working in the same *locum tenens* position for more than a year *are* counted – unlike in past reports. Some physicians worked partly as *locum tenens* and partly not - their non-*locum-tenens* work is reported here. Physicians who worked partly in Vermont and partly elsewhere are reported here, but only their Vermont work is reported.

Some physicians provide services remotely from out of state to Vermont patients, and the portion of their work related to Vermont patients could not be determined. Therefore, hours are not reported, and full-time equivalents (FTEs) are not computed, for telemedicine - as well as *all* radiologists and pathologists, since many of them work remotely. Some physicians (mostly based at Dartmouth-Hitchcock or UVMHC) reported Vermont-specific telemedicine, meaning that they worked a

specific number of hours on contract remotely providing care for a specific Vermont practice. They are counted where other telemedicine is not, since we could compute Vermont FTEs for them.

A significant number of physicians provide patient care for only a small number of hours in an average week. Some work mainly in teaching, research or administration, or are semi-retired, work mainly out of state, or only work in Vermont seasonally. They are counted in this report, and thus one should interpret the counts with caution. The tables that report FTEs rather than counts may be more informative. See pages 59-64 for data on physicians with few hours.

The data and report were reviewed for accuracy and consistency. Missing and/or inconsistent data items were evaluated as to their importance. Non-critical missing data items are reported as missing. In a few instances where critical information was missing, but the physician is known to be practicing the same specialty in the same town as in 2016, the missing data were replaced with information from the previous census.

In general, information for this report was self-reported and 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.

Detailed notes and definitions are included in the Appendices. Please contact us if you have any questions about the census or the report. Email us at [AHS.VDHPPhysicianCensus@vermont.gov](mailto:AHS.VDHPPhysicianCensus@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 of Active Physicians, 2018

- ◆ This report includes data reported by 2473 physicians providing patient care in Vermont. This includes 2339 Medical Doctors and 134 Doctors of Osteopathy. Residents and fellows are excluded from this report. Included are 347 who work in telemedicine.
- ◆ 615 physicians provide mainly primary care, and 627 physicians provide any primary care, corresponding to 435.9 Full Time Equivalents (FTEs) – a significant drop from 2016.
- ◆ 1858 physicians provide mainly specialty care. Excluding radiologists, pathologists, and telemedicine, 1386 physicians provide any specialty care, corresponding to 932.1 FTEs.
- ◆ 36% of primary care physicians are over age 60, as compared with 29% in 2014, 19% in 2008, and 9% in 2002. 43% of primary care internists are over age 60.
- ◆ In 7 of the 14 counties, 41% or more of the primary care physicians are over age 60: Lamoille (52%), Bennington (50%), Caledonia (50%), Windham (48%), Franklin (42%), Orange (42%), and Windsor (41%).
- ◆ 26% of specialists are over age 60. This includes 47% of psychiatrists, 32% of ophthalmologists, 31% of general surgeons, and 30% of pediatric specialists.
- ◆ The prevalence of tele-medicine has increased further, mostly in radiology, but now also in emergency medicine, internal medicine subspecialties, neurology, and other specialties.
- ◆ 81% of primary care physicians (in office settings) accept new patients, but only 78% accept new Medicaid patients and 74% accept new Medicare patients.
- ◆ 957 or 39% of Vermont physicians, and 54% of primary care physicians, are women. In 1996 only 22% of Vermont physicians, and 28% of primary care physicians, were women.
- ◆ 694 or 33% of Vermont's physicians have attended the University of Vermont's College of Medicine and/or have completed a residency or fellowship there. 447 (21%) are graduates of the College of Medicine, and 434 (20%) did a residency or fellowship there.
- ◆ Vermont saw a drop of 32.7 primary care FTEs between 2016 and 2018, a 7% drop, as some physicians have retired or reduced their work hours. Conversely, an increase of 15.5 FTEs was seen in specialty care, and that is excluding pathologists, radiologists and telemedicine.
- ◆ Between 2008 and 2018 primary care FTEs in Vermont declined by 62.3 (13%). But over the same period the rise of hospitalists to 84.5 FTEs has reduced the need for hospital rounds by primary care physicians.
- ◆ The statewide ratio of primary care physician FTEs to population decreased between 2016 and 2018, with the largest decreases in Windham, Windsor and Rutland Counties. The largest increase was in Franklin County.
- ◆ 73% of primary care physicians and 42% of specialty care physicians reported using electronic methods of communicating with patients. 60% of primary care and 39% of specialty care physicians felt it improved, or could improve, communications.
- ◆ 46 physicians (not counted above and excluded from most tables in the report) practice solely in *locum tenens* capacity in Vermont and provide 17.7 FTEs, primarily as hospitalists (5.2 FTEs) and psychiatrists (4.2 FTEs). Unlike in previous reports, those who have worked under such a contract for more than a year are *not* counted as *locum tenens*.

### Comparison of Selected Physician Data, 1996-2018

|                               | 1996  | 2000  | 2004  | 2008  | 2010  | 2014  | 2016  | 2018  |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Total active * physicians     | 1384  | 1480  | 1612  | 1833  | 1877  | 1933  | 2182  | 2473  |
| Percent female                | 22%   | 26%   | 29%   | 31%   | 33%   | 38%   | 38%   | 39%   |
| Primary care physicians       | 535   | 585   | 634   | 634   | 628   | 636   | 636   | 615   |
| Family Practice               | 227   | 258   | 280   | 279   | 284   | 285   | 286   | 291   |
| Internal Medicine             | 155   | 164   | 177   | 175   | 167   | 163   | 162   | 142   |
| Ob/Gyn                        | 63    | 64    | 70    | 75    | 68    | 68    | 71    | 72    |
| Pediatric Primary Care        | 90    | 99    | 107   | 105   | 109   | 120   | 117   | 110   |
| % over age 60                 | 13%   | 9%    | 12%   | 19%   | 21%   | 29%   | 34%   | 36%   |
| % accept new patients ^       | 91%   | 80%   | 81%   | 80%   | 83%   | 82%   | 84%   | 81%   |
| accept new Medicaid patients  | 86%   | 73%   | 70%   | 69%   | 72%   | 76%   | 78%   | 78%   |
| accept new Medicare patients  | 87%   | 74%   | 71%   | 69%   | 69%   | 72%   | 75%   | 74%   |
| Specialist physicians         | 849   | 895   | 978   | 1199  | 1249  | 1297  | 1546  | 1858  |
| Anesthesiology                | 60    | 59    | 78    | 97    | 93    | 97    | 105   | 109   |
| Emergency Medicine            | 81    | 76    | 84    | 108   | 113   | 130   | 167   | 195   |
| Internal Medicine @           | 124   | 138   | 157   | 217   | 227   | 192   | 246   | 265   |
| Hospitalists @                |       |       |       |       |       | 95    | 92    | 119   |
| Pathology #                   | 42    | 42    | 47    | 53    | 55    | 55    | 62    | 95    |
| Psychiatry                    | 152   | 154   | 160   | 172   | 174   | 179   | 175   | 191   |
| Radiology #                   | 61    | 72    | 71    | 129   | 139   | 106   | 176   | 265   |
| General Surgery               | 50    | 42    | 46    | 50    | 52    | 44    | 54    | 59    |
| Orthopedic Surgery            | 50    | 55    | 57    | 72    | 76    | 67    | 81    | 77    |
| Other Specialties             | 229   | 257   | 278   | 301   | 320   | 332   | 388   | 483   |
| Primary care physician FTEs & | 438.2 | 472.2 | 478.7 | 498.2 | 492.1 | 476.9 | 468.6 | 435.9 |
| Family Practice               | 180.6 | 211.5 | 215.9 | 223.9 | 222.9 | 207.1 | 210.0 | 198.1 |
| Internal Medicine             | 126.9 | 128.5 | 124.5 | 126.5 | 120.7 | 114.3 | 110.0 | 93.3  |
| Ob/Gyn                        | 55.1  | 53.3  | 58.3  | 62.5  | 59.1  | 58.2  | 58.8  | 61.6  |
| Pediatric Primary Care        | 75.7  | 78.8  | 79.9  | 85.3  | 89.3  | 97.3  | 89.9  | 83.0  |
| FTEs/100,000 population       | 73.4  | 77.6  | 77.0  | 80.2  | 78.6  | 76.1  | 75.0  | 69.6  |
| % of FTEs in Chittenden Co.   | 30%   | 28%   | 29%   | 30%   | 31%   | 30%   | 32%   | 33%   |
| Specialist physician FTEs # & | 573.2 | 621.3 | 656.1 | 818.1 | 843.7 | 836.1 | 916.6 | 932.1 |
| Anesthesiology                | 56.4  | 56.4  | 67.7  | 85.5  | 85.7  | 84.9  | 91.1  | 87.2  |
| Emergency Medicine            | 56.5  | 57.0  | 59.6  | 80.7  | 84.2  | 86.9  | 91.3  | 93.8  |
| Internal Medicine ^@          | 89.4  | 104.6 | 118.0 | 172.8 | 177.9 | 136.4 | 162.1 | 146.6 |
| Hospitalists @                |       |       |       |       |       | 72.9  | 75.0  | 84.5  |
| Psychiatry                    | 104.1 | 117.5 | 118.8 | 129.9 | 130.3 | 116.6 | 116.0 | 117.9 |
| General Surgery               | 41.6  | 36.0  | 36.4  | 46.7  | 44.6  | 36.8  | 45.6  | 47.5  |
| Orthopedic Surgery            | 46.7  | 49.9  | 49.0  | 59.6  | 59.7  | 54.0  | 60.1  | 53.9  |
| Other Specialties #           | 178.5 | 199.8 | 206.7 | 242.9 | 261.3 | 247.6 | 275.4 | 300.7 |
| % of FTEs in Chittenden Co.   | 42%   | 43%   | 46%   | 45%   | 45%   | 45%   | 46%   | 47%   |

\* providing patient care in Vermont (includes tele-medicine)

^ % of physicians not sites – see Notes 10 and 11

@ internists included hospitalists prior to 2014

# FTEs not computed for pathology, radiology, and all tele-medicine

& FTEs for 2004 may be underestimated by as much as 4% overall.

# **Vermont Physicians Demographics and Training**



Table 1 -- VT Physicians, 2018  
Summary of Active Physicians

|                                |      |        |
|--------------------------------|------|--------|
| TOTAL                          | 2473 |        |
| Medical Doctor (MD)            | 2339 | ( 95%) |
| Doctor of Osteopathy (DO)      | 134  | ( 5%)  |
| Main specialty:                |      |        |
| Primary Care Total             | 615  | ( 25%) |
| Family Practice                | 291  | ( 12%) |
| Primary Care Internal Medicine | 142  | ( 6%)  |
| Obstetrics and Gynecology      | 72   | ( 3%)  |
| Pediatrics                     | 110  | ( 4%)  |
| Specialty Care Total           | 1858 | ( 75%) |
| Anesthesiology                 | 109  | ( 4%)  |
| Dermatology                    | 27   | ( 1%)  |
| Emergency Medicine             | 195  | ( 8%)  |
| Hospitalist                    | 119  | ( 5%)  |
| Internal Medicine Specialties  | 265  | ( 11%) |
| Pediatrics Specialties         | 61   | ( 2%)  |
| Neurology                      | 56   | ( 2%)  |
| Ophthalmology                  | 50   | ( 2%)  |
| Pathology                      | 95   | ( 4%)  |
| Psychiatry                     | 191  | ( 8%)  |
| Radiology                      | 265  | ( 11%) |
| Surgery: General               | 59   | ( 2%)  |
| Surgery: Orthopedic            | 77   | ( 3%)  |
| Surgery: Other                 | 33   | ( 1%)  |
| Urology                        | 23   | ( 1%)  |
| Urgent Care                    | 9    | ( 0%)  |
| Other Specialties              | 224  | ( 9%)  |
| Age groups:                    |      |        |
| less than 35                   | 132  | ( 5%)  |
| 35 - 44                        | 622  | ( 25%) |
| 45 - 54                        | 655  | ( 26%) |
| 55 - 59                        | 353  | ( 14%) |
| 60 - 64                        | 368  | ( 15%) |
| 65 and older                   | 343  | ( 14%) |
| Gender:                        |      |        |
| Male                           | 1515 | ( 61%) |
| Female                         | 957  | ( 39%) |
| Number of practice sites: *    |      |        |
| One                            | 1844 | ( 88%) |
| Two                            | 210  | ( 10%) |
| Three or more                  | 37   | ( 2%)  |
| Patient care hours: **         |      |        |
| 40 or more hours/week          | 771  | ( 39%) |
| 30 to 39 hours/week            | 403  | ( 21%) |
| 10 to 29 hours/week            | 488  | ( 25%) |
| less than 10 hours/week        | 294  | ( 15%) |

\* telemedicine of all types excluded

\*\* pathology, radiology & general telemedicine excluded

Table 2 -- VT Physicians, 2018  
Age by Specialty and by Gender

|                     | Total | Number in Age Group  |       |       |       |       |     | Age 60+ |
|---------------------|-------|----------------------|-------|-------|-------|-------|-----|---------|
|                     |       | <35                  | 35-44 | 45-54 | 55-59 | 60-64 | 65+ | (%)     |
| TOTAL               | 2473  | 132                  | 622   | 655   | 353   | 368   | 343 | 29%     |
| MALES               | 1515  | 70                   | 325   | 387   | 215   | 246   | 272 | 34%     |
| FEMALES             | 957   | 62                   | 297   | 268   | 138   | 121   | 71  | 20%     |
| PRIMARY CARE        | 615   | 34                   | 132   | 144   | 84    | 105   | 116 | 36%     |
| Family Practice     | 291   | 16                   | 56    | 68    | 37    | 57    | 57  | 39%     |
| Internal Medicine   | 142   | 5                    | 24    | 28    | 24    | 22    | 39  | 43%     |
| Ob/Gyn              | 72    | 6                    | 19    | 19    | 12    | 9     | 7   | 22%     |
| Pediatrics          | 110   | 7                    | 33    | 29    | 11    | 17    | 13  | 27%     |
| SPECIALTY CARE      | 1858  | 98                   | 490   | 511   | 269   | 263   | 227 | 26%     |
| Anesthesiology      | 109   | 4                    | 24    | 40    | 20    | 16    | 5   | 19%     |
| Dermatology         | 27    | 3                    | 6     | 6     | 5     | 3     | 4   | 26%     |
| Emergency Medicine  | 195   | 16                   | 73    | 50    | 22    | 22    | 12  | 17%     |
| Hospitalist         | 119   | 16                   | 39    | 36    | 9     | 17    | 2   | 16%     |
| Internal Medicine   | 265   | 16                   | 72    | 68    | 44    | 31    | 34  | 25%     |
| Pediatrics          | 61    | 5                    | 21    | 13    | 4     | 7     | 11  | 30%     |
| Neurology           | 56    | 3                    | 25    | 11    | 4     | 4     | 9   | 23%     |
| Ophthalmology       | 50    | 3                    | 15    | 12    | 4     | 8     | 8   | 32%     |
| Pathology           | 95    | 4                    | 27    | 31    | 12    | 16    | 5   | 22%     |
| Psychiatry          | 191   | 4                    | 43    | 39    | 16    | 33    | 56  | 47%     |
| Radiology           | 265   | 6                    | 62    | 92    | 45    | 39    | 21  | 23%     |
| Surgery: General    | 59    | 7                    | 9     | 15    | 10    | 12    | 6   | 31%     |
| Surgery: Orthopedic | 77    | 2                    | 18    | 20    | 18    | 5     | 14  | 25%     |
| Surgery: Other      | 33    | 0                    | 9     | 11    | 4     | 7     | 2   | 27%     |
| Urology             | 23    | 0                    | 6     | 6     | 6     | 3     | 2   | 22%     |
| Urgent Care         | 9     | 0                    | 0     | 2     | 4     | 1     | 2   | 33%     |
| Other Specialties   | 224   | 9                    | 41    | 59    | 42    | 39    | 34  | 33%     |
|                     | Total | Percent in Age Group |       |       |       |       |     | Age 60+ |
|                     |       | <35                  | 35-44 | 45-54 | 55-59 | 60-64 | 65+ | (%)     |
| TOTAL               | 100%  | 5%                   | 25%   | 26%   | 14%   | 15%   | 14% | 29%     |
| MALES               | 100%  | 5%                   | 21%   | 26%   | 14%   | 16%   | 18% | 34%     |
| FEMALES             | 100%  | 6%                   | 31%   | 28%   | 14%   | 13%   | 7%  | 20%     |
| PRIMARY CARE        | 100%  | 6%                   | 21%   | 23%   | 14%   | 17%   | 19% | 36%     |
| SPECIALTY CARE      | 100%  | 5%                   | 26%   | 28%   | 14%   | 14%   | 12% | 26%     |

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



Table 3 -- VT Physicians, 2018  
Specialty by Gender

| Specialty           | Total | Male | Female | Percent Female |
|---------------------|-------|------|--------|----------------|
| TOTAL               | 2473  | 1515 | 957    | 39%            |
| PRIMARY CARE        | 615   | 282  | 333    | 54%            |
| Family Practice     | 291   | 159  | 132    | 45%            |
| Internal Medicine   | 142   | 71   | 71     | 50%            |
| Ob/Gyn              | 72    | 21   | 51     | 71%            |
| Pediatrics          | 110   | 31   | 79     | 72%            |
| SPECIALTY CARE      | 1858  | 1233 | 624    | 34%            |
| Anesthesiology      | 109   | 80   | 29     | 27%            |
| Dermatology         | 27    | 15   | 12     | 44%            |
| Emergency Medicine  | 195   | 145  | 50     | 26%            |
| Hospitalist         | 119   | 70   | 49     | 41%            |
| Internal Medicine   | 265   | 198  | 67     | 25%            |
| Pediatrics          | 61    | 23   | 38     | 62%            |
| Neurology           | 56    | 36   | 20     | 36%            |
| Ophthalmology       | 50    | 38   | 12     | 24%            |
| Pathology           | 95    | 49   | 46     | 48%            |
| Psychiatry          | 191   | 107  | 84     | 44%            |
| Radiology           | 265   | 186  | 79     | 30%            |
| Surgery: General    | 59    | 43   | 16     | 27%            |
| Surgery: Orthopedic | 77    | 69   | 8      | 10%            |
| Surgery: Other      | 33    | 28   | 5      | 15%            |
| Urology             | 23    | 19   | 3      | 14%            |
| Urgent Care         | 9     | 7    | 2      | 22%            |
| Other Specialties   | 224   | 120  | 104    | 46%            |

The 'Total' column includes one physician with 'other' gender.

Table 4 -- VT Physicians, 2018  
Age by County

| County            | Total | Number in Age Group |       |       |       |       |     | Age 60+ |
|-------------------|-------|---------------------|-------|-------|-------|-------|-----|---------|
|                   |       | <35                 | 35-44 | 45-54 | 55-59 | 60-64 | 65+ | (%)     |
| STATEWIDE TOTAL   |       |                     |       |       |       |       |     |         |
| Total             | 2473  | 132                 | 622   | 655   | 353   | 368   | 343 | 29%     |
| Primary Care      | 615   | 34                  | 132   | 144   | 84    | 105   | 116 | 36%     |
| Specialists       | 1858  | 98                  | 490   | 511   | 269   | 263   | 227 | 26%     |
| Addison County    |       |                     |       |       |       |       |     |         |
| Primary Care      | 40    | 1                   | 12    | 11    | 4     | 6     | 6   | 30%     |
| Specialists       | 39    | .                   | 7     | 12    | 12    | 4     | 4   | 21%     |
| Bennington County |       |                     |       |       |       |       |     |         |
| Primary Care      | 42    | 2                   | 5     | 8     | 6     | 10    | 11  | 50%     |
| Specialists       | 94    | .                   | 17    | 35    | 16    | 12    | 14  | 28%     |
| Caledonia County  |       |                     |       |       |       |       |     |         |
| Primary Care      | 28    | .                   | 4     | 6     | 4     | 8     | 6   | 50%     |
| Specialists       | 51    | 2                   | 10    | 17    | 8     | 8     | 6   | 27%     |
| Chittenden County |       |                     |       |       |       |       |     |         |
| Primary Care      | 207   | 18                  | 53    | 55    | 23    | 34    | 24  | 28%     |
| Specialists       | 662   | 48                  | 209   | 152   | 92    | 87    | 74  | 24%     |
| Essex County      |       |                     |       |       |       |       |     |         |
| Primary Care      | 3     | .                   | .     | 1     | 1     | 1     | .   | 33%     |
| Specialists       | 1     | .                   | .     | .     | .     | .     | 1   | 100%    |
| Franklin County   |       |                     |       |       |       |       |     |         |
| Primary Care      | 33    | 1                   | 5     | 6     | 7     | 9     | 5   | 42%     |
| Specialists       | 49    | 3                   | 9     | 13    | 7     | 12    | 5   | 35%     |
| Grand Isle County |       |                     |       |       |       |       |     |         |
| Primary Care      | 2     | .                   | 1     | 1     | .     | .     | .   | 0%      |
| Specialists       | 1     | .                   | .     | 1     | .     | .     | .   | 0%      |
| Lamoille County   |       |                     |       |       |       |       |     |         |
| Primary Care      | 21    | .                   | 4     | 4     | 2     | 5     | 6   | 52%     |
| Specialists       | 25    | 2                   | 3     | 7     | 4     | 6     | 3   | 36%     |
| Orange County     |       |                     |       |       |       |       |     |         |
| Primary Care      | 24    | 2                   | 5     | 3     | 4     | 3     | 7   | 42%     |
| Specialists       | 37    | 1                   | 5     | 9     | 10    | 9     | 3   | 32%     |
| Orleans County    |       |                     |       |       |       |       |     |         |
| Primary Care      | 18    | 1                   | 5     | 6     | 1     | 3     | 2   | 28%     |
| Specialists       | 36    | 1                   | 4     | 10    | 6     | 5     | 10  | 42%     |
| Rutland County    |       |                     |       |       |       |       |     |         |
| Primary Care      | 40    | 1                   | 5     | 12    | 9     | 7     | 6   | 33%     |
| Specialists       | 122   | 8                   | 24    | 39    | 16    | 23    | 12  | 29%     |
| Washington County |       |                     |       |       |       |       |     |         |
| Primary Care      | 53    | 7                   | 12    | 9     | 8     | 5     | 12  | 32%     |
| Specialists       | 123   | 6                   | 36    | 25    | 20    | 16    | 20  | 29%     |
| Windham County    |       |                     |       |       |       |       |     |         |
| Primary Care      | 44    | .                   | 9     | 9     | 5     | 8     | 13  | 48%     |
| Specialists       | 145   | 6                   | 34    | 35    | 18    | 21    | 31  | 36%     |
| Windsor County    |       |                     |       |       |       |       |     |         |
| Primary Care      | 58    | 1                   | 12    | 11    | 10    | 6     | 18  | 41%     |
| Specialists       | 125   | 7                   | 19    | 42    | 19    | 17    | 21  | 30%     |

Each physician is counted once in this table, in their main specialty group, and, independently, in their main county of practice (see Note 2). Telemedicine is only counted in the statewide totals and below:

|                          |     |    |     |     |    |    |    |     |
|--------------------------|-----|----|-----|-----|----|----|----|-----|
| Telemedicine Specialists | 347 | 14 | 113 | 113 | 41 | 43 | 23 | 19% |
|--------------------------|-----|----|-----|-----|----|----|----|-----|

Table 5 -- VT Physicians, 2018  
 Years in Clinical Practice

| In Clinical Practice | PRIMARY CARE |            | SPECIALTY CARE |            |
|----------------------|--------------|------------|----------------|------------|
|                      | Anywhere     | In Vermont | Anywhere       | In Vermont |
| less than a year     | 3 ( 0%)      | 13 ( 2%)   | 21 ( 1%)       | 86 ( 6%)   |
| 1 to 2 years         | 17 ( 3%)     | 59 (10%)   | 42 ( 3%)       | 179 (12%)  |
| 3 to 4 years         | 24 ( 4%)     | 51 ( 8%)   | 61 ( 4%)       | 145 (10%)  |
| 5 to 9 years         | 74 (12%)     | 88 (14%)   | 225 (15%)      | 239 (16%)  |
| 10 to 14 years       | 84 (14%)     | 75 (12%)   | 217 (15%)      | 230 (16%)  |
| 15 to 19 years       | 75 (12%)     | 76 (12%)   | 194 (13%)      | 181 (12%)  |
| 20 to 24 years       | 78 (13%)     | 75 (12%)   | 188 (13%)      | 146 (10%)  |
| 25 to 29 years       | 79 (13%)     | 65 (11%)   | 175 (12%)      | 112 ( 8%)  |
| 30 to 34 years       | 83 (13%)     | 60 (10%)   | 159 (11%)      | 67 ( 5%)   |
| 35 years or more     | 97 (16%)     | 53 ( 9%)   | 180 (12%)      | 82 ( 6%)   |
| unknown              | 1            | 0          | 14             | 9          |
| Total                | 615          | 615        | 1476           | 1476       |
| Median years         | 22           | 16         | 19             | 11         |

Note: All telemedicine, including VT-specific, excluded from this table.

Table 6 -- VT Physicians, 2018  
 Medical School Location by Specialty

| Specialty           | Total | Percent Graduated from Medical School in Region |    |                 |             |       |         |      |        |                  |
|---------------------|-------|-------------------------------------------------|----|-----------------|-------------|-------|---------|------|--------|------------------|
|                     |       | VT                                              | NH | Other<br>NewEng | Other<br>NE | South | Central | West | Canada | Other<br>Foreign |
| TOTAL               | 2126  | 21%                                             | 3% | 10%             | 21%         | 14%   | 14%     | 6%   | 3%     | 9%               |
| PRIMARY CARE        | 615   | 27%                                             | 3% | 9%              | 22%         | 12%   | 13%     | 5%   | 3%     | 7%               |
| Family Practice     | 291   | 26%                                             | 4% | 11%             | 20%         | 11%   | 13%     | 4%   | 4%     | 7%               |
| Internal Medicine   | 142   | 27%                                             | 3% | 11%             | 23%         | 12%   | 14%     | 3%   | 1%     | 8%               |
| Ob/Gyn              | 72    | 25%                                             | 3% | 3%              | 24%         | 13%   | 13%     | 11%  | 4%     | 6%               |
| Pediatrics          | 110   | 34%                                             | 2% | 5%              | 23%         | 14%   | 8%      | 5%   | 3%     | 6%               |
| SPECIALTY CARE      | 1511  | 19%                                             | 2% | 11%             | 21%         | 15%   | 14%     | 6%   | 3%     | 10%              |
| Anesthesiology      | 109   | 34%                                             | 2% | 5%              | 21%         | 14%   | 11%     | 6%   | 1%     | 6%               |
| Dermatology         | 24    | 21%                                             | 8% | 17%             | 29%         | .     | 17%     | 8%   | .      | .                |
| Emergency Medicine  | 170   | 18%                                             | 4% | 11%             | 21%         | 17%   | 14%     | 9%   | 2%     | 4%               |
| Hospitalist         | 117   | 24%                                             | .  | 9%              | 22%         | 16%   | 10%     | 6%   | .      | 12%              |
| Internal Medicine   | 215   | 12%                                             | 1% | 10%             | 26%         | 14%   | 8%      | 3%   | 1%     | 25%              |
| Pediatrics          | 55    | 18%                                             | .  | 15%             | 20%         | 11%   | 16%     | 7%   | 7%     | 5%               |
| Neurology           | 40    | 8%                                              | .  | 8%              | 20%         | 23%   | 5%      | 5%   | 8%     | 25%              |
| Ophthalmology       | 48    | 13%                                             | 2% | 9%              | 30%         | 13%   | 26%     | .    | 6%     | 2%               |
| Pathology           | 66    | 32%                                             | 3% | 5%              | 6%          | 23%   | 20%     | 6%   | .      | 6%               |
| Psychiatry          | 184   | 19%                                             | 2% | 13%             | 19%         | 12%   | 17%     | 8%   | 3%     | 7%               |
| Radiology           | 104   | 17%                                             | 7% | 11%             | 20%         | 16%   | 15%     | 4%   | 2%     | 10%              |
| Surgery: General    | 59    | 25%                                             | .  | 14%             | 14%         | 14%   | 17%     | 3%   | .      | 14%              |
| Surgery: Orthopedic | 77    | 12%                                             | .  | 22%             | 25%         | 17%   | 14%     | 4%   | 5%     | 1%               |
| Surgery: Other      | 32    | 19%                                             | 3% | 6%              | 19%         | 13%   | 19%     | 9%   | 6%     | 6%               |
| Urology             | 23    | 26%                                             | 4% | 4%              | 22%         | 13%   | 13%     | 4%   | 9%     | 4%               |
| Urgent Care         | 7     | .                                               | .  | 29%             | 43%         | 14%   | 14%     | .    | .      | .                |
| Other Specialties   | 181   | 14%                                             | 4% | 10%             | 20%         | 15%   | 15%     | 9%   | 4%     | 7%               |

This table excludes telemedicine.

State of medical school is not known for 7 of the specialists. This table uses the standard mapping of states to regions, but separates out VT and NH (Note 12).

Table 7 -- VT Physicians, 2018  
Residency Training Location by Specialty

| Specialty           | Total | Percent Received Residency Training in Region |     |                 |             |       |         |      |        |                  |
|---------------------|-------|-----------------------------------------------|-----|-----------------|-------------|-------|---------|------|--------|------------------|
|                     |       | VT                                            | NH  | Other<br>NewEng | Other<br>NE | South | Central | West | Canada | Other<br>Foreign |
| TOTAL               | 2126  | 20%                                           | 6%  | 17%             | 20%         | 10%   | 12%     | 10%  | 2%     | 1%               |
| PRIMARY CARE        | 615   | 25%                                           | 5%  | 16%             | 21%         | 10%   | 9%      | 10%  | 3%     | 1%               |
| Family Practice     | 291   | 24%                                           | 1%  | 18%             | 23%         | 11%   | 7%      | 11%  | 4%     | 1%               |
| Internal Medicine   | 142   | 24%                                           | 7%  | 20%             | 18%         | 8%    | 13%     | 8%   | .      | 2%               |
| Ob/Gyn              | 72    | 29%                                           | 8%  | 8%              | 21%         | 11%   | 10%     | 8%   | 4%     | .                |
| Pediatrics          | 110   | 25%                                           | 8%  | 11%             | 21%         | 10%   | 11%     | 11%  | 1%     | 2%               |
| SPECIALTY CARE      | 1511  | 19%                                           | 7%  | 18%             | 20%         | 11%   | 13%     | 10%  | 2%     | 1%               |
| Anesthesiology      | 109   | 34%                                           | 10% | 16%             | 15%         | 6%    | 9%      | 8%   | 1%     | .                |
| Dermatology         | 24    | 13%                                           | 21% | 17%             | 8%          | 8%    | 21%     | 13%  | .      | .                |
| Emergency Medicine  | 170   | 5%                                            | 2%  | 25%             | 28%         | 9%    | 14%     | 14%  | 1%     | 1%               |
| Hospitalist         | 117   | 26%                                           | 5%  | 19%             | 21%         | 12%   | 8%      | 9%   | .      | .                |
| Internal Medicine   | 215   | 16%                                           | 7%  | 21%             | 20%         | 9%    | 14%     | 8%   | 1%     | 3%               |
| Pediatrics          | 55    | 29%                                           | .   | 20%             | 13%         | 13%   | 7%      | 11%  | 5%     | 2%               |
| Neurology           | 40    | 23%                                           | .   | 18%             | 15%         | 10%   | 15%     | 8%   | 8%     | 5%               |
| Ophthalmology       | 48    | 4%                                            | .   | 4%              | 29%         | 21%   | 25%     | 10%  | 6%     | .                |
| Pathology           | 66    | 29%                                           | 6%  | 12%             | 12%         | 17%   | 15%     | 9%   | .      | .                |
| Psychiatry          | 184   | 23%                                           | 16% | 16%             | 14%         | 8%    | 11%     | 8%   | 2%     | 2%               |
| Radiology           | 104   | 16%                                           | 7%  | 18%             | 22%         | 11%   | 13%     | 10%  | 2%     | 2%               |
| Surgery: General    | 59    | 21%                                           | 5%  | 14%             | 23%         | 11%   | 18%     | 5%   | .      | 4%               |
| Surgery: Orthopedic | 77    | 21%                                           | 9%  | 14%             | 22%         | 8%    | 10%     | 9%   | 6%     | .                |
| Surgery: Other      | 32    | 22%                                           | 9%  | 16%             | 19%         | 13%   | 6%      | 6%   | 6%     | 3%               |
| Urology             | 23    | 4%                                            | .   | 13%             | 22%         | 13%   | 26%     | 9%   | 9%     | 4%               |
| Urgent Care         | 7     | .                                             | 14% | 14%             | 29%         | 14%   | .       | 29%  | .      | .                |
| Other Specialties   | 181   | 14%                                           | 3%  | 17%             | 22%         | 13%   | 14%     | 13%  | 4%     | .                |

This table excludes telemedicine.

The 2018 census only asked about one residency for each physician (Note 14). This table uses the standard mapping of states to regions, but separates out VT and NH (Note 12). Location of residency is not known for 1 of the primary care physicians and 6 of the specialists.

Table 8 -- VT Physicians, 2018  
 Training at the University of Vermont

|              | Total | Doctors with<br>Known<br>Medical School | Graduated from<br>VT (UVM)<br>Medical School |
|--------------|-------|-----------------------------------------|----------------------------------------------|
| Primary Care | 615   | 615                                     | 168 (27%)                                    |
| Specialists  | 1511  | 1506                                    | 279 (19%)                                    |
| Total        | 2126  | 2121                                    | 447 (21%)                                    |

|              | Total | Doctors with<br>Known<br>Residency | Completed<br>VT (UVM)MC)<br>Residency |
|--------------|-------|------------------------------------|---------------------------------------|
| Primary Care | 615   | 615                                | 154 (25%)                             |
| Specialists  | 1511  | 1505                               | 280 (19%)                             |
| Total        | 2126  | 2120                               | 434 (20%)                             |

|              | Total | Doctors with<br>Any Known<br>Training | Any<br>Training<br>in VT |
|--------------|-------|---------------------------------------|--------------------------|
| Primary Care | 615   | 615                                   | 250 (41%)                |
| Specialists  | 1511  | 1509                                  | 444 (29%)                |
| Total        | 2126  | 2124                                  | 694 (33%)                |

Percentages are based on the number of physicians with known training (in the same row).

This table excludes telemedicine. The 2018 census only asked about one residency for each physician (Note 14).

187 Vermont physicians both graduated from a VT Medical School (UVM) and did a residency in VT (FAHC). Therefore, the number under 'Any Training in VT' is less than the sum of VT graduates and residents (see Note 17).

# **Vermont Physicians Distribution of Full Time Equivalents (FTEs)**





Table 9 -- VT Physicians, 2018  
Full Time Equivalents (FTEs) by Age by Specialty and Gender

|                     | Total  | FTEs in Age Group |       |       |       |       |       | Age 60+ |
|---------------------|--------|-------------------|-------|-------|-------|-------|-------|---------|
|                     |        | <35               | 35-44 | 45-54 | 55-59 | 60-64 | 65+   | (%)     |
| TOTAL               | 1368.1 | 90.4              | 344.8 | 346.0 | 213.8 | 209.3 | 163.9 | 27%     |
| MALES               | 805.2  | 43.8              | 162.0 | 202.3 | 131.3 | 139.3 | 126.6 | 33%     |
| FEMALES             | 561.8  | 46.5              | 182.8 | 143.7 | 82.6  | 69.0  | 37.3  | 19%     |
| PRIMARY CARE        | 435.9  | 28.4              | 100.4 | 108.0 | 64.0  | 71.6  | 63.5  | 31%     |
| Family Practice     | 198.1  | 12.0              | 39.8  | 49.1  | 27.6  | 36.8  | 32.9  | 35%     |
| Internal Medicine   | 93.3   | 4.9               | 17.9  | 18.5  | 17.2  | 15.4  | 19.4  | 37%     |
| Ob/Gyn              | 61.6   | 6.3               | 17.2  | 17.0  | 10.2  | 6.4   | 4.6   | 18%     |
| Pediatrics          | 83.0   | 5.2               | 25.5  | 23.4  | 9.1   | 13.1  | 6.7   | 24%     |
| SPECIALTY CARE      | 932.1  | 62.0              | 244.4 | 238.0 | 149.8 | 137.7 | 100.3 | 26%     |
| Anesthesiology      | 87.2   | 4.0               | 21.0  | 33.8  | 14.0  | 10.3  | 4.0   | 16%     |
| Dermatology         | 20.1   | 2.9               | 4.2   | 5.6   | 3.1   | 2.0   | 2.3   | 21%     |
| Emergency Medicine  | 93.8   | 9.2               | 29.1  | 24.6  | 12.9  | 12.3  | 5.7   | 19%     |
| Hospitalist         | 84.5   | 9.4               | 28.2  | 25.8  | 8.2   | 11.8  | 1.0   | 15%     |
| Internal Medicine   | 146.6  | 10.3              | 36.8  | 31.6  | 32.0  | 19.6  | 16.4  | 25%     |
| Pediatrics          | 34.4   | 3.0               | 15.2  | 7.7   | 1.4   | 3.0   | 4.2   | 21%     |
| Neurology           | 29.6   | 2.7               | 11.6  | 4.7   | 3.4   | 1.9   | 5.3   | 24%     |
| Ophthalmology       | 39.6   | 3.0               | 11.0  | 11.9  | 3.0   | 6.3   | 4.4   | 27%     |
| Psychiatry          | 117.9  | 3.7               | 26.9  | 22.8  | 13.4  | 20.4  | 30.7  | 43%     |
| Surgery: General    | 47.5   | 5.3               | 8.1   | 13.7  | 9.1   | 9.3   | 2.1   | 24%     |
| Surgery: Orthopedic | 53.9   | 2.0               | 15.1  | 13.1  | 12.6  | 3.7   | 7.4   | 21%     |
| Surgery: Other      | 27.1   | .                 | 9.3   | 7.9   | 3.2   | 6.2   | .6    | 25%     |
| Urology             | 20.3   | .                 | 6.0   | 5.2   | 5.2   | 2.9   | 1.1   | 19%     |
| Urgent Care         | 4.1    | .                 | .3    | 1.2   | 1.5   | .2    | .9    | 27%     |
| Other Specialties   | 125.6  | 6.6               | 21.7  | 28.5  | 26.7  | 27.8  | 14.3  | 34%     |

|                | Total | % of total FTEs in Age Group |       |       |       |       |     | Age 60+ |
|----------------|-------|------------------------------|-------|-------|-------|-------|-----|---------|
|                |       | <35                          | 35-44 | 45-54 | 55-59 | 60-64 | 65+ | (%)     |
| TOTAL          | 100%  | 7%                           | 25%   | 25%   | 16%   | 15%   | 12% | 27%     |
| MALES          | 100%  | 5%                           | 20%   | 25%   | 16%   | 17%   | 16% | 33%     |
| FEMALES        | 100%  | 8%                           | 33%   | 26%   | 15%   | 12%   | 7%  | 19%     |
| PRIMARY CARE   | 100%  | 7%                           | 23%   | 25%   | 15%   | 16%   | 15% | 31%     |
| SPECIALTY CARE | 100%  | 7%                           | 26%   | 26%   | 16%   | 15%   | 11% | 26%     |

See Note 1 for a description of the calculation of age.  
Pathologists, radiologists and telemedicine excluded (Note 3).

Table 10 -- VT Physicians, 2018  
Full Time Equivalents (FTEs) by Age by County

| County            | Total  | FTEs in Age Group |       |       |       |       |       | Age 60+ |
|-------------------|--------|-------------------|-------|-------|-------|-------|-------|---------|
|                   |        | <35               | 35-44 | 45-54 | 55-59 | 60-64 | 65+   | (%)     |
| STATEWIDE TOTAL   |        |                   |       |       |       |       |       |         |
| Total             | 1368.1 | 90.4              | 344.8 | 346.0 | 213.8 | 209.3 | 163.9 | 27%     |
| Primary Care      | 435.9  | 28.4              | 100.4 | 108.0 | 64.0  | 71.6  | 63.5  | 31%     |
| Specialists       | 932.1  | 62.0              | 244.4 | 238.0 | 149.8 | 137.7 | 100.3 | 26%     |
| Addison County    |        |                   |       |       |       |       |       |         |
| Primary Care      | 24.4   | 1.0               | 9.3   | 8.2   | 3.2   | 2.1   | .7    | 12%     |
| Specialists       | 26.9   | .                 | 4.6   | 10.3  | 7.5   | 2.8   | 1.7   | 17%     |
| Bennington County |        |                   |       |       |       |       |       |         |
| Primary Care      | 30.5   | 1.8               | 4.2   | 5.9   | 4.5   | 7.7   | 6.4   | 46%     |
| Specialists       | 54.7   | .                 | 10.6  | 20.3  | 10.3  | 9.2   | 4.4   | 25%     |
| Caledonia County  |        |                   |       |       |       |       |       |         |
| Primary Care      | 19.6   | .                 | 3.5   | 4.4   | 2.2   | 5.6   | 3.9   | 48%     |
| Specialists       | 25.6   | 1.9               | 5.1   | 7.6   | 4.2   | 3.5   | 3.4   | 27%     |
| Chittenden County |        |                   |       |       |       |       |       |         |
| Primary Care      | 142.5  | 14.6              | 36.2  | 41.1  | 15.9  | 19.9  | 14.8  | 24%     |
| Specialists       | 436.0  | 35.3              | 144.9 | 96.8  | 61.8  | 56.7  | 40.5  | 22%     |
| Essex County      |        |                   |       |       |       |       |       |         |
| Primary Care      | 1.3    | .                 | .     | .5    | .7    | .2    | .     | 13%     |
| Specialists       | .3     | .                 | .     | .     | .     | .     | .3    | 100%    |
| Franklin County   |        |                   |       |       |       |       |       |         |
| Primary Care      | 29.6   | 1.0               | 5.0   | 5.5   | 5.9   | 7.8   | 4.4   | 41%     |
| Specialists       | 36.9   | 2.5               | 7.9   | 9.1   | 5.1   | 8.1   | 4.2   | 34%     |
| Grand Isle County |        |                   |       |       |       |       |       |         |
| Primary Care      | 1.9    | .                 | .8    | 1.0   | .1    | .     | <.05  | 1%      |
| Specialists       | <.05   | .                 | .     | <.05  | .     | .     | .     | 0%      |
| Lamoille County   |        |                   |       |       |       |       |       |         |
| Primary Care      | 16.0   | .                 | 2.9   | 3.0   | 1.7   | 3.9   | 4.5   | 53%     |
| Specialists       | 20.3   | 2.0               | 3.0   | 5.7   | 4.2   | 2.7   | 2.8   | 27%     |
| Orange County     |        |                   |       |       |       |       |       |         |
| Primary Care      | 17.1   | 1.9               | 4.2   | 2.9   | 3.3   | 2.7   | 2.1   | 29%     |
| Specialists       | 19.6   | 1.0               | 3.1   | 4.6   | 5.1   | 4.3   | 1.5   | 29%     |
| Orleans County    |        |                   |       |       |       |       |       |         |
| Primary Care      | 15.4   | .8                | 3.7   | 6.1   | 1.0   | 2.4   | 1.5   | 25%     |
| Specialists       | 25.3   | 1.1               | 3.5   | 7.6   | 6.1   | 2.5   | 4.5   | 27%     |
| Rutland County    |        |                   |       |       |       |       |       |         |
| Primary Care      | 29.1   | .6                | 4.5   | 8.7   | 7.9   | 5.5   | 1.9   | 25%     |
| Specialists       | 86.3   | 7.2               | 17.1  | 25.5  | 12.4  | 15.6  | 8.4   | 28%     |
| Washington County |        |                   |       |       |       |       |       |         |
| Primary Care      | 41.2   | 6.0               | 10.4  | 6.2   | 7.3   | 4.1   | 7.2   | 27%     |
| Specialists       | 84.1   | 5.4               | 28.7  | 17.3  | 13.4  | 9.0   | 10.3  | 23%     |
| Windham County    |        |                   |       |       |       |       |       |         |
| Primary Care      | 32.0   | .                 | 8.0   | 6.8   | 4.0   | 5.4   | 7.9   | 42%     |
| Specialists       | 56.9   | 1.5               | 8.2   | 16.8  | 7.4   | 11.0  | 12.0  | 40%     |
| Windsor County    |        |                   |       |       |       |       |       |         |
| Primary Care      | 34.6   | .8                | 7.9   | 7.1   | 6.3   | 4.2   | 8.2   | 36%     |
| Specialists       | 59.2   | 4.0               | 7.8   | 16.4  | 12.1  | 12.3  | 6.5   | 32%     |

Pathologists, radiologists and telemedicine excluded (see Note 3).  
See Note 4 regarding calculation of hours and FTEs by area.

Table 11 -- VT Physicians, 2018  
 Numbers of Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by County

| Count<br>FTEs<br>Hours | TOTAL                   | PRIMARY<br>CARE<br>TOTAL | SPECIALTY<br>CARE<br>TOTAL |
|------------------------|-------------------------|--------------------------|----------------------------|
| STATEWIDE TOTAL        | 1952<br>1368.1<br>61436 | 627<br>435.9<br>18978    | 1386<br>932.1<br>42458     |
| Addison County         | 90<br>51.4<br>2231      | 42<br>24.4<br>1038       | 50<br>26.9<br>1193         |
| Bennington County      | 134<br>85.2<br>3832     | 44<br>30.5<br>1373       | 92<br>54.7<br>2459         |
| Caledonia County       | 78<br>45.2<br>2034      | 28<br>19.6<br>860        | 53<br>25.6<br>1174         |
| Chittenden County      | 801<br>578.5<br>26031   | 213<br>142.5<br>6068     | 606<br>436.0<br>19963      |
| Essex County           | 4<br>1.6<br>77          | 3<br>1.3<br>67           | 1<br>.3<br>10              |
| Franklin County        | 88<br>66.5<br>2986      | 33<br>29.6<br>1320       | 57<br>36.9<br>1666         |
| Grand Isle County      | 5<br>1.9<br>80          | 4<br>1.9<br>80           | 1<br><.05<br>1             |
| Lamoille County        | 54<br>36.3<br>1685      | 22<br>16.0<br>697        | 34<br>20.3<br>988          |
| Orange County          | 63<br>36.7<br>1694      | 26<br>17.1<br>743        | 40<br>19.6<br>950          |
| Orleans County         | 61<br>40.7<br>1813      | 21<br>15.4<br>700        | 45<br>25.3<br>1114         |
| Rutland County         | 167<br>115.4<br>5483    | 42<br>29.1<br>1403       | 129<br>86.3<br>4080        |
| Washington County      | 190<br>125.3<br>5531    | 56<br>41.2<br>1765       | 141<br>84.1<br>3766        |
| Windham County         | 177<br>88.9<br>3916     | 45<br>32.0<br>1353       | 136<br>56.9<br>2563        |
| Windsor County         | 177<br>93.8<br>4016     | 62<br>34.6<br>1485       | 119<br>59.2<br>2531        |

In this table physicians may be counted more than once (Note 4).  
 Pathologists, radiologists and telemedicine are excluded (Note 3).  
 The statewide total includes 0.6 FTEs that are not localized.

Table 12 -- VT Physicians, 2018  
 Numbers of Primary Care Physicians, Full Time Equivalents  
 (FTEs), and Total Weekly Patient Care Hours, by County

| Count<br>FTEs<br>Hours | PRIMARY<br>CARE<br>TOTAL | FAMILY               | INTERNAL            | OB/GYN             | PEDIATRIC           |
|------------------------|--------------------------|----------------------|---------------------|--------------------|---------------------|
| STATEWIDE TOTAL        | 627<br>435.9<br>18978    | 296<br>198.1<br>8480 | 146<br>93.3<br>4061 | 78<br>61.6<br>2910 | 114<br>83.0<br>3526 |
| Addison County         | 42<br>24.4<br>1038       | 24<br>13.8<br>594    | 7<br>3.2<br>139     | 5<br>3.0<br>129    | 9<br>4.4<br>176     |
| Bennington County      | 44<br>30.5<br>1373       | 22<br>14.0<br>617    | 8<br>4.8<br>245     | 6<br>5.0<br>236    | 8<br>6.7<br>274     |
| Caledonia County       | 28<br>19.6<br>860        | 16<br>10.8<br>473    | 7<br>4.5<br>183     | 2<br>1.5<br>66     | 4<br>2.8<br>138     |
| Chittenden County      | 213<br>142.5<br>6068     | 82<br>51.4<br>2137   | 59<br>39.8<br>1706  | 31<br>23.3<br>1046 | 41<br>27.9<br>1179  |
| Essex County           | 3<br>1.3<br>67           | 2<br>.7<br>27        | 1<br>.5<br>32       | .<br>. .<br>.      | 1<br>.1<br>8        |
| Franklin County        | 33<br>29.6<br>1320       | 15<br>13.0<br>573    | 5<br>3.9<br>175     | 4<br>3.8<br>152    | 9<br>9.0<br>420     |
| Grand Isle County      | 4<br>1.9<br>80           | 2<br>.8<br>32        | 2<br>1.1<br>48      | .<br>. .<br>.      | .<br>. .<br>.       |
| Lamoille County        | 22<br>16.0<br>697        | 17<br>12.7<br>551    | 2<br>1.5<br>60      | 2<br>1.0<br>54     | 1<br>.8<br>32       |
| Orange County          | 26<br>17.1<br>743        | 12<br>8.4<br>362     | 5<br>1.4<br>58      | 4<br>2.5<br>124    | 6<br>4.8<br>199     |
| Orleans County         | 21<br>15.4<br>700        | 10<br>6.6<br>321     | 4<br>2.8<br>125     | 4<br>3.5<br>154    | 3<br>2.5<br>100     |
| Rutland County         | 42<br>29.1<br>1403       | 22<br>13.8<br>621    | 9<br>6.3<br>295     | 6<br>5.2<br>328    | 6<br>3.9<br>160     |
| Washington County      | 56<br>41.2<br>1765       | 29<br>21.1<br>865    | 10<br>7.8<br>327    | 7<br>5.2<br>264    | 10<br>7.1<br>309    |
| Windham County         | 45<br>32.0<br>1353       | 25<br>17.8<br>759    | 7<br>4.4<br>175     | 5<br>4.4<br>192    | 8<br>5.5<br>228     |
| Windsor County         | 62<br>34.6<br>1485       | 23<br>13.3<br>550    | 22<br>10.6<br>469   | 7<br>3.2<br>164    | 10<br>7.4<br>302    |

In this table physicians may be counted more than once (Note 4).  
 The statewide total includes 0.6 FTEs that are not localized.

Table 13 -- VT Physicians, 2018  
 Numbers of Specialty Care Physicians, Full Time Equivalents  
 (FTEs), and Total Weekly Patient Care Hours, by County

| Count<br>FTEs<br>Hours | SPECIALTY<br>CARE<br>TOTAL | ANESTHES-<br>IOLOGY | EMERGENCY<br>MEDICINE | HOSPITALIST         | INTERNAL<br>MEDICINE | NEUROLOGY          | OPHTHALM-<br>OLOGY |
|------------------------|----------------------------|---------------------|-----------------------|---------------------|----------------------|--------------------|--------------------|
| STATE TOTAL            | 1386<br>932.1<br>42458     | 109<br>87.2<br>4163 | 175<br>93.8<br>3857   | 128<br>84.5<br>3891 | 219<br>146.6<br>6800 | 42<br>29.6<br>1331 | 49<br>39.6<br>1777 |
| Addison County         | 50<br>26.9<br>1193         | 3<br>2.2<br>98      | 11<br>5.4<br>219      | 4<br>2.4<br>96      | 5<br>2.4<br>116      | .<br>. .<br>.      | 1<br>1.0<br>45     |
| Bennington County      | 92<br>54.7<br>2459         | 3<br>2.8<br>145     | 18<br>9.0<br>384      | 11<br>7.7<br>345    | 15<br>9.7<br>417     | .<br>. .<br>.      | 8<br>4.3<br>209    |
| Caledonia County       | 53<br>25.6<br>1174         | 2<br>.4<br>16       | 11<br>5.3<br>212      | 5<br>3.6<br>196     | 11<br>3.4<br>145     | 1<br>.8<br>32      | 1<br>.7<br>26      |
| Chittenden County      | 606<br>436.0<br>19963      | 54<br>49.5<br>2389  | 32<br>19.7<br>808     | 36<br>24.5<br>1110  | 119<br>81.4<br>3839  | 33<br>22.6<br>1042 | 24<br>20.1<br>924  |
| Essex County           | 1<br>.3<br>10              | .<br>. .<br>.       | .<br>. .<br>.         | .<br>. .<br>.       | .<br>. .<br>.        | .<br>. .<br>.      | .<br>. .<br>.      |
| Franklin County        | 57<br>36.9<br>1666         | 4<br>3.1<br>133     | 12<br>6.6<br>265      | 6<br>3.4<br>150     | 6<br>3.1<br>144      | 1<br>.2<br>8       | 2<br>1.5<br>61     |
| Grand Isle County      | 1<br><.05<br>1             | .<br>. .<br>.       | .<br>. .<br>.         | .<br>. .<br>.       | 1<br><.05<br>1       | .<br>. .<br>.      | .<br>. .<br>.      |
| Lamoille County        | 34<br>20.3<br>988          | 2<br>.8<br>32       | 9<br>5.2<br>215       | 2<br>2.0<br>126     | 2<br>1.7<br>75       | 1<br>1.0<br>40     | .<br>. .<br>.      |
| Orange County          | 40<br>19.6<br>950          | 4<br>3.6<br>184     | 10<br>4.3<br>198      | 4<br>2.4<br>158     | 3<br>.5<br>18        | 1<br>.2<br>9       | 1<br>1.0<br>40     |
| Orleans County         | 45<br>25.3<br>1114         | 5<br>3.8<br>162     | 12<br>7.0<br>293      | 6<br>2.1<br>100     | 4<br>1.9<br>91       | 1<br>1.0<br>40     | 1<br>1.0<br>40     |
| Rutland County         | 129<br>86.3<br>4080        | 8<br>4.6<br>227     | 19<br>12.3<br>492     | 17<br>11.0<br>510   | 26<br>19.1<br>943    | 2<br>2.0<br>80     | 4<br>4.0<br>179    |
| Washington County      | 141<br>84.1<br>3766        | 10<br>6.2<br>311    | 15<br>9.0<br>361      | 17<br>11.4<br>487   | 17<br>13.5<br>599    | 3<br>1.0<br>49     | 5<br>2.9<br>122    |
| Windham County         | 136<br>56.9<br>2563        | 5<br>3.9<br>197     | 36<br>8.1<br>334      | 8<br>5.3<br>237     | 13<br>4.7<br>195     | 1<br>.8<br>30      | 2<br>1.2<br>46     |
| Windsor County         | 119<br>59.2<br>2531        | 12<br>6.4<br>269    | 4<br>1.9<br>77        | 18<br>8.5<br>377    | 17<br>5.1<br>216     | 1<br><.05<br>1     | 2<br>2.0<br>84     |

(continued on next page)

Table 13 (continued) -- VT Physicians, 2018  
 Numbers of Specialty Care Physicians, Full Time Equivalents  
 (FTEs), and Total Weekly Patient Care Hours, by County

| Count<br>FTEs<br>Hours | SPECIALTY<br>CARE<br>TOTAL | PSYCHIATRY           | GENERAL<br>SURGERY | ORTHOP.<br>SURGERY | OTHER<br>SURGERY   | UROLOGY            | OTHER                |
|------------------------|----------------------------|----------------------|--------------------|--------------------|--------------------|--------------------|----------------------|
| STATE TOTAL            | 1386<br>932.1<br>42458     | 187<br>117.9<br>4948 | 59<br>47.5<br>2457 | 81<br>53.9<br>2626 | 37<br>27.1<br>1445 | 24<br>20.3<br>1051 | 318<br>184.2<br>8110 |
| Addison County         | 50<br>26.9<br>1193         | 6<br>2.1<br>88       | 1<br>.1<br>5       | 2<br>2.0<br>100    | 1<br>1.0<br>50     | 1<br>.9<br>42      | 15<br>7.4<br>334     |
| Bennington County      | 92<br>54.7<br>2459         | 7<br>3.5<br>151      | 5<br>4.1<br>203    | 9<br>5.2<br>226    | 2<br>.9<br>41      | 2<br>1.1<br>65     | 17<br>6.5<br>272     |
| Caledonia County       | 53<br>25.6<br>1174         | 4<br>2.1<br>84       | 2<br>2.0<br>120    | 3<br>2.9<br>133    | .<br>. .<br>.      | 1<br>1.0<br>40     | 12<br>3.5<br>169     |
| Chittenden County      | 606<br>436.0<br>19963      | 71<br>45.0<br>1875   | 14<br>11.3<br>618  | 21<br>17.1<br>810  | 32<br>24.7<br>1330 | 10<br>9.0<br>437   | 175<br>111.1<br>4781 |
| Essex County           | 1<br>.3<br>10              | .<br>. .<br>.        | .<br>. .<br>.      | 1<br>.3<br>10      | .<br>. .<br>.      | .<br>. .<br>.      | .<br>. .<br>.        |
| Franklin County        | 57<br>36.9<br>1666         | 4<br>3.6<br>144      | 4<br>3.9<br>202    | 3<br>3.0<br>140    | .<br>. .<br>.      | 2<br>1.1<br>84     | 14<br>7.4<br>335     |
| Grand Isle County      | 1<br><.05<br>1             | .<br>. .<br>.        | .<br>. .<br>.      | .<br>. .<br>.      | .<br>. .<br>.      | .<br>. .<br>.      | .<br>. .<br>.        |
| Lamoille County        | 34<br>20.3<br>988          | 3<br>1.3<br>50       | 2<br>2.0<br>100    | 5<br>5.0<br>273    | 1<br><.05<br>1     | 1<br>.8<br>50      | 7<br>.5<br>26        |
| Orange County          | 40<br>19.6<br>950          | 5<br>2.2<br>88       | 3<br>2.3<br>90     | 2<br>1.5<br>60     | 1<br>.1<br>4       | 1<br>.5<br>60      | 6<br>1.0<br>41       |
| Orleans County         | 45<br>25.3<br>1114         | 5<br>1.7<br>69       | 5<br>3.9<br>154    | 3<br>1.1<br>82     | .<br>. .<br>.      | .<br>. .<br>.      | 5<br>1.8<br>83       |
| Rutland County         | 129<br>86.3<br>4080        | 18<br>9.7<br>401     | 6<br>5.3<br>385    | 8<br>5.9<br>311    | 2<br>.2<br>8       | 2<br>1.2<br>47     | 19<br>11.0<br>499    |
| Washington County      | 141<br>84.1<br>3766        | 33<br>16.2<br>683    | 6<br>4.7<br>246    | 9<br>5.6<br>289    | 2<br><.05<br>2     | 1<br>.9<br>35      | 27<br>12.7<br>582    |
| Windham County         | 136<br>56.9<br>2563        | 31<br>19.2<br>854    | 3<br>2.8<br>127    | 14<br>2.0<br>98    | 1<br>.2<br>9       | 2<br>1.0<br>40     | 22<br>7.9<br>394     |
| Windsor County         | 119<br>59.2<br>2531        | 24<br>11.3<br>461    | 8<br>5.2<br>208    | 3<br>2.4<br>95     | .<br>. .<br>.      | 5<br>2.8<br>152    | 32<br>13.6<br>592    |

In this table physicians may be counted more than once (Note 4).  
 Pathologists, radiologists & telemedicine are excluded from this table (Note 3).

Table 14 -- VT Physicians, 2018  
 Primary Care Physicians: Ratio of Full Time Equivalents (FTEs)  
 to Population, by County

| County            | FTEs  | Population | FTEs per<br>100,000<br>Population | Population<br>per<br>FTE |
|-------------------|-------|------------|-----------------------------------|--------------------------|
| STATEWIDE TOTAL   | 435.9 | 626,299    | 69.6                              | 1,437                    |
| Addison County    | 24.4  | 36,973     | 66.1                              | 1,513                    |
| Bennington County | 30.5  | 35,631     | 85.5                              | 1,170                    |
| Caledonia County  | 19.6  | 30,302     | 64.7                              | 1,547                    |
| Chittenden County | 142.5 | 164,572    | 86.6                              | 1,155                    |
| Essex County      | 1.3   | 6,250      | 21.6                              | 4,633                    |
| Franklin County   | 29.6  | 49,421     | 59.9                              | 1,670                    |
| Grand Isle County | 1.9   | 7,090      | 26.9                              | 3,721                    |
| Lamoille County   | 16.0  | 25,300     | 63.4                              | 1,578                    |
| Orange County     | 17.1  | 28,999     | 59.1                              | 1,693                    |
| Orleans County    | 15.4  | 26,907     | 57.2                              | 1,749                    |
| Rutland County    | 29.1  | 58,672     | 49.6                              | 2,017                    |
| Washington County | 41.2  | 58,140     | 70.8                              | 1,412                    |
| Windham County    | 32.0  | 42,756     | 74.9                              | 1,335                    |
| Windsor County    | 34.6  | 55,286     | 62.7                              | 1,596                    |

Only primary care physicians are included in this table.  
 An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
 The FTEs are rounded to 1 decimal for display only.  
 The ratios were calculated using the unrounded values,  
 then rounded in turn to 1 decimal for display.

Population estimates are for July 2018, from the Census Bureau  
 (see Note 4 and Note 7).





# **Vermont Physician Practice Characteristics**



Table 15 -- VT Physicians, 2018  
Detailed Specialty List - Counts and FTEs

| SPECIALTY GROUP<br>Specialty       | Number of<br>Physicians | FTEs   |
|------------------------------------|-------------------------|--------|
| TOTAL                              |                         | 1368.1 |
| --- PRIMARY CARE ---               |                         |        |
| FAMILY PRACTICE                    |                         |        |
| Adolescent Medicine (FP)           | 1                       | .1     |
| Family Practice                    | 268                     | 184.1  |
| General Practice                   | 13                      | 5.3    |
| Geriatric Family Medicine          | 9                       | 4.1    |
| Osteopathic Medicine (general)     | 7                       | 4.5    |
| INTERNAL MEDICINE (PRIMARY)        |                         |        |
| Geriatric Internal Medicine        | 19                      | 7.4    |
| Internal Medicine                  | 128                     | 85.9   |
| OB/GYN                             |                         |        |
| Gynecology                         | 16                      | 9.7    |
| Obstetrics                         | 1                       | .2     |
| Obstetrics & Gynecology            | 63                      | 51.7   |
| PEDIATRICS (PRIMARY)               |                         |        |
| Adolescent Medicine (Pediatrics)   | 2                       | .4     |
| Pediatrics (general)               | 113                     | 82.6   |
| --- SPECIALTY CARE ---             |                         |        |
| ANESTHESIOLOGY                     |                         |        |
| Anesthesiology                     | 79                      | 61.8   |
| Critical Care Medicine (Anesthes.) | 5                       | 4.5    |
| Pain Management                    | 10                      | 6.2    |
| Pain Medicine                      | 9                       | 7.3    |
| Pediatric Anesthesiology           | 9                       | 7.4    |
| DERMATOLOGY                        |                         |        |
| Dermatology                        | 26                      | 19.2   |
| Dermatopathology (Dermatology)     | 1                       | .      |
| Pediatric Dermatology              | 1                       | .9     |
| EMERGENCY MEDICINE                 |                         |        |
| Emergency Medicine                 | 193                     | 89.4   |
| Emergency Medicine: Pediatric      | 1                       | .8     |
| Emergency Medicine: Sports         | 5                       | 2.6    |
| Medical Toxicology (Emerg. Med.)   | 2                       | 1.0    |
| HOSPITALIST                        |                         |        |
| Hospitalist                        | 107                     | 72.1   |
| Hospitalist: pediatric             | 7                       | 3.3    |
| INTERNAL MEDICINE (SPECIALTY)      |                         |        |
| Cardiac Electrophysiology          | 10                      | 6.4    |
| Cardiovascular Disease             | 43                      | 27.0   |
| Critical Care Internal Medicine    | 23                      | 8.7    |
| Endocrinology Diabetes & Metabol.  | 17                      | 12.7   |
| Gastroenterology                   | 21                      | 16.0   |
| Hematology (Internal Medicine)     | 9                       | 4.1    |
| Hematology-Oncology (IM)           | 15                      | 7.5    |
| Infectious Disease                 | 15                      | 8.4    |
| Internal Medicine (subspecialty)   | 44                      | .1     |
| Internal Medicine subspecialties   | 1                       | .5     |
| Interventional Cardiology          | 8                       | 5.3    |
| Medical Oncology                   | 14                      | 8.7    |
| Nephrology                         | 23                      | 13.1   |
| Pain Medicine                      | 1                       | .5     |
| Pulmonary Disease                  | 24                      | 10.4   |
| Rheumatology                       | 17                      | 10.8   |
| Sleep Medicine (IM)                | 4                       | 1.2    |
| Transplant Hepatology (IM)         | 1                       | .3     |

continued...

Table 15 -- VT Physicians, 2018  
Detailed Specialty List (continued)

| SPECIALTY GROUP<br>Specialty       | Number of<br>Physicians | FTEs |
|------------------------------------|-------------------------|------|
| NEUROLOGY                          |                         |      |
| Child Neurology                    | 4                       | 1.8  |
| Clinical Neurophysiology           | 10                      | 4.3  |
| Neurology                          | 38                      | 19.9 |
| Sleep Medicine (psych/neuro)       | 1                       | 1.0  |
| Vascular Neurology                 | 6                       | 2.5  |
| OPHTHALMOLOGY                      |                         |      |
| Ophthalmology                      | 48                      | 37.3 |
| Pediatric Ophthalmology            | 3                       | 2.3  |
| PATHOLOGY                          |                         |      |
| Anatomic & Clinical Pathology      | 30                      | .    |
| Anatomic Pathology                 | 19                      | .    |
| Blood Banking/Transfusion Medicine | 3                       | .    |
| Chemical Pathology                 | 4                       | .    |
| Clinical Pathology                 | 4                       | .    |
| Cytopathology                      | 11                      | .    |
| Dermatopathology (Pathology)       | 10                      | .    |
| Forensic Pathology                 | 2                       | .    |
| Hematology (Pathology)             | 8                       | .    |
| Medical Microbiology               | 1                       | .    |
| Molecular Genetic Pathology        | 4                       | .    |
| Neuropathology                     | 1                       | .    |
| Pathology                          | 3                       | .    |
| PEDIATRICS                         |                         |      |
| Adolescent Medicine (subspecialty) | 1                       | .1   |
| Child Abuse Medicine               | 2                       | .1   |
| Develop-Behav Pediatrics           | 4                       | 2.2  |
| Neonatal-perinatal Medicine        | 8                       | 4.3  |
| Neurodevelopmental Disabilities    | 2                       | .3   |
| Pediatric Cardiology               | 6                       | 3.5  |
| Pediatric Critical Care Medicine   | 5                       | 3.9  |
| Pediatric Endocrinology            | 1                       | .7   |
| Pediatric Gastroenterology         | 4                       | 2.9  |
| Pediatric Hematology-oncology      | 3                       | 2.1  |
| Pediatric Infectious Disease       | 3                       | 1.7  |
| Pediatric Nephrology               | 3                       | 2.1  |
| Pediatric Pulmonology              | 4                       | 3.1  |
| Pediatric Rheumatology             | 3                       | .5   |
| Other Pediatrics subspecialties    | 23                      | 6.9  |
| PSYCHIATRY                         |                         |      |
| Addiction Psychiatry               | 15                      | 6.3  |
| Child & Adolescent Psychiatry      | 40                      | 21.4 |
| Forensic Psychiatry                | 4                       | 3.5  |
| Geriatric Psychiatry               | 5                       | 1.9  |
| Psychiatry                         | 141                     | 78.7 |
| Psychiatry & Neurology             | 3                       | 2.2  |
| Psychoanalysis                     | 8                       | 4.0  |
| RADIOLOGY                          |                         |      |
| Diagnostic Radiology               | 208                     | .    |
| Neuroradiology                     | 18                      | .    |
| Nuclear Radiology                  | 2                       | .    |
| Pediatric Radiology                | 8                       | .    |
| Radiation Oncology                 | 16                      | .    |
| Radiology                          | 13                      | .    |
| Vascular/Interventional Radiology  | 7                       | .    |

continued...

Table 15 -- VT Physicians, 2018  
Detailed Specialty List (continued)

| SPECIALTY GROUP<br>Specialty       | Number of<br>Physicians | FTEs |
|------------------------------------|-------------------------|------|
| SURGERY: GENERAL                   | 59                      | 47.5 |
| SURGERY: ORTHOPEDIC                |                         |      |
| Adult Reconstructive Orthopedics   | 9                       | 7.2  |
| Hand Surgery (Orthopedic)          | 11                      | 8.2  |
| Orthopedic Surgery                 | 29                      | 18.9 |
| Orthopedic Surgery Of The Spine    | 5                       | 4.1  |
| Orthopedic Surgery: Sports         | 20                      | 9.9  |
| Orthopedic Trauma                  | 8                       | 4.7  |
| Pediatric Orthopedics              | 1                       | 1.0  |
| SURGERY: OTHER                     |                         |      |
| Abdominal Surgery                  | 4                       | 3.7  |
| Cardiovascular Surgery             | 6                       | 4.0  |
| Colon & Rectal Surgery             | 5                       | 3.1  |
| General Vascular Surgery           | 5                       | 3.5  |
| Neurological Surgery               | 7                       | 5.9  |
| Oral & Maxillofacial Surgery       | 3                       | 2.0  |
| Pediatric Surgery                  | 2                       | 2.0  |
| Surgical Critical Care             | 4                       | 1.8  |
| Thoracic Surgery                   | 2                       | 1.0  |
| URGENT CARE                        | 13                      | 4.1  |
| UROLOGY                            |                         |      |
| Pediatric Urology                  | 2                       | 1.1  |
| Urology                            | 23                      | 19.2 |
| OTHER SPECIALTIES                  |                         |      |
| Acupuncture                        | 2                       | .4   |
| Addiction Medicine                 | 22                      | 8.8  |
| Aerospace Medicine                 | 2                       | .1   |
| Allergy                            | 3                       | .8   |
| Allergy & Immunology               | 4                       | 2.8  |
| Clinical Genetics                  | 2                       | 1.4  |
| Diabetes                           | 1                       | .    |
| Family Medicine: Sports            | 10                      | 6.1  |
| Family Practice (subspecialties)   | 64                      | 15.6 |
| General Practice (in hospital)     | 12                      | 3.3  |
| Geriatric Medicine (subspecialty)  | 8                       | 1.9  |
| Gynecologic Oncology               | 3                       | 2.6  |
| Hand Surgery (Plastic)             | 1                       | .0   |
| Hepatology                         | 1                       | .8   |
| Hospitalist (non-hospital setting) | 20                      | 9.1  |
| Internal Med - hospital inpatient  | 6                       | 5.0  |
| Maternal & Fetal Medicine          | 7                       | 3.8  |
| Medical Genetics                   | 1                       | .5   |
| Nuclear Medicine                   | 3                       | .1   |
| Ob/Gyn (subspecialty)              | 1                       | .9   |
| Occupational Medicine              | 12                      | 4.9  |
| Otolaryngology                     | 20                      | 15.0 |
| Otology/neurotology                | 2                       | 1.8  |
| Pain Medicine (PM)                 | 4                       | 2.9  |
| Palliative Care                    | 17                      | 7.2  |
| Pediatric Otolaryngology           | 2                       | 2.0  |
| Pediatric Rehabilitation Med       | 1                       | .9   |
| Physical Medicine & Rehabilitation | 11                      | 9.1  |
| Plastic Surgery                    | 9                       | 7.1  |
| Plastic Surgery within Head & Neck | 3                       | 1.0  |
| Preventive Medicine                | 3                       | .8   |
| Public Health & General Preventive | 2                       | .9   |
| Reproductive Endocrinology         | 8                       | 6.6  |
| Sleep Medicine                     | 9                       | 3.9  |
| Unlisted Specialty                 | 34                      | 9.8  |
| Urogynecology                      | 3                       | 2.2  |

Note: FTEs not calculated for pathologists, radiologists, and general telemedicine (Note 3)

Table 16 -- VT Physicians, 2018  
Full Time Equivalent (FTEs) by Practice Setting by Specialty

| Specialty Group     | FTEs in Practice Setting |                    |               |                     |               |            |
|---------------------|--------------------------|--------------------|---------------|---------------------|---------------|------------|
|                     | Office                   | Hospital Inpatient | Hospital E.D. | Hospital Outpatient | Health Clinic | All Others |
| TOTAL               | 561.9                    | 169.6              | 91.7          | 306.5               | 149.3         | 89.1       |
| PRIMARY CARE        | 256.0                    | .                  | .             | 44.6                | 117.3         | 18.1       |
| Family Practice     | 106.8                    | .                  | .             | 10.8                | 74.8          | 5.7        |
| Internal Medicine   | 54.8                     | .                  | .             | 4.7                 | 21.4          | 12.4       |
| Ob/Gyn              | 35.5                     | .                  | .             | 18.7                | 7.3           | <.05       |
| Pediatrics          | 58.8                     | .                  | .             | 10.4                | 13.8          | .          |
| SPECIALTY CARE      | 305.9                    | 169.6              | 91.7          | 261.9               | 32.0          | 71.0       |
| Anesthesiology      | 12.3                     | 27.3               | .             | 44.6                | .             | 2.9        |
| Dermatology         | 11.5                     | .                  | .             | 7.6                 | .             | 1.0        |
| Emergency Medicine  | .5                       | .2                 | 88.8          | .6                  | .0            | 3.7        |
| Hospitalist         | .4                       | 75.2               | .2            | 6.6                 | 1.1           | 1.0        |
| Internal Medicine   | 61.5                     | 20.8               | .             | 58.5                | .             | 5.9        |
| Pediatrics          | 4.7                      | 13.4               | .2            | 13.8                | .6            | 1.7        |
| Neurology           | 10.6                     | 1.0                | .9            | 16.1                | 1.0           | .0         |
| Ophthalmology       | 27.2                     | .                  | .             | 12.4                | .             | .          |
| Psychiatry          | 38.6                     | 17.7               | .6            | 12.6                | 25.9          | 22.7       |
| Surgery: General    | 26.1                     | 1.5                | .             | 17.7                | 1.0           | 1.3        |
| Surgery: Orthopedic | 30.0                     | 1.0                | .3            | 21.8                | .             | .9         |
| Surgery: Other      | 11.0                     | 2.5                | .             | 12.8                | .             | .8         |
| Urology             | 13.8                     | .                  | .             | 5.7                 | .5            | .4         |
| Other Specialties   | 57.7                     | 8.9                | .9            | 31.4                | 1.8           | 29.0       |

"Hospital Outpatient" includes "Hospital Inpatient and Outpatient".  
All worksites of each physician are counted in this table (Note 4).  
Pathologists, radiologists and telemedicine excluded (Note 3).

Table 17 -- VT Physicians, 2018  
Detailed Practice Settings

| Practice Setting           | Primary Care |         | Specialty Care |         |
|----------------------------|--------------|---------|----------------|---------|
|                            | FTEs         | Percent | FTEs           | Percent |
| TOTAL                      | 435.9        | 100%    | 932.1          | 100%    |
| Community Health Center    | 117.3        | 27%     | 14.9           | 2%      |
| Extended Care              | 5.7          | 1%      | 1.0            | 0%      |
| Free Clinic                | 1.1          | 0%      | .4             | 0%      |
| Home Health                | .1           | 0%      | .              | .       |
| Hospice Care               | .            | .       | 1.7            | 0%      |
| Hospital (in & outpatient) | 18.5         | 4%      | 173.5          | 19%     |
| Hospital Emergency Dept    | .            | .       | 92.0           | 10%     |
| Hospital Inpatient Dept    | .            | .       | 169.6          | 18%     |
| Hospital Outpatient Dept   | 26.1         | 6%      | 88.5           | 9%      |
| Mental Health Center       | .            | .       | 17.1           | 2%      |
| Psychiatric Hospital       | .            | .       | 12.3           | 1%      |
| Multi-Specialty Group      | 41.7         | 10%     | 90.8           | 10%     |
| Occupational Health        | .            | .       | 2.3            | 0%      |
| School or College          | 1.5          | 0%      | 3.0            | 0%      |
| Single-Specialty Group     | 171.2        | 39%     | 135.3          | 15%     |
| Solo Practice              | 43.1         | 10%     | 80.9           | 9%      |
| Urgent Care / Walk-in      | .            | .       | 15.3           | 2%      |
| VA Clinic                  | 4.6          | 1%      | 1.1            | 0%      |
| VA Hospital                | 5.0          | 1%      | 10.3           | 1%      |
| Other                      | .            | .       | 22.1           | 2%      |

For each practice setting, this table counts the number of active physician FTEs, separately for primary and specialty care. The percentages are based on the TOTAL line. Radiology, pathology, and telemedicine are excluded (Note 3).

Table 18 -- VT Physicians, 2018  
Practice Setting by Age

| Practice Setting         | Total |        | Number in Age Group |       |       |       |       |     |
|--------------------------|-------|--------|---------------------|-------|-------|-------|-------|-----|
|                          |       |        | <35                 | 35-44 | 45-54 | 55-59 | 60-64 | 65+ |
| TOTAL, all settings      | 2473  | (100%) | 132                 | 622   | 655   | 353   | 368   | 343 |
| Solo Practice            | 184   | ( 7%)  | 1                   | 14    | 23    | 31    | 55    | 60  |
| Single-Specialty Group   | 495   | ( 20%) | 22                  | 108   | 147   | 71    | 75    | 72  |
| Multi-Specialty Group    | 203   | ( 8%)  | 6                   | 60    | 50    | 33    | 33    | 21  |
| Hospital Inpatient Dept  | 247   | ( 10%) | 20                  | 94    | 69    | 23    | 31    | 10  |
| Hospital Emergency Dept  | 163   | ( 7%)  | 13                  | 52    | 45    | 22    | 22    | 9   |
| Hospital Outpatient Dept | 182   | ( 7%)  | 14                  | 56    | 41    | 24    | 26    | 21  |
| Hospital In/Outpatient   | 360   | ( 15%) | 28                  | 91    | 102   | 59    | 47    | 33  |
| Psychiatric Hospital     | 24    | ( 1%)  | 1                   | 4     | 7     | 1     | 2     | 9   |
| Laboratory               | 22    | ( 1%)  | 2                   | 11    | 6     | 2     | 1     | .   |
| Urgent Care / Walk-in    | 61    | ( 2%)  | 3                   | 16    | 17    | 14    | 2     | 9   |
| Community Health Center  | 172   | ( 7%)  | 10                  | 30    | 43    | 23    | 29    | 37  |
| Mental Health Center     | 28    | ( 1%)  | .                   | 5     | 2     | 3     | 8     | 10  |
| Home Health              | 1     | ( 0%)  | .                   | .     | 1     | .     | .     | .   |
| Extended Care            | 17    | ( 1%)  | .                   | 3     | 5     | 1     | 3     | 5   |
| Hospice                  | 6     | ( 0%)  | .                   | .     | 4     | 1     | .     | 1   |
| Free Clinic              | 24    | ( 1%)  | .                   | .     | 2     | 2     | 2     | 18  |
| Occupational Health      | 6     | ( 0%)  | .                   | .     | 1     | 2     | 2     | 1   |
| School or College        | 9     | ( 0%)  | .                   | .     | 5     | 1     | 1     | 2   |
| VA Hospital              | 29    | ( 1%)  | 3                   | 3     | 10    | 6     | 2     | 5   |
| VA Clinic                | 7     | ( 0%)  | .                   | 1     | 1     | 3     | .     | 2   |
| Telemedicine             | 18    | ( 1%)  | 1                   | 10    | 3     | 2     | 2     | .   |
| Other                    | 215   | ( 9%)  | 8                   | 64    | 71    | 29    | 25    | 18  |

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



Table 19 -- VT Physicians, 2018  
Average Patient Care Hours per Week,  
by Provider Specialty and Age

| Main Specialty      | Total | Average Patient Care Hours per Week |          |           |           |         | % Working Full Time (%) |
|---------------------|-------|-------------------------------------|----------|-----------|-----------|---------|-------------------------|
|                     |       | All Ages                            | Age < 45 | Age 45-54 | Age 55-64 | Age 65+ |                         |
| ALL SPECIALTIES     | 1956  | 32                                  | 34       | 33        | 33        | 23      | 39%                     |
| PRIMARY CARE        | 615   | 32                                  | 34       | 33        | 33        | 24      | 36%                     |
| Family Practice     | 291   | 30                                  | 32       | 31        | 31        | 24      | 30%                     |
| Internal Medicine   | 142   | 29                                  | 33       | 27        | 35        | 23      | 35%                     |
| Ob/Gyn              | 72    | 41                                  | 43       | 45        | 41        | 28      | 65%                     |
| Pediatrics          | 110   | 32                                  | 33       | 36        | 33        | 21      | 36%                     |
| SPECIALTY CARE      | 1341  | 32                                  | 34       | 32        | 33        | 23      | 41%                     |
| Anesthesiology      | 109   | 38                                  | 45       | 41        | 30        | 36      | 64%                     |
| Dermatology         | 24    | 35                                  | 34       | 37        | 41        | 24      | 50%                     |
| Emergency Medicine  | 170   | 23                                  | 22       | 23        | 25        | 19      | 15%                     |
| Hospitalist         | 117   | 33                                  | 31       | 31        | 41        | .       | 48%                     |
| Internal Medicine   | 215   | 32                                  | 38       | 29        | 34        | 22      | 44%                     |
| Pediatrics          | 55    | 26                                  | 30       | 29        | 19        | 17      | 25%                     |
| Neurology           | 40    | 34                                  | 35       | 33        | 39        | 29      | 45%                     |
| Ophthalmology       | 48    | 37                                  | 40       | 42        | 33        | 29      | 60%                     |
| Psychiatry          | 184   | 27                                  | 30       | 26        | 28        | 23      | 26%                     |
| Surgery: General    | 59    | 44                                  | 43       | 57        | 43        | 18      | 66%                     |
| Surgery: Orthopedic | 77    | 34                                  | 41       | 33        | 35        | 23      | 56%                     |
| Surgery: Other      | 32    | 43                                  | 47       | 41        | 46        | .       | 69%                     |
| Urology             | 23    | 46                                  | 49       | 40        | 45        | .       | 83%                     |
| Urgent Care         | 7     | 28                                  | .        | .         | 39        | .       | 14%                     |
| Other Specialties   | 181   | 30                                  | 35       | 30        | 32        | 18      | 31%                     |

Average hours based on less than 3 people are suppressed.

'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 age.

Pathologists, radiologists and general telemedicine excluded (Note 3).

Table 20 -- VT Physicians, 2018  
Plan to Retire, Leave, or Reduce Hours Within 12 Months

| Specialty           | Total Physicians | Plan to Retire or Leave VT (%) | Plan to Reduce Hours (%) |
|---------------------|------------------|--------------------------------|--------------------------|
| TOTAL               | 2473             | 5%                             | 7%                       |
| PRIMARY CARE        | 615              | 6%                             | 9%                       |
| Family Practice     | 291              | 6%                             | 10%                      |
| Internal Medicine   | 142              | 9%                             | 6%                       |
| Ob/Gyn              | 72               | 6%                             | 10%                      |
| Pediatrics          | 110              | 5%                             | 9%                       |
| SPECIALTY CARE      | 1858             | 4%                             | 6%                       |
| Anesthesiology      | 109              | 11%                            | 12%                      |
| Dermatology         | 27               | 4%                             | 0%                       |
| Emergency Medicine  | 195              | 2%                             | 7%                       |
| Hospitalist         | 119              | 3%                             | 9%                       |
| Internal Medicine   | 265              | 3%                             | 5%                       |
| Pediatrics          | 61               | 7%                             | 8%                       |
| Neurology           | 56               | 5%                             | 7%                       |
| Ophthalmology       | 50               | 6%                             | 4%                       |
| Pathology           | 95               | 4%                             | 2%                       |
| Psychiatry          | 191              | 5%                             | 10%                      |
| Radiology           | 265              | 1%                             | 3%                       |
| Surgery: General    | 59               | 3%                             | 10%                      |
| Surgery: Orthopedic | 77               | 5%                             | 5%                       |
| Surgery: Other      | 33               | 3%                             | 6%                       |
| Urology             | 23               | 9%                             | 0%                       |
| Urgent Care         | 9                | 22%                            | 0%                       |
| Other Specialties   | 224              | 5%                             | 4%                       |

All telemedicine & locum tenens physicians are excluded from this table. Physicians were asked if they plan to retire, or leave their Vermont practice, within the next 12 months, and, separately, whether they plan to reduce their patient care hours in Vermont within the next 12 months. 95 physicians (4%) answered 'yes' to both questions. Physicians who indicated they planned to retire or leave Vermont were excluded from the numerator for the percentage planning to reduce hours. Physicians who did not answer the question on retirement were excluded from calculation of the percentage planning to retire or leave Vermont. Physicians who did not answer the question on reducing hours were excluded from calculation of the percentage planning to reduce hours.

Table 21 -- VT Physicians, 2018  
 Plan to Retire, Leave, or Reduce Hours Within 12 Months

| Specialty           | FTEs   | Plan to Retire or Leave VT (%) | Plan to Reduce Hours (%) |
|---------------------|--------|--------------------------------|--------------------------|
| TOTAL               | 1368.1 | 5%                             | 8%                       |
| PRIMARY CARE        | 435.9  | 5%                             | 9%                       |
| Family Practice     | 198.1  | 5%                             | 10%                      |
| Internal Medicine   | 93.3   | 8%                             | 6%                       |
| Ob/Gyn              | 61.6   | 6%                             | 8%                       |
| Pediatrics          | 83.0   | 3%                             | 8%                       |
| SPECIALTY CARE      | 932.1  | 4%                             | 7%                       |
| Anesthesiology      | 87.2   | 10%                            | 12%                      |
| Dermatology         | 20.1   | 4%                             | 0%                       |
| Emergency Medicine  | 93.8   | 1%                             | 7%                       |
| Hospitalist         | 84.5   | 3%                             | 7%                       |
| Internal Medicine   | 146.6  | 2%                             | 7%                       |
| Pediatrics          | 34.4   | 3%                             | 7%                       |
| Neurology           | 29.6   | 7%                             | 9%                       |
| Ophthalmology       | 39.6   | 4%                             | 4%                       |
| Psychiatry          | 117.9  | 3%                             | 9%                       |
| Surgery: General    | 47.5   | 4%                             | 8%                       |
| Surgery: Orthopedic | 53.9   | 5%                             | 7%                       |
| Surgery: Other      | 27.1   | 4%                             | 7%                       |
| Urology             | 20.3   | 10%                            | 0%                       |
| Urgent Care         | 4.1    | 10%                            | 1%                       |
| Other Specialties   | 125.6  | 5%                             | 4%                       |

All telemedicine & locum tenens physicians are excluded from this table. Percentages here are of the FTEs, not physicians nor sites. Physicians were asked if they plan to retire, or leave their Vermont practice, within the next 12 months, and, separately, whether they plan to reduce their patient care hours in Vermont within the next 12 months. 48.6 FTE physicians (4%) answered 'yes' to both questions. Physicians who indicated they planned to retire or leave Vermont were excluded from the numerator for the percentage planning to reduce hours. Physicians who did not answer the question on retirement were excluded from calculation of the percentage planning to retire or leave Vermont. Physicians who did not answer the question on reducing hours were excluded from calculation of the percentage planning to reduce hours.

Table 22 -- VT Physicians, 2018  
Practice Availability by Specialty - Numbers

| Specialty           | Physicians | Accept New Patients | Participate in Medicaid | Accept New Medicaid Patients | Participate in Medicare | Accept New Medicare Patients |
|---------------------|------------|---------------------|-------------------------|------------------------------|-------------------------|------------------------------|
|                     |            | (%)                 | (%)                     | (%)                          | (%)                     | (%)                          |
| TOTAL               | 1364       | 90%                 | 97%                     | 86%                          | 98%                     | 85%                          |
| PRIMARY CARE        | 566        | 81%                 | 98%                     | 78%                          | 98%                     | 74%                          |
| Family Practice     | 270        | 80%                 | 97%                     | 75%                          | 99%                     | 76%                          |
| Internal Medicine   | 115        | 58%                 | 95%                     | 53%                          | 96%                     | 56%                          |
| Ob/Gyn              | 71         | 100%                | 100%                    | 97%                          | 99%                     | 94%                          |
| Pediatrics          | 110        | 96%                 | 100%                    | 96%                          | n.a.                    | n.a.                         |
| SPECIALTY CARE      | 798        | 96%                 | 96%                     | 92%                          | 97%                     | 92%                          |
| Anesthesiology      | 74         | 100%                | 100%                    | 98%                          | 100%                    | 98%                          |
| Dermatology         | 23         | 95%                 | 76%                     | 67%                          | 100%                    | 95%                          |
| Internal Medicine   | 174        | 99%                 | 100%                    | 98%                          | 100%                    | 98%                          |
| Pediatrics          | 28         | 96%                 | 100%                    | 96%                          | n.a.                    | n.a.                         |
| Neurology           | 37         | 95%                 | 100%                    | 95%                          | 100%                    | 91%                          |
| Ophthalmology       | 48         | 100%                | 100%                    | 98%                          | 100%                    | 98%                          |
| Psychiatry          | 123        | 85%                 | 90%                     | 77%                          | 92%                     | 76%                          |
| Radiology           | 2          | 100%                | 100%                    | 100%                         | 100%                    | 100%                         |
| Surgery: General    | 54         | 98%                 | 98%                     | 98%                          | 98%                     | 98%                          |
| Surgery: Orthopedic | 63         | 98%                 | 100%                    | 98%                          | 98%                     | 95%                          |
| Surgery: Other      | 30         | 100%                | 100%                    | 100%                         | 100%                    | 93%                          |
| Urology             | 21         | 95%                 | 100%                    | 95%                          | 100%                    | 95%                          |
| Other Specialties   | 121        | 97%                 | 92%                     | 88%                          | 92%                     | 87%                          |

\* Pathologists, radiologists, hospitalists & emergency medicine are excluded from this table. See Note 10 regarding tabulation of availability.

Only office settings are included (see Note 11).

Physicians were asked if they accept new patients and if they participate in Medicaid and Medicare for each site where they practice. In this table each physician is counted once, in his or her main specialty. Only sites where the physician works in his or her main specialty are included. A physician is counted as accepting new patients if they accept new patients at any site, and as participating in Medicaid or Medicare if they participate at any site.

Denominators for percentages do not include unknowns.

Table 23 -- VT Physicians, 2018  
Practice Availability by Specialty - FTEs

| Specialty           | FTEs   | Accept New Patients | Participate in Medicaid | Accept New Medicaid Patients | Participate in Medicare | Accept New Medicare Patients |
|---------------------|--------|---------------------|-------------------------|------------------------------|-------------------------|------------------------------|
|                     |        | (%)                 | (%)                     | (%)                          | (%)                     | (%)                          |
| TOTAL               | 1009.4 | 91%                 | 98%                     | 88%                          | 98%                     | 87%                          |
| PRIMARY CARE        | 417.9  | 83%                 | 98%                     | 80%                          | 99%                     | 76%                          |
| Family Practice     | 192.4  | 82%                 | 98%                     | 77%                          | 99%                     | 78%                          |
| Internal Medicine   | 81.0   | 58%                 | 96%                     | 53%                          | 98%                     | 57%                          |
| Ob/Gyn              | 61.6   | 100%                | 100%                    | 97%                          | 99%                     | 95%                          |
| Pediatrics          | 83.0   | 99%                 | 100%                    | 99%                          | n.a.                    | n.a.                         |
| SPECIALTY CARE      | 591.5  | 97%                 | 97%                     | 94%                          | 98%                     | 94%                          |
| Anesthesiology      | 57.0   | 100%                | 100%                    | 98%                          | 100%                    | 98%                          |
| Dermatology         | 19.1   | 94%                 | 77%                     | 66%                          | 100%                    | 94%                          |
| Internal Medicine   | 120.0  | 100%                | 100%                    | 99%                          | 100%                    | 99%                          |
| Pediatrics          | 19.1   | 100%                | 100%                    | 100%                         | n.a.                    | n.a.                         |
| Neurology           | 27.7   | 98%                 | 100%                    | 98%                          | 100%                    | 94%                          |
| Ophthalmology       | 39.6   | 100%                | 100%                    | 97%                          | 100%                    | 97%                          |
| Psychiatry          | 77.4   | 87%                 | 91%                     | 78%                          | 92%                     | 77%                          |
| Surgery: General    | 44.7   | 99%                 | 99%                     | 99%                          | 99%                     | 99%                          |
| Surgery: Orthopedic | 51.8   | 99%                 | 99%                     | 99%                          | 97%                     | 97%                          |
| Surgery: Other      | 24.6   | 100%                | 100%                    | 100%                         | 100%                    | 95%                          |
| Urology             | 19.9   | 95%                 | 100%                    | 94%                          | 100%                    | 94%                          |
| Other Specialties   | 90.7   | 99%                 | 94%                     | 92%                          | 93%                     | 90%                          |

See Note 10 regarding tabulation of availability.  
Only office settings are included (Note 11).  
Each site a physician practices in is counted, weighed by FTEs.  
Pathologists, radiologists, and emergency medicine are excluded here.  
Denominators for percentages do not include unknowns.

See preceding page for similar tabulation with counts rather than FTEs.

Table 24 -- VT Physicians, 2018  
Practice Availability by County - FTEs

| County            | FTEs  | Accept<br>New<br>Patients | Accept New<br>Medicaid<br>Patients | Accept New<br>Medicare<br>Patients |
|-------------------|-------|---------------------------|------------------------------------|------------------------------------|
|                   |       | (%)                       | (%)                                | (%)                                |
| STATEWIDE TOTAL   |       |                           |                                    |                                    |
| Primary Care      | 417.9 | 83%                       | 80%                                | 76%                                |
| Specialists       | 591.5 | 97%                       | 94%                                | 94%                                |
| Addison County    |       |                           |                                    |                                    |
| Primary Care      | 23.3  | 89%                       | 86%                                | 78%                                |
| Specialists       | 14.3  | 100%                      | 100%                               | 100%                               |
| Bennington County |       |                           |                                    |                                    |
| Primary Care      | 27.7  | 77%                       | 77%                                | 70%                                |
| Specialists       | 34.4  | 99%                       | 96%                                | 96%                                |
| Caledonia County  |       |                           |                                    |                                    |
| Primary Care      | 18.8  | 79%                       | 79%                                | 72%                                |
| Specialists       | 15.1  | 100%                      | 96%                                | 95%                                |
| Chittenden County |       |                           |                                    |                                    |
| Primary Care      | 137.5 | 75%                       | 67%                                | 63%                                |
| Specialists       | 313.3 | 97%                       | 94%                                | 93%                                |
| Essex County      |       |                           |                                    |                                    |
| Primary Care      | 1.3   | 63%                       | 63%                                | 59%                                |
| Specialists       | .3    | 100%                      | .                                  | .                                  |
| Franklin County   |       |                           |                                    |                                    |
| Primary Care      | 29.6  | 83%                       | 83%                                | 66%                                |
| Specialists       | 21.2  | 100%                      | 100%                               | 100%                               |
| Grand Isle County |       |                           |                                    |                                    |
| Primary Care      | 1.9   | 100%                      | 99%                                | 100%                               |
| Specialists       | .     |                           |                                    |                                    |
| Lamoille County   |       |                           |                                    |                                    |
| Primary Care      | 15.6  | 84%                       | 78%                                | 83%                                |
| Specialists       | 13.1  | 100%                      | 100%                               | 100%                               |
| Orange County     |       |                           |                                    |                                    |
| Primary Care      | 17.1  | 88%                       | 88%                                | 83%                                |
| Specialists       | 9.8   | 100%                      | 100%                               | 99%                                |
| Orleans County    |       |                           |                                    |                                    |
| Primary Care      | 15.3  | 100%                      | 100%                               | 94%                                |
| Specialists       | 14.9  | 100%                      | 93%                                | 100%                               |
| Rutland County    |       |                           |                                    |                                    |
| Primary Care      | 28.0  | 99%                       | 92%                                | 94%                                |
| Specialists       | 51.7  | 100%                      | 95%                                | 99%                                |
| Washington County |       |                           |                                    |                                    |
| Primary Care      | 40.5  | 87%                       | 87%                                | 86%                                |
| Specialists       | 44.9  | 87%                       | 85%                                | 84%                                |
| Windham County    |       |                           |                                    |                                    |
| Primary Care      | 31.8  | 84%                       | 83%                                | 80%                                |
| Specialists       | 25.4  | 97%                       | 95%                                | 97%                                |
| Windsor County    |       |                           |                                    |                                    |
| Primary Care      | 29.1  | 97%                       | 90%                                | 96%                                |
| Specialists       | 33.0  | 98%                       | 89%                                | 93%                                |

Percentages here are of the FTEs, not physicians nor sites.  
Only office settings are included (see Note 11).  
Pathologists, radiologists, emergency medicine & telemedicine excluded.  
See Note 10 regarding tabulation of availability.

Table 25 -- VT Physicians, 2018  
Main and Secondary Specialties

| Specialty           | Main Specialty |        | Secondary Specialty |      |
|---------------------|----------------|--------|---------------------|------|
|                     | Number         | FTE    | Number              | FTE  |
| TOTAL               | 2473           | 1346.4 | 123                 | 21.7 |
| PRIMARY CARE        | 615            | 432.5  | 20                  | 3.4  |
| Family Practice     | 291            | 197.4  | 5                   | .8   |
| Internal Medicine   | 142            | 92.4   | 4                   | .8   |
| Ob/Gyn              | 72             | 60.6   | 7                   | 1.0  |
| Pediatrics          | 110            | 82.1   | 4                   | .9   |
| SPECIALTY CARE      | 1858           | 913.8  | 103                 | 18.3 |
| Anesthesiology      | 109            | 87.2   | 0                   | .    |
| Dermatology         | 27             | 19.9   | 1                   | .3   |
| Emergency Medicine  | 195            | 93.0   | 5                   | .8   |
| Hospitalist         | 119            | 82.2   | 12                  | 2.3  |
| Internal Medicine   | 265            | 145.2  | 5                   | 1.4  |
| Pediatrics          | 61             | 33.4   | 9                   | 1.0  |
| Neurology           | 56             | 29.1   | 3                   | .5   |
| Ophthalmology       | 50             | 39.4   | 1                   | .3   |
| Pathology           | 95             | .      | 0                   | .    |
| Psychiatry          | 191            | 117.3  | 3                   | .6   |
| Radiology           | 265            | .      | 1                   | .    |
| Surgery: General    | 59             | 47.5   | 0                   | .    |
| Surgery: Orthopedic | 77             | 53.1   | 4                   | .8   |
| Surgery: Other      | 33             | 25.8   | 5                   | 1.2  |
| Urology             | 23             | 20.3   | 1                   | .1   |
| Urgent Care         | 9              | 3.4    | 4                   | .7   |
| Other Specialties   | 224            | 117.2  | 51                  | 8.3  |

For each specialty group, this table counts the number of active physicians who practice in the specialty as their main, or as a secondary (or tertiary, etc), specialty. Most physicians did not report a secondary specialty.

FTEs not computed for pathologists, radiologists and telemedicine (Note 3).

Table 26 -- VT Physicians, 2018  
Use of Email, and Perception of its Benefit

| Specialty           | Total Physicians | Use Email (%) | Feel it is Beneficial (%) |
|---------------------|------------------|---------------|---------------------------|
| TOTAL               | 2126             | 51%           | 46%                       |
| PRIMARY CARE        | 615              | 73%           | 60%                       |
| Family Practice     | 291              | 78%           | 66%                       |
| Internal Medicine   | 142              | 74%           | 59%                       |
| Ob/Gyn              | 72               | 63%           | 44%                       |
| Pediatrics          | 110              | 65%           | 59%                       |
| SPECIALTY CARE      | 1511             | 42%           | 39%                       |
| Anesthesiology      | 109              | 25%           | 32%                       |
| Dermatology         | 24               | 54%           | 46%                       |
| Emergency Medicine  | 170              | 16%           | 27%                       |
| Hospitalist         | 117              | 20%           | 33%                       |
| Internal Medicine   | 215              | 62%           | 49%                       |
| Pediatrics          | 55               | 49%           | 48%                       |
| Neurology           | 40               | 72%           | 50%                       |
| Ophthalmology       | 48               | 35%           | 21%                       |
| Pathology           | 66               | 33%           | 33%                       |
| Psychiatry          | 184              | 49%           | 50%                       |
| Radiology           | 104              | 26%           | 37%                       |
| Surgery: General    | 59               | 46%           | 29%                       |
| Surgery: Orthopedic | 77               | 52%           | 34%                       |
| Surgery: Other      | 32               | 44%           | 38%                       |
| Urology             | 23               | 70%           | 43%                       |
| Urgent Care         | 7                | 14%           | 57%                       |
| Other Specialties   | 181              | 55%           | 46%                       |

Excludes telemedicine.

Physicians were asked if they use email (or other electronic text-based methods) for two-way communication with some of their patients, and, separately, whether they feel that these electronic methods improve, or could improve, their engagement or communication with their patients.

24 physicians (1%) did not answer the first question.

446 physicians said 'no, although my practice offers this option'.

588 physicians said 'no, my practice does not offer this option'.

762 physicians (36%) answered 'yes' to both questions.

Physicians who answered 'my practice does not offer this option' were included in the denominator of the percentage using email.

Physicians who answered 'not sure' were treated as 'no' in the calculation of the percentage feeling that email is beneficial.



**Distribution of Physicians  
by Health Related Geographical Regions:**

**Health Care Areas  
Local Health Districts**



Table 27 -- VT Physicians, 2018  
Age by Health Care Area

| Health Care Area | Total | Number in Age Group |       |       |       |       |     | Age 60+<br>(%) |
|------------------|-------|---------------------|-------|-------|-------|-------|-----|----------------|
|                  |       | <35                 | 35-44 | 45-54 | 55-59 | 60-64 | 65+ |                |
| STATEWIDE TOTAL  |       |                     |       |       |       |       |     |                |
| Total            | 2473  | 132                 | 622   | 655   | 353   | 368   | 343 | 29%            |
| Primary Care     | 615   | 34                  | 132   | 144   | 84    | 105   | 116 | 36%            |
| Specialists      | 1858  | 98                  | 490   | 511   | 269   | 263   | 227 | 26%            |
| Barre            |       |                     |       |       |       |       |     |                |
| Primary Care     | 53    | 7                   | 12    | 9     | 8     | 5     | 12  | 32%            |
| Specialists      | 125   | 6                   | 37    | 25    | 20    | 16    | 21  | 30%            |
| Bennington       |       |                     |       |       |       |       |     |                |
| Primary Care     | 44    | 2                   | 6     | 9     | 6     | 10    | 11  | 48%            |
| Specialists      | 91    | 0                   | 17    | 34    | 16    | 11    | 13  | 26%            |
| Brattleboro      |       |                     |       |       |       |       |     |                |
| Primary Care     | 37    | 0                   | 8     | 7     | 5     | 7     | 10  | 46%            |
| Specialists      | 143   | 6                   | 34    | 34    | 18    | 20    | 31  | 36%            |
| Burlington       |       |                     |       |       |       |       |     |                |
| Primary Care     | 211   | 18                  | 54    | 56    | 23    | 36    | 24  | 28%            |
| Specialists      | 662   | 48                  | 209   | 153   | 92    | 87    | 73  | 24%            |
| Middlebury       |       |                     |       |       |       |       |     |                |
| Primary Care     | 40    | 1                   | 12    | 11    | 4     | 6     | 6   | 30%            |
| Specialists      | 39    | 0                   | 7     | 12    | 12    | 4     | 4   | 21%            |
| Morrisville      |       |                     |       |       |       |       |     |                |
| Primary Care     | 26    | 0                   | 6     | 5     | 3     | 5     | 7   | 46%            |
| Specialists      | 28    | 2                   | 3     | 8     | 4     | 7     | 4   | 39%            |
| Newport          |       |                     |       |       |       |       |     |                |
| Primary Care     | 20    | 1                   | 5     | 6     | 2     | 4     | 2   | 30%            |
| Specialists      | 36    | 1                   | 4     | 10    | 6     | 5     | 10  | 42%            |
| Randolph         |       |                     |       |       |       |       |     |                |
| Primary Care     | 45    | 2                   | 7     | 8     | 5     | 5     | 18  | 51%            |
| Specialists      | 83    | 4                   | 11    | 26    | 16    | 15    | 11  | 31%            |
| Rutland          |       |                     |       |       |       |       |     |                |
| Primary Care     | 40    | 1                   | 5     | 12    | 9     | 7     | 6   | 33%            |
| Specialists      | 123   | 8                   | 24    | 40    | 16    | 23    | 12  | 28%            |
| Springfield      |       |                     |       |       |       |       |     |                |
| Primary Care     | 18    | 1                   | 1     | 4     | 3     | 1     | 8   | 50%            |
| Specialists      | 40    | 1                   | 3     | 14    | 5     | 10    | 7   | 43%            |
| St. Albans       |       |                     |       |       |       |       |     |                |
| Primary Care     | 31    | 1                   | 5     | 6     | 7     | 7     | 5   | 39%            |
| Specialists      | 49    | 3                   | 9     | 13    | 7     | 12    | 5   | 35%            |
| St. Johnsbury    |       |                     |       |       |       |       |     |                |
| Primary Care     | 24    | 0                   | 2     | 6     | 3     | 8     | 5   | 54%            |
| Specialists      | 49    | 2                   | 10    | 16    | 8     | 7     | 6   | 27%            |
| Upper Valley     |       |                     |       |       |       |       |     |                |
| Primary Care     | 8     | 0                   | 2     | 1     | 4     | 1     | 0   | 13%            |
| Specialists      | 3     | 0                   | 0     | 1     | 2     | 0     | 0   | 0%             |
| Windsor          |       |                     |       |       |       |       |     |                |
| Primary Care     | 16    | 0                   | 7     | 2     | 2     | 3     | 2   | 31%            |
| Specialists      | 39    | 3                   | 9     | 11    | 6     | 3     | 7   | 26%            |

See Appendices A and F for the definition of Health Care Areas.  
Each physician is counted once in this table, in their main specialty group, and, independently, in their main service area (see Note 2).  
Telemedicine is only counted in the statewide totals.

Table 28 -- VT Physicians, 2018  
FTEs by Age by Health Care Area

| Health Care Area | Total  | FTEs in Age Group |       |       |       |       |       | Age 60+ |
|------------------|--------|-------------------|-------|-------|-------|-------|-------|---------|
|                  |        | <35               | 35-44 | 45-54 | 55-59 | 60-64 | 65+   | (%)     |
| STATEWIDE TOTAL  |        |                   |       |       |       |       |       |         |
| Total            | 1368.1 | 90.4              | 344.8 | 346.0 | 213.8 | 209.3 | 163.9 | 27%     |
| Primary Care     | 435.9  | 28.4              | 100.4 | 108.0 | 64.0  | 71.6  | 63.5  | 31%     |
| Specialists      | 932.1  | 62.0              | 244.4 | 238.0 | 149.8 | 137.7 | 100.3 | 26%     |
| Barre            |        |                   |       |       |       |       |       |         |
| Primary Care     | 41.2   | 6.0               | 10.4  | 6.2   | 7.3   | 4.1   | 7.2   | 27%     |
| Specialists      | 84.1   | 5.4               | 28.7  | 17.3  | 13.4  | 9.0   | 10.3  | 23%     |
| Bennington       |        |                   |       |       |       |       |       |         |
| Primary Care     | 32.4   | 1.8               | 5.1   | 6.9   | 4.5   | 7.7   | 6.4   | 44%     |
| Specialists      | 53.8   | .                 | 10.6  | 20.3  | 10.3  | 8.2   | 4.4   | 23%     |
| Brattleboro      |        |                   |       |       |       |       |       |         |
| Primary Care     | 25.6   | .                 | 7.1   | 5.0   | 4.0   | 4.4   | 5.2   | 37%     |
| Specialists      | 55.8   | 1.5               | 8.2   | 16.7  | 7.4   | 11.0  | 10.9  | 39%     |
| Burlington       |        |                   |       |       |       |       |       |         |
| Primary Care     | 145.9  | 14.6              | 36.9  | 42.1  | 16.0  | 21.4  | 14.8  | 25%     |
| Specialists      | 436.0  | 35.3              | 144.9 | 96.8  | 61.8  | 56.7  | 40.5  | 22%     |
| Middlebury       |        |                   |       |       |       |       |       |         |
| Primary Care     | 24.4   | 1.0               | 9.3   | 8.2   | 3.2   | 2.1   | .7    | 12%     |
| Specialists      | 26.9   | .                 | 4.6   | 10.3  | 7.5   | 2.8   | 1.7   | 17%     |
| Morrisville      |        |                   |       |       |       |       |       |         |
| Primary Care     | 19.7   | .                 | 4.7   | 3.8   | 2.1   | 3.9   | 5.3   | 47%     |
| Specialists      | 20.4   | 2.0               | 3.0   | 5.7   | 4.2   | 2.7   | 2.8   | 27%     |
| Newport          |        |                   |       |       |       |       |       |         |
| Primary Care     | 16.1   | .8                | 3.7   | 6.0   | 1.7   | 2.5   | 1.5   | 25%     |
| Specialists      | 25.3   | 1.1               | 3.5   | 7.6   | 6.1   | 2.5   | 4.5   | 27%     |
| Randolph         |        |                   |       |       |       |       |       |         |
| Primary Care     | 25.2   | 1.9               | 5.3   | 6.2   | 2.2   | 4.0   | 5.6   | 38%     |
| Specialists      | 42.5   | 2.3               | 7.0   | 12.6  | 9.8   | 7.8   | 3.0   | 26%     |
| Rutland          |        |                   |       |       |       |       |       |         |
| Primary Care     | 29.1   | .6                | 4.5   | 8.7   | 7.9   | 5.5   | 1.9   | 25%     |
| Specialists      | 86.3   | 7.2               | 17.1  | 25.5  | 12.4  | 15.6  | 8.4   | 28%     |
| Springfield      |        |                   |       |       |       |       |       |         |
| Primary Care     | 14.2   | .8                | .8    | 2.8   | 2.6   | 1.0   | 6.3   | 51%     |
| Specialists      | 20.9   | 1.0               | .2    | 5.9   | 3.4   | 6.8   | 3.6   | 50%     |
| St. Albans       |        |                   |       |       |       |       |       |         |
| Primary Care     | 28.1   | 1.0               | 5.0   | 5.5   | 5.9   | 6.4   | 4.4   | 38%     |
| Specialists      | 36.9   | 2.5               | 7.9   | 9.1   | 5.1   | 8.1   | 4.2   | 34%     |
| St. Johnsbury    |        |                   |       |       |       |       |       |         |
| Primary Care     | 16.6   | .                 | 1.7   | 4.2   | 1.9   | 5.6   | 3.1   | 53%     |
| Specialists      | 25.8   | 1.9               | 5.1   | 7.6   | 4.2   | 3.5   | 3.6   | 28%     |
| Upper Valley     |        |                   |       |       |       |       |       |         |
| Primary Care     | 6.5    | .                 | 1.7   | .8    | 3.3   | .8    | .     | 12%     |
| Specialists      | 1.3    | .                 | .     | .1    | .8    | .2    | .2    | 32%     |
| Windsor          |        |                   |       |       |       |       |       |         |
| Primary Care     | 10.3   | .                 | 4.3   | 1.0   | 1.5   | 2.3   | 1.2   | 34%     |
| Specialists      | 16.1   | 1.8               | 3.7   | 2.3   | 3.4   | 2.8   | 2.2   | 31%     |

See Appendices A and F for the definition of Health Care Areas.  
Pathologists, radiologists and telemedicine excluded (see Note 3).  
See Note 4 regarding calculation of hours and FTEs by area.

Table 29 -- VT Physicians, 2018  
 Numbers of Physicians, Full Time Equivalents (FTEs), and  
 Total Weekly Patient Care Hours, by Health Care Area

|                 | Count<br>FTEs<br>Hours | TOTAL                   | PRIMARY<br>CARE<br>TOTAL | SPECIALTY<br>CARE<br>TOTAL |
|-----------------|------------------------|-------------------------|--------------------------|----------------------------|
| STATEWIDE TOTAL |                        | 1952<br>1368.1<br>61436 | 627<br>435.9<br>18978    | 1386<br>932.1<br>42458     |
| Barre           |                        | 190<br>125.3<br>5531    | 56<br>41.2<br>1765       | 141<br>84.1<br>3766        |
| Bennington      |                        | 134<br>86.2<br>3882     | 46<br>32.4<br>1459       | 90<br>53.8<br>2422         |
| Brattleboro     |                        | 167<br>81.4<br>3592     | 37<br>25.6<br>1074       | 134<br>55.8<br>2518        |
| Burlington      |                        | 807<br>581.9<br>26171   | 218<br>145.9<br>6206     | 607<br>436.0<br>19964      |
| Middlebury      |                        | 90<br>51.4<br>2231      | 42<br>24.4<br>1038       | 50<br>26.9<br>1193         |
| Morrisville     |                        | 58<br>40.0<br>1833      | 27<br>19.7<br>843        | 35<br>20.4<br>990          |
| Newport         |                        | 60<br>41.4<br>1855      | 21<br>16.1<br>742        | 45<br>25.3<br>1114         |
| Randolph        |                        | 128<br>67.7<br>3022     | 48<br>25.2<br>1064       | 85<br>42.5<br>1957         |
| Rutland         |                        | 167<br>115.4<br>5483    | 42<br>29.1<br>1403       | 129<br>86.3<br>4080        |
| Springfield     |                        | 58<br>35.1<br>1521      | 20<br>14.2<br>638        | 38<br>20.9<br>883          |
| St. Albans      |                        | 86<br>65.0<br>2927      | 31<br>28.1<br>1261       | 57<br>36.9<br>1666         |
| St. Johnsbury   |                        | 75<br>42.4<br>1922      | 24<br>16.6<br>740        | 53<br>25.8<br>1182         |
| Upper Valley    |                        | 14<br>7.8<br>340        | 8<br>6.5<br>289          | 7<br>1.3<br>51             |
| Windsor         |                        | 52<br>26.5<br>1102      | 17<br>10.3<br>431        | 36<br>16.1<br>671          |

See Appendices A and F for the definition of Health Care Areas.  
 In this table physicians may be counted more than once (Note 4).  
 Pathologists and radiologists are excluded from this table (Note 3).  
 The statewide total includes 0.6 FTEs that are not localized.

Table 30 -- VT Physicians, 2018  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Health Care Area

| Count<br>FTEs<br>Hours | PRIMARY<br>CARE<br>TOTAL | FAMILY               | INTERNAL            | OB/GYN             | PEDIATRIC           |
|------------------------|--------------------------|----------------------|---------------------|--------------------|---------------------|
| STATEWIDE TOTAL        | 627<br>435.9<br>18978    | 296<br>198.1<br>8480 | 146<br>93.3<br>4061 | 78<br>61.6<br>2910 | 114<br>83.0<br>3526 |
| Barre                  | 56<br>41.2<br>1765       | 29<br>21.1<br>865    | 10<br>7.8<br>327    | 7<br>5.2<br>264    | 10<br>7.1<br>309    |
| Bennington             | 46<br>32.4<br>1459       | 24<br>15.9<br>703    | 8<br>4.8<br>245     | 6<br>5.0<br>236    | 8<br>6.7<br>274     |
| Brattleboro            | 37<br>25.6<br>1074       | 21<br>14.1<br>596    | 4<br>2.5<br>98      | 5<br>4.4<br>192    | 7<br>4.7<br>188     |
| Burlington             | 218<br>145.9<br>6206     | 85<br>52.8<br>2192   | 61<br>41.8<br>1789  | 31<br>23.3<br>1046 | 41<br>27.9<br>1179  |
| Middlebury             | 42<br>24.4<br>1038       | 24<br>13.8<br>594    | 7<br>3.2<br>139     | 5<br>3.0<br>129    | 9<br>4.4<br>176     |
| Morrisville            | 27<br>19.7<br>843        | 20<br>14.7<br>630    | 4<br>3.2<br>126     | 2<br>1.0<br>54     | 1<br>.8<br>32       |
| Newport                | 21<br>16.1<br>742        | 9<br>6.6<br>323      | 5<br>3.4<br>157     | 4<br>3.5<br>154    | 4<br>2.6<br>108     |
| Randolph               | 48<br>25.2<br>1064       | 20<br>11.4<br>461    | 17<br>6.1<br>249    | 5<br>3.0<br>154    | 6<br>4.8<br>201     |
| Rutland                | 42<br>29.1<br>1403       | 22<br>13.8<br>621    | 9<br>6.3<br>295     | 6<br>5.2<br>328    | 6<br>3.9<br>160     |
| Springfield            | 20<br>14.2<br>638        | 7<br>5.2<br>222      | 5<br>4.0<br>178     | 5<br>2.7<br>131    | 3<br>2.4<br>106     |
| St. Albans             | 31<br>28.1<br>1261       | 14<br>12.4<br>549    | 4<br>3.0<br>140     | 4<br>3.8<br>152    | 9<br>9.0<br>420     |
| St. Johnsbury          | 24<br>16.6<br>740        | 14<br>9.4<br>419     | 5<br>2.8<br>117     | 2<br>1.5<br>66     | 4<br>2.8<br>138     |
| Upper Valley           | 8<br>6.5<br>289          | 5<br>3.9<br>183      | 1<br>.8<br>30       | 1<br>.1<br>3       | 2<br>1.7<br>73      |
| Windsor                | 17<br>10.3<br>431        | 6<br>3.1<br>123      | 6<br>3.2<br>146     | .<br>. .<br>.      | 5<br>4.1<br>162     |

See Appendices A and F for the definition of Health Care Areas.  
 In this table physicians may be counted more than once (Note 4).  
 The statewide total includes 0.6 FTEs that are not localized.

Table 31 -- VT Physicians, 2018  
 Numbers of Specialty Care Physicians, Full Time Equivalent (FTEs),  
 and Total Weekly Patient Care Hours, by Health Care Area

| Count<br>FTEs<br>Hours | SPECIALTY<br>CARE<br>TOTAL | ANESTHES-<br>IOLOGY | EMERGENCY<br>MEDICINE | HOSPITALIST         | INTERNAL<br>MEDICINE | NEUROLOGY          | OPHTHALM<br>OLOGY  |
|------------------------|----------------------------|---------------------|-----------------------|---------------------|----------------------|--------------------|--------------------|
| STATE TOTAL            | 1386<br>932.1<br>42458     | 109<br>87.2<br>4163 | 175<br>93.8<br>3857   | 128<br>84.5<br>3891 | 219<br>146.6<br>6800 | 42<br>29.6<br>1331 | 49<br>39.6<br>1777 |
| Barre                  | 141<br>84.1<br>3766        | 10<br>6.2<br>311    | 15<br>9.0<br>361      | 17<br>11.4<br>487   | 17<br>13.5<br>599    | 3<br>1.0<br>49     | 5<br>2.9<br>122    |
| Bennington             | 90<br>53.8<br>2422         | 3<br>2.8<br>145     | 19<br>9.1<br>388      | 11<br>7.7<br>345    | 14<br>9.7<br>417     | .<br>. .<br>.      | 8<br>4.3<br>209    |
| Brattleboro            | 134<br>55.8<br>2518        | 5<br>3.9<br>197     | 36<br>8.0<br>330      | 8<br>5.3<br>237     | 13<br>4.7<br>195     | 1<br>.8<br>30      | 2<br>1.2<br>46     |
| Burlington             | 607<br>436.0<br>19964      | 54<br>49.5<br>2389  | 32<br>19.7<br>808     | 36<br>24.5<br>1110  | 120<br>81.4<br>3840  | 33<br>22.6<br>1042 | 24<br>20.1<br>924  |
| Middlebury             | 50<br>26.9<br>1193         | 3<br>2.2<br>98      | 11<br>5.4<br>219      | 4<br>2.4<br>96      | 5<br>2.4<br>116      | .<br>. .<br>.      | 1<br>1.0<br>45     |
| Morrisville            | 35<br>20.4<br>990          | 2<br>.8<br>32       | 9<br>5.2<br>215       | 2<br>2.0<br>126     | 2<br>1.7<br>75       | 1<br>1.0<br>40     | .<br>. .<br>.      |
| Newport                | 45<br>25.3<br>1114         | 5<br>3.8<br>162     | 12<br>7.0<br>293      | 6<br>2.1<br>100     | 4<br>1.9<br>91       | 1<br>1.0<br>40     | 1<br>1.0<br>40     |
| Randolph               | 85<br>42.5<br>1957         | 7<br>5.0<br>238     | 12<br>5.6<br>249      | 7<br>3.4<br>196     | 11<br>3.7<br>158     | 2<br>.3<br>10      | 1<br>1.0<br>40     |
| Rutland                | 129<br>86.3<br>4080        | 8<br>4.6<br>227     | 19<br>12.3<br>492     | 17<br>11.0<br>510   | 26<br>19.1<br>943    | 2<br>2.0<br>80     | 4<br>4.0<br>179    |
| Springfield            | 38<br>20.9<br>883          | 8<br>3.8<br>153     | 1<br>.3<br>12         | 4<br>2.9<br>144     | 6<br>.8<br>31        | .<br>. .<br>.      | 1<br>1.0<br>40     |
| St. Albans             | 57<br>36.9<br>1666         | 4<br>3.1<br>133     | 12<br>6.6<br>265      | 6<br>3.4<br>150     | 6<br>3.1<br>144      | 1<br>.2<br>8       | 2<br>1.5<br>61     |
| St. Johnsbury          | 53<br>25.8<br>1182         | 2<br>.4<br>16       | 11<br>5.3<br>212      | 5<br>3.6<br>196     | 11<br>3.4<br>145     | 1<br>.8<br>32      | 1<br>.7<br>26      |
| Upper Valley           | 7<br>1.3<br>51             | .<br>. .<br>.       | .<br>. .<br>.         | .<br>. .<br>.       | .<br>. .<br>.        | .<br>. .<br>.      | .<br>. .<br>.      |
| Windsor                | 36<br>16.1<br>671          | 3<br>1.2<br>62      | 2<br>.4<br>14         | 11<br>4.7<br>195    | 4<br>1.1<br>45       | .<br>. .<br>.      | 1<br>1.0<br>44     |

(continued on next page)

Table 31 (continued) -- VT Physicians, 2018  
 Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Health Care Area

| Count<br>FTEs<br>Hours | SPECIALTY CARE |            |                 |                 |               |         |       |
|------------------------|----------------|------------|-----------------|-----------------|---------------|---------|-------|
|                        | TOTAL          | PSYCHIATRY | GENERAL SURGERY | ORTHOP. SURGERY | OTHER SURGERY | UROLOGY | OTHER |
| STATE TOTAL            | 1386           | 187        | 59              | 81              | 37            | 24      | 318   |
|                        | 932.1          | 117.9      | 47.5            | 53.9            | 27.1          | 20.3    | 184.2 |
|                        | 42458          | 4948       | 2457            | 2626            | 1445          | 1051    | 8110  |
| Barre                  | 141            | 33         | 6               | 9               | 2             | 1       | 27    |
|                        | 84.1           | 16.2       | 4.7             | 5.6             | <.05          | .9      | 12.7  |
|                        | 3766           | 683        | 246             | 289             | 2             | 35      | 582   |
| Bennington             | 90             | 7          | 5               | 7               | 2             | 2       | 16    |
|                        | 53.8           | 3.5        | 4.1             | 4.1             | .9            | 1.1     | 6.5   |
|                        | 2422           | 151        | 203             | 184             | 41            | 65      | 274   |
| Brattleboro            | 134            | 28         | 3               | 16              | 1             | 2       | 22    |
|                        | 55.8           | 17.2       | 2.8             | 3.0             | .2            | 1.0     | 7.9   |
|                        | 2518           | 773        | 127             | 140             | 9             | 40      | 393   |
| Burlington             | 607            | 71         | 14              | 21              | 32            | 10      | 175   |
|                        | 436.0          | 45.0       | 11.3            | 17.1            | 24.7          | 9.0     | 111.1 |
|                        | 19964          | 1875       | 618             | 810             | 1330          | 437     | 4781  |
| Middlebury             | 50             | 6          | 1               | 2               | 1             | 1       | 15    |
|                        | 26.9           | 2.1        | .1              | 2.0             | 1.0           | .9      | 7.4   |
|                        | 1193           | 88         | 5               | 100             | 50            | 42      | 334   |
| Morrisville            | 35             | 3          | 2               | 5               | 1             | 1       | 8     |
|                        | 20.4           | 1.3        | 2.0             | 5.0             | <.05          | .8      | .5    |
|                        | 990            | 50         | 100             | 273             | 1             | 50      | 28    |
| Newport                | 45             | 5          | 5               | 3               | .             | .       | 5     |
|                        | 25.3           | 1.7        | 3.9             | 1.1             | .             | .       | 1.8   |
|                        | 1114           | 69         | 154             | 82              | .             | .       | 83    |
| Randolph               | 85             | 21         | 6               | 2               | 1             | 2       | 19    |
|                        | 42.5           | 10.3       | 3.5             | 1.5             | .1            | 1.3     | 7.0   |
|                        | 1957           | 424        | 140             | 60              | 4             | 130     | 309   |
| Rutland                | 129            | 18         | 6               | 8               | 2             | 2       | 19    |
|                        | 86.3           | 9.7        | 5.3             | 5.9             | .2            | 1.2     | 11.0  |
|                        | 4080           | 401        | 385             | 311             | 8             | 47      | 499   |
| Springfield            | 38             | 6          | 3               | 3               | .             | 1       | 5     |
|                        | 20.9           | 3.1        | 2.4             | 2.4             | .             | 1.0     | 3.2   |
|                        | 883            | 125        | 98              | 95              | .             | 40      | 146   |
| St. Albans             | 57             | 4          | 4               | 3               | .             | 2       | 14    |
|                        | 36.9           | 3.6        | 3.9             | 3.0             | .             | 1.1     | 7.4   |
|                        | 1666           | 144        | 202             | 140             | .             | 84      | 335   |
| St. Johnsbury          | 53             | 4          | 2               | 4               | .             | 1       | 11    |
|                        | 25.8           | 2.1        | 2.0             | 3.1             | .             | 1.0     | 3.4   |
|                        | 1182           | 84         | 120             | 143             | .             | 40      | 167   |
| Upper Valley           | 7              | 4          | .               | .               | .             | .       | 3     |
|                        | 1.3            | 1.2        | .               | .               | .             | .       | .1    |
|                        | 51             | 46         | .               | .               | .             | .       | 5     |
| Windsor                | 36             | 3          | 2               | .               | .             | 2       | 10    |
|                        | 16.1           | .9         | 1.5             | .               | .             | 1.1     | 4.3   |
|                        | 671            | 35         | 60              | .               | .             | 42      | 173   |

See Appendices A and F for definition of the Health Care Areas.  
 In this table physicians may be counted more than once (Note 4).  
 Pathologists, radiologists & telemedicine excluded (Note 3).



Table 32 -- VT Physicians, 2018  
 Primary Care Physicians: Ratio of Full Time Equivalents  
 (FTEs) to Population, by Health Care Area

| Health Care Area | FTEs  | Population | FTEs per<br>100,000<br>Population | Population<br>per<br>FTE |
|------------------|-------|------------|-----------------------------------|--------------------------|
| STATEWIDE TOTAL  | 435.9 | 626,299    | 69.6                              | 1,437                    |
| Barre            | 41.2  | 63,858     | 64.5                              | 1,551                    |
| Bennington       | 32.4  | 38,553     | 83.9                              | 1,191                    |
| Brattleboro      | 25.6  | 31,495     | 81.3                              | 1,229                    |
| Burlington       | 145.9 | 180,581    | 80.8                              | 1,238                    |
| Middlebury       | 24.4  | 28,517     | 85.7                              | 1,167                    |
| Morrisville      | 19.7  | 30,271     | 65.0                              | 1,539                    |
| Newport          | 16.1  | 27,804     | 57.9                              | 1,727                    |
| Randolph         | 25.2  | 35,056     | 71.9                              | 1,390                    |
| Rutland          | 29.1  | 59,370     | 49.0                              | 2,041                    |
| Springfield      | 14.2  | 27,641     | 51.5                              | 1,940                    |
| St. Albans       | 28.1  | 45,880     | 61.3                              | 1,632                    |
| St. Johnsbury    | 16.6  | 27,878     | 59.5                              | 1,681                    |
| Upper Valley     | 6.5   | 16,363     | 39.7                              | 2,518                    |
| Windsor          | 10.3  | 13,032     | 79.2                              | 1,263                    |

Only primary care physicians are included in this table.  
 An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
 The FTEs are rounded to 1 decimal for display only.  
 The ratios were calculated using the unrounded values,  
 then rounded in turn to 1 decimal for display.

See Appendices A and F for the definition of Health Care Areas.

Population estimates are for July 2018, from the Census Bureau  
 (see Note 4 and Note 7).

Table 33 -- VT Physicians, 2018  
Age by Local Health District

| Local Health District | Total | Number in Age Group |       |       |       |       |     | Age 60+ |
|-----------------------|-------|---------------------|-------|-------|-------|-------|-----|---------|
|                       |       | <35                 | 35-44 | 45-54 | 55-59 | 60-64 | 65+ |         |
| STATEWIDE TOTAL       |       |                     |       |       |       |       |     |         |
| Total                 | 2473  | 132                 | 622   | 655   | 353   | 368   | 343 | 29%     |
| Primary Care          | 615   | 34                  | 132   | 144   | 84    | 105   | 116 | 36%     |
| Specialists           | 1858  | 98                  | 490   | 511   | 269   | 263   | 227 | 26%     |
| Barre                 |       |                     |       |       |       |       |     |         |
| Primary Care          | 53    | 7                   | 12    | 9     | 8     | 5     | 12  | 32%     |
| Specialists           | 123   | 6                   | 36    | 25    | 20    | 16    | 20  | 29%     |
| Bennington            |       |                     |       |       |       |       |     |         |
| Primary Care          | 42    | 2                   | 5     | 8     | 6     | 10    | 11  | 50%     |
| Specialists           | 94    | 0                   | 17    | 35    | 16    | 12    | 14  | 28%     |
| Brattleboro           |       |                     |       |       |       |       |     |         |
| Primary Care          | 39    | 0                   | 9     | 8     | 5     | 7     | 10  | 44%     |
| Specialists           | 137   | 6                   | 33    | 34    | 16    | 18    | 30  | 35%     |
| Burlington            |       |                     |       |       |       |       |     |         |
| Primary Care          | 207   | 18                  | 53    | 55    | 23    | 34    | 24  | 28%     |
| Specialists           | 662   | 48                  | 209   | 152   | 92    | 87    | 74  | 24%     |
| Middlebury            |       |                     |       |       |       |       |     |         |
| Primary Care          | 40    | 1                   | 12    | 11    | 4     | 6     | 6   | 30%     |
| Specialists           | 39    | 0                   | 7     | 12    | 12    | 4     | 4   | 21%     |
| Morrisville           |       |                     |       |       |       |       |     |         |
| Primary Care          | 26    | 0                   | 6     | 5     | 3     | 5     | 7   | 46%     |
| Specialists           | 25    | 2                   | 3     | 7     | 4     | 6     | 3   | 36%     |
| Newport               |       |                     |       |       |       |       |     |         |
| Primary Care          | 20    | 1                   | 5     | 6     | 2     | 4     | 2   | 30%     |
| Specialists           | 36    | 1                   | 4     | 10    | 6     | 5     | 10  | 42%     |
| Rutland               |       |                     |       |       |       |       |     |         |
| Primary Care          | 40    | 1                   | 5     | 12    | 9     | 7     | 6   | 33%     |
| Specialists           | 122   | 8                   | 24    | 39    | 16    | 23    | 12  | 29%     |
| Springfield           |       |                     |       |       |       |       |     |         |
| Primary Care          | 28    | 1                   | 5     | 6     | 5     | 3     | 8   | 39%     |
| Specialists           | 82    | 4                   | 13    | 24    | 13    | 14    | 14  | 34%     |
| St. Albans            |       |                     |       |       |       |       |     |         |
| Primary Care          | 35    | 1                   | 6     | 7     | 7     | 9     | 5   | 40%     |
| Specialists           | 50    | 3                   | 9     | 14    | 7     | 12    | 5   | 34%     |
| St. Johnsbury         |       |                     |       |       |       |       |     |         |
| Primary Care          | 28    | 0                   | 3     | 6     | 6     | 8     | 5   | 46%     |
| Specialists           | 53    | 2                   | 10    | 17    | 9     | 8     | 7   | 28%     |
| Wht Rvr Jct           |       |                     |       |       |       |       |     |         |
| Primary Care          | 55    | 2                   | 11    | 9     | 6     | 7     | 20  | 49%     |
| Specialists           | 87    | 4                   | 12    | 28    | 17    | 15    | 11  | 30%     |

Each physician is counted once in this table, in their main specialty group, and, independently, in their main district (see Note 2). Telemedicine is only counted in the statewide totals.

Table 34 -- VT Physicians, 2018  
FTEs by Age by Local Health District

| District        | Total  | FTEs in Age Group |       |       |       |       |       | Age 60+ |
|-----------------|--------|-------------------|-------|-------|-------|-------|-------|---------|
|                 |        | <35               | 35-44 | 45-54 | 55-59 | 60-64 | 65+   | (%)     |
| STATEWIDE TOTAL |        |                   |       |       |       |       |       |         |
| Total           | 1368.1 | 90.4              | 344.8 | 346.0 | 213.8 | 209.3 | 163.9 | 27%     |
| Primary Care    | 435.9  | 28.4              | 100.4 | 108.0 | 64.0  | 71.6  | 63.5  | 31%     |
| Specialists     | 932.1  | 62.0              | 244.4 | 238.0 | 149.8 | 137.7 | 100.3 | 26%     |
| Barre           |        |                   |       |       |       |       |       |         |
| Primary Care    | 41.2   | 6.0               | 10.4  | 6.2   | 7.3   | 4.1   | 7.2   | 27%     |
| Specialists     | 84.1   | 5.4               | 28.7  | 17.3  | 13.4  | 9.0   | 10.3  | 23%     |
| Bennington      |        |                   |       |       |       |       |       |         |
| Primary Care    | 30.5   | 1.8               | 4.2   | 5.9   | 4.5   | 7.7   | 6.4   | 46%     |
| Specialists     | 54.7   | .                 | 10.6  | 20.3  | 10.3  | 9.2   | 4.4   | 25%     |
| Brattleboro     |        |                   |       |       |       |       |       |         |
| Primary Care    | 27.5   | .                 | 8.0   | 6.0   | 4.0   | 4.4   | 5.2   | 35%     |
| Specialists     | 54.9   | 1.5               | 8.2   | 16.8  | 7.4   | 10.0  | 11.0  | 38%     |
| Burlington      |        |                   |       |       |       |       |       |         |
| Primary Care    | 142.5  | 14.6              | 36.2  | 41.1  | 15.9  | 19.9  | 14.8  | 24%     |
| Specialists     | 436.0  | 35.3              | 144.9 | 96.8  | 61.8  | 56.7  | 40.5  | 22%     |
| Middlebury      |        |                   |       |       |       |       |       |         |
| Primary Care    | 24.4   | 1.0               | 9.3   | 8.2   | 3.2   | 2.1   | .7    | 12%     |
| Specialists     | 26.9   | .                 | 4.6   | 10.3  | 7.5   | 2.8   | 1.7   | 17%     |
| Morrisville     |        |                   |       |       |       |       |       |         |
| Primary Care    | 19.7   | .                 | 4.7   | 3.8   | 2.1   | 3.9   | 5.3   | 47%     |
| Specialists     | 20.4   | 2.0               | 3.0   | 5.7   | 4.2   | 2.7   | 2.8   | 27%     |
| Newport         |        |                   |       |       |       |       |       |         |
| Primary Care    | 16.1   | .8                | 3.7   | 6.0   | 1.7   | 2.5   | 1.5   | 25%     |
| Specialists     | 25.3   | 1.1               | 3.5   | 7.6   | 6.1   | 2.5   | 4.5   | 27%     |
| Rutland         |        |                   |       |       |       |       |       |         |
| Primary Care    | 29.1   | .6                | 4.5   | 8.7   | 7.9   | 5.5   | 1.9   | 25%     |
| Specialists     | 86.3   | 7.2               | 17.1  | 25.5  | 12.4  | 15.6  | 8.4   | 28%     |
| Springfield     |        |                   |       |       |       |       |       |         |
| Primary Care    | 19.7   | .8                | 2.6   | 3.8   | 4.1   | 2.1   | 6.3   | 43%     |
| Specialists     | 36.9   | 2.8               | 3.9   | 8.2   | 6.7   | 9.6   | 5.7   | 41%     |
| St. Albans      |        |                   |       |       |       |       |       |         |
| Primary Care    | 31.5   | 1.0               | 5.8   | 6.5   | 6.0   | 7.8   | 4.4   | 39%     |
| Specialists     | 36.9   | 2.5               | 7.9   | 9.1   | 5.1   | 8.1   | 4.2   | 34%     |
| St. Johnsbury   |        |                   |       |       |       |       |       |         |
| Primary Care    | 19.7   | .                 | 2.5   | 4.2   | 4.2   | 5.6   | 3.1   | 44%     |
| Specialists     | 25.9   | 1.9               | 5.1   | 7.6   | 4.2   | 3.5   | 3.6   | 28%     |
| Wht Rvr Jct     |        |                   |       |       |       |       |       |         |
| Primary Care    | 33.4   | 1.9               | 8.7   | 7.1   | 3.1   | 5.9   | 6.8   | 38%     |
| Specialists     | 43.9   | 2.3               | 7.1   | 12.7  | 10.5  | 8.0   | 3.3   | 26%     |

Pathologists, radiologists and telemedicine excluded (see Note 3).  
See Note 4 regarding calculation of hours and FTEs by area.

Table 35 -- VT Physicians, 2018  
 Numbers of Physicians, Full Time Equivalent (FTEs), and  
 Total Weekly Patient Care Hours, by Local Health District

|                 | Count<br>FTEs<br>Hours | TOTAL                   | PRIMARY<br>CARE<br>TOTAL | SPECIALTY<br>CARE<br>TOTAL |
|-----------------|------------------------|-------------------------|--------------------------|----------------------------|
| STATEWIDE TOTAL |                        | 1952<br>1368.1<br>61436 | 627<br>435.9<br>18978    | 1386<br>932.1<br>42458     |
| Barre           |                        | 190<br>125.3<br>5531    | 56<br>41.2<br>1765       | 141<br>84.1<br>3766        |
| Bennington      |                        | 134<br>85.2<br>3832     | 44<br>30.5<br>1373       | 92<br>54.7<br>2459         |
| Brattleboro     |                        | 167<br>82.4<br>3641     | 39<br>27.5<br>1160       | 132<br>54.9<br>2481        |
| Burlington      |                        | 801<br>578.5<br>26031   | 213<br>142.5<br>6068     | 606<br>436.0<br>19963      |
| Middlebury      |                        | 90<br>51.4<br>2231      | 42<br>24.4<br>1038       | 50<br>26.9<br>1193         |
| Morrisville     |                        | 58<br>40.0<br>1833      | 27<br>19.7<br>843        | 35<br>20.4<br>990          |
| Newport         |                        | 60<br>41.4<br>1855      | 21<br>16.1<br>742        | 45<br>25.3<br>1114         |
| Rutland         |                        | 167<br>115.4<br>5483    | 42<br>29.1<br>1403       | 129<br>86.3<br>4080        |
| Springfield     |                        | 100<br>56.6<br>2405     | 30<br>19.7<br>856        | 70<br>36.9<br>1550         |
| St. Albans      |                        | 93<br>68.4<br>3066      | 37<br>31.5<br>1399       | 58<br>36.9<br>1666         |
| St. Johnsbury   |                        | 80<br>45.6<br>2072      | 28<br>19.7<br>890        | 54<br>25.9<br>1182         |
| Wht Rvr Jct     |                        | 141<br>77.3<br>3429     | 59<br>33.4<br>1416       | 89<br>43.9<br>2013         |

In this table physicians may be counted more than once (Note 4).  
 Pathologists, radiologists & telemedicine excluded (Note 3).  
 The statewide total includes 0.6 FTEs that are not localized.

Table 36 -- VT Physicians, 2018  
 Numbers of Primary Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Local Health District

| Count<br>FTEs<br>Hours | PRIMARY<br>CARE<br>TOTAL | FAMILY               | INTERNAL            | OB/GYN             | PEDIATRIC           |
|------------------------|--------------------------|----------------------|---------------------|--------------------|---------------------|
| STATEWIDE TOTAL        | 627<br>435.9<br>18978    | 296<br>198.1<br>8480 | 146<br>93.3<br>4061 | 78<br>61.6<br>2910 | 114<br>83.0<br>3526 |
| Barre                  | 56<br>41.2<br>1765       | 29<br>21.1<br>865    | 10<br>7.8<br>327    | 7<br>5.2<br>264    | 10<br>7.1<br>309    |
| Bennington             | 44<br>30.5<br>1373       | 22<br>14.0<br>617    | 8<br>4.8<br>245     | 6<br>5.0<br>236    | 8<br>6.7<br>274     |
| Brattleboro            | 39<br>27.5<br>1160       | 23<br>16.0<br>682    | 4<br>2.5<br>98      | 5<br>4.4<br>192    | 7<br>4.7<br>188     |
| Burlington             | 213<br>142.5<br>6068     | 82<br>51.4<br>2137   | 59<br>39.8<br>1706  | 31<br>23.3<br>1046 | 41<br>27.9<br>1179  |
| Middlebury             | 42<br>24.4<br>1038       | 24<br>13.8<br>594    | 7<br>3.2<br>139     | 5<br>3.0<br>129    | 9<br>4.4<br>176     |
| Morrisville            | 27<br>19.7<br>843        | 20<br>14.7<br>630    | 4<br>3.2<br>126     | 2<br>1.0<br>54     | 1<br>.8<br>32       |
| Newport                | 21<br>16.1<br>742        | 9<br>6.6<br>323      | 5<br>3.4<br>157     | 4<br>3.5<br>154    | 4<br>2.6<br>108     |
| Rutland                | 42<br>29.1<br>1403       | 22<br>13.8<br>621    | 9<br>6.3<br>295     | 6<br>5.2<br>328    | 6<br>3.9<br>160     |
| Springfield            | 30<br>19.7<br>856        | 11<br>7.1<br>297     | 8<br>5.0<br>220     | 5<br>2.7<br>131    | 6<br>4.9<br>207     |
| St. Albans             | 37<br>31.5<br>1399       | 17<br>13.8<br>604    | 7<br>5.0<br>223     | 4<br>3.8<br>152    | 9<br>9.0<br>420     |
| St. Johnsbury          | 28<br>19.7<br>890        | 18<br>12.5<br>566    | 5<br>2.8<br>117     | 3<br>1.6<br>69     | 4<br>2.8<br>138     |
| Wht Rvr Jct            | 59<br>33.4<br>1416       | 23<br>13.5<br>545    | 21<br>9.0<br>383    | 5<br>3.0<br>154    | 10<br>8.1<br>334    |

In this table physicians may be counted more than once (Note 4).  
 The statewide total includes 0.6 FTEs that are not localized.

Table 37 -- VT Physicians, 2018  
 Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Local Health District

| Count<br>FTEs<br>Hours | SPECIALTY<br>CARE<br>TOTAL | ANESTHES-<br>IOLOGY | EMERGENCY<br>MEDICINE | HOSPITALIST         | INTERNAL<br>MEDICINE | NEUROLOGY          | OPHTHALM<br>OLOGY  |
|------------------------|----------------------------|---------------------|-----------------------|---------------------|----------------------|--------------------|--------------------|
| STATE TOTAL            | 1386<br>932.1<br>42458     | 109<br>87.2<br>4163 | 175<br>93.8<br>3857   | 128<br>84.5<br>3891 | 219<br>146.6<br>6800 | 42<br>29.6<br>1331 | 49<br>39.6<br>1777 |
| Barre                  | 141<br>84.1<br>3766        | 10<br>6.2<br>311    | 15<br>9.0<br>361      | 17<br>11.4<br>487   | 17<br>13.5<br>599    | 3<br>1.0<br>49     | 5<br>2.9<br>122    |
| Bennington             | 92<br>54.7<br>2459         | 3<br>2.8<br>145     | 18<br>9.0<br>384      | 11<br>7.7<br>345    | 15<br>9.7<br>417     | .<br>. .<br>.      | 8<br>4.3<br>209    |
| Brattleboro            | 132<br>54.9<br>2481        | 5<br>3.9<br>197     | 36<br>8.1<br>334      | 8<br>5.3<br>237     | 12<br>4.7<br>195     | 1<br>.8<br>30      | 2<br>1.2<br>46     |
| Burlington             | 606<br>436.0<br>19963      | 54<br>49.5<br>2389  | 32<br>19.7<br>808     | 36<br>24.5<br>1110  | 119<br>81.4<br>3839  | 33<br>22.6<br>1042 | 24<br>20.1<br>924  |
| Middlebury             | 50<br>26.9<br>1193         | 3<br>2.2<br>98      | 11<br>5.4<br>219      | 4<br>2.4<br>96      | 5<br>2.4<br>116      | .<br>. .<br>.      | 1<br>1.0<br>45     |
| Morrisville            | 35<br>20.4<br>990          | 2<br>.8<br>32       | 9<br>5.2<br>215       | 2<br>2.0<br>126     | 2<br>1.7<br>75       | 1<br>1.0<br>40     | .<br>. .<br>.      |
| Newport                | 45<br>25.3<br>1114         | 5<br>3.8<br>162     | 12<br>7.0<br>293      | 6<br>2.1<br>100     | 4<br>1.9<br>91       | 1<br>1.0<br>40     | 1<br>1.0<br>40     |
| Rutland                | 129<br>86.3<br>4080        | 8<br>4.6<br>227     | 19<br>12.3<br>492     | 17<br>11.0<br>510   | 26<br>19.1<br>943    | 2<br>2.0<br>80     | 4<br>4.0<br>179    |
| Springfield            | 70<br>36.9<br>1550         | 10<br>5.0<br>215    | 2<br>.7<br>26         | 15<br>7.6<br>339    | 10<br>1.9<br>77      | .<br>. .<br>.      | 2<br>2.0<br>84     |
| St. Albans             | 58<br>36.9<br>1666         | 4<br>3.1<br>133     | 12<br>6.6<br>265      | 6<br>3.4<br>150     | 7<br>3.2<br>145      | 1<br>.2<br>8       | 2<br>1.5<br>61     |
| St. Johnsbury          | 54<br>25.9<br>1182         | 2<br>.4<br>16       | 11<br>5.3<br>212      | 5<br>3.6<br>196     | 11<br>3.4<br>145     | 1<br>.8<br>32      | 1<br>.7<br>26      |
| Wht Rvr Jct            | 89<br>43.9<br>2013         | 7<br>5.0<br>238     | 12<br>5.6<br>249      | 7<br>3.4<br>196     | 11<br>3.7<br>158     | 2<br>.3<br>10      | 1<br>1.0<br>40     |

(continued on next page)

Table 37 (continued) -- VT Physicians, 2018  
 Numbers of Specialty Care Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by Local Health District

| Count<br>FTEs<br>Hours | SPECIALTY<br>CARE      | PSYCHIATRY           | GENERAL<br>SURGERY | ORTHOP.<br>SURGERY | OTHER<br>SURGERY   | UROLOGY            | OTHER                |
|------------------------|------------------------|----------------------|--------------------|--------------------|--------------------|--------------------|----------------------|
|                        | TOTAL                  |                      |                    |                    |                    |                    |                      |
| STATE TOTAL            | 1386<br>932.1<br>42458 | 187<br>117.9<br>4948 | 59<br>47.5<br>2457 | 81<br>53.9<br>2626 | 37<br>27.1<br>1445 | 24<br>20.3<br>1051 | 318<br>184.2<br>8110 |
| Barre                  | 141<br>84.1<br>3766    | 33<br>16.2<br>683    | 6<br>4.7<br>246    | 9<br>5.6<br>289    | 2<br><.05<br>2     | 1<br>.9<br>35      | 27<br>12.7<br>582    |
| Bennington             | 92<br>54.7<br>2459     | 7<br>3.5<br>151      | 5<br>4.1<br>203    | 9<br>5.2<br>226    | 2<br>.9<br>41      | 2<br>1.1<br>65     | 17<br>6.5<br>272     |
| Brattleboro            | 132<br>54.9<br>2481    | 28<br>17.2<br>773    | 3<br>2.8<br>127    | 14<br>2.0<br>98    | 1<br>.2<br>9       | 2<br>1.0<br>40     | 22<br>7.9<br>394     |
| Burlington             | 606<br>436.0<br>19963  | 71<br>45.0<br>1875   | 14<br>11.3<br>618  | 21<br>17.1<br>810  | 32<br>24.7<br>1330 | 10<br>9.0<br>437   | 175<br>111.1<br>4781 |
| Middlebury             | 50<br>26.9<br>1193     | 6<br>2.1<br>88       | 1<br>.1<br>5       | 2<br>2.0<br>100    | 1<br>1.0<br>50     | 1<br>.9<br>42      | 15<br>7.4<br>334     |
| Morrisville            | 35<br>20.4<br>990      | 3<br>1.3<br>50       | 2<br>2.0<br>100    | 5<br>5.0<br>273    | 1<br><.05<br>1     | 1<br>.8<br>50      | 8<br>.5<br>28        |
| Newport                | 45<br>25.3<br>1114     | 5<br>1.7<br>69       | 5<br>3.9<br>154    | 3<br>1.1<br>82     | .<br>. .<br>.      | .<br>. .<br>.      | 5<br>1.8<br>83       |
| Rutland                | 129<br>86.3<br>4080    | 18<br>9.7<br>401     | 6<br>5.3<br>385    | 8<br>5.9<br>311    | 2<br>.2<br>8       | 2<br>1.2<br>47     | 19<br>11.0<br>499    |
| Springfield            | 70<br>36.9<br>1550     | 8<br>4.0<br>158      | 5<br>3.9<br>158    | 3<br>2.4<br>95     | .<br>. .<br>.      | 2<br>2.0<br>80     | 15<br>7.5<br>319     |
| St. Albans             | 58<br>36.9<br>1666     | 4<br>3.6<br>144      | 4<br>3.9<br>202    | 3<br>3.0<br>140    | .<br>. .<br>.      | 2<br>1.1<br>84     | 14<br>7.4<br>335     |
| St. Johnsbury          | 54<br>25.9<br>1182     | 4<br>2.1<br>84       | 2<br>2.0<br>120    | 4<br>3.1<br>143    | .<br>. .<br>.      | 1<br>1.0<br>40     | 12<br>3.4<br>168     |
| Wht Rvr Jct            | 89<br>43.9<br>2013     | 23<br>11.5<br>472    | 6<br>3.5<br>140    | 2<br>1.5<br>60     | 1<br>.1<br>4       | 3<br>1.3<br>132    | 20<br>7.1<br>313     |

See Appendices A and G for definition of the Local Health Districts.  
 In this table physicians may be counted more than once (Note 4).  
 Pathologists, radiologists & telemedicine are excluded from this table (Note 3).

Table 38 -- VT Physicians, 2018  
 Primary Care Physicians: Ratio of Full Time Equivalents  
 (FTEs) to Population, by Local Health District

| District        | FTEs  | Population | FTEs per<br>100,000<br>Population | Population<br>per<br>FTE |
|-----------------|-------|------------|-----------------------------------|--------------------------|
| STATEWIDE TOTAL | 435.9 | 626,299    | 69.6                              | 1,437                    |
| Barre           | 41.2  | 65,421     | 62.9                              | 1,589                    |
| Bennington      | 30.5  | 35,631     | 85.5                              | 1,170                    |
| Brattleboro     | 27.5  | 34,966     | 78.7                              | 1,271                    |
| Burlington      | 142.5 | 164,540    | 86.6                              | 1,154                    |
| Middlebury      | 24.4  | 36,843     | 66.3                              | 1,508                    |
| Morrisville     | 19.7  | 31,158     | 63.1                              | 1,584                    |
| Newport         | 16.1  | 27,804     | 57.9                              | 1,727                    |
| Rutland         | 29.1  | 58,834     | 49.4                              | 2,023                    |
| Springfield     | 19.7  | 32,743     | 60.2                              | 1,662                    |
| St. Albans      | 31.5  | 56,511     | 55.7                              | 1,794                    |
| St. Johnsbury   | 19.7  | 34,055     | 57.9                              | 1,728                    |
| Wht Rvr Jct     | 33.4  | 47,793     | 70.0                              | 1,429                    |

Only primary care physicians are included in this table.  
 An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
 The FTEs are rounded to 1 decimal for display only.  
 The ratios were calculated using the unrounded values,  
 then rounded in turn to 1 decimal for display.

Population estimates are for July 2018, from the Census Bureau  
 (see Note 4 and Note 7.)



## **Special Groups of Physicians:**

**Locum Tenens**

**Telemedicine**

**Physicians Working Few Hours**



Table 39 -- VT Physicians, 2018  
Summary of Active Physicians

|                                                                           | locum<br>tenens | general<br>telemedicine | <4 hrs<br>/ week | all<br>others |
|---------------------------------------------------------------------------|-----------------|-------------------------|------------------|---------------|
| TOTAL                                                                     | 46              | 347                     | 167              | 1959          |
| Medical Doctor (MD)                                                       | 33              | 335                     | 158              | 1846          |
| Doctor of Osteopathy (DO)                                                 | 13              | 12                      | 9                | 113           |
| Main specialty:                                                           |                 |                         |                  |               |
| Primary Care Total                                                        | 3               | .                       | 37               | 578           |
| Family Practice                                                           | 1               | .                       | 16               | 275           |
| Primary Care Internal Medicine                                            | .               | .                       | 15               | 127           |
| Obstetrics and Gynecology                                                 | 1               | .                       | 2                | 70            |
| Pediatrics                                                                | 1               | .                       | 4                | 106           |
| Specialty Care Total                                                      | 43              | 347                     | 130              | 1381          |
| Anesthesiology                                                            | 6               | .                       | 9                | 100           |
| Dermatology                                                               | .               | 3                       | .                | 24            |
| Emergency Medicine                                                        | 3               | 25                      | 28               | 142           |
| Hospitalist                                                               | 12              | 2                       | 9                | 108           |
| Internal Medicine Specialties                                             | 2               | 50                      | 21               | 194           |
| Pediatrics Specialties                                                    | 1               | 6                       | 7                | 48            |
| Neurology                                                                 | 1               | 16                      | 2                | 38            |
| Ophthalmology                                                             | 1               | 2                       | 3                | 45            |
| Pathology                                                                 | 1               | 29                      | .                | 66            |
| Psychiatry                                                                | 7               | 7                       | 14               | 170           |
| Radiology                                                                 | .               | 161                     | .                | 104           |
| Surgery: General                                                          | 3               | .                       | 2                | 57            |
| Surgery: Orthopedic                                                       | 1               | .                       | 15               | 62            |
| Surgery: Other                                                            | 1               | 1                       | 2                | 30            |
| Urology                                                                   | 3               | .                       | 1                | 22            |
| Urgent Care                                                               | .               | 2                       | 2                | 5             |
| Other Specialties                                                         | 1               | 43                      | 15               | 166           |
| Age groups:                                                               |                 |                         |                  |               |
| less than 35                                                              | 3               | 14                      | 6                | 112           |
| 35 - 44                                                                   | 15              | 113                     | 33               | 476           |
| 45 - 54                                                                   | 11              | 113                     | 44               | 498           |
| 55 - 59                                                                   | 6               | 41                      | 21               | 291           |
| 60 - 64                                                                   | 7               | 43                      | 21               | 304           |
| 65 and older                                                              | 4               | 23                      | 42               | 278           |
| Gender:                                                                   |                 |                         |                  |               |
| Male                                                                      | 29              | 238                     | 120              | 1157          |
| Female                                                                    | 17              | 109                     | 47               | 801           |
| Patient care hours: (excluding pathologists, radiologists & telemedicine) |                 |                         |                  |               |
| 40 or more hours/week                                                     | 8               | .                       | 0                | 771           |
| 30 to 39 hours/week                                                       | 1               | .                       | 0                | 403           |
| 10 to 30 hours/week                                                       | 14              | .                       | 0                | 488           |
| less than 10 hours/week                                                   | 22              | .                       | 167              | 127           |
| hours n/a                                                                 | 1               | 347                     | 0                | 170           |

The Locum Tenens physicians are excluded from other tables in this report, except in this "special groups" section.

The telemedicine physicians, along with pathologists and radiologists, are excluded from tables reporting hours or FTEs.

Telemedicine dedicated to specific Vermont sites counted in "all others". See next page for similar tabulation by FTEs rather than counts.

Table 40 -- VT Physicians, 2018  
FTEs of Active Physicians

|                                | locum<br>tenens | tele-<br>medicine | <4 hrs<br>/ week | all<br>others |
|--------------------------------|-----------------|-------------------|------------------|---------------|
| TOTAL                          | 17.7            | .                 | 6.1              | 1362.0        |
| Medical Doctor (MD)            | 12.2            | .                 | 5.6              | 1280.6        |
| Doctor of Osteopathy (DO)      | 5.4             | .                 | .5               | 81.3          |
| Main specialty:                |                 |                   |                  |               |
| Primary Care Total             | 1.2             | .                 | 1.1              | 434.8         |
| Family Practice                | .2              | .                 | .6               | 197.5         |
| Primary Care Internal Medicine | .               | .                 | .4               | 92.9          |
| Obstetrics and Gynecology      | .7              | .                 | .1               | 61.5          |
| Pediatrics                     | .3              | .                 | .1               | 82.9          |
| Specialty Care Total           | 16.4            | .                 | 5.0              | 927.1         |
| Anesthesiology                 | 1.6             | .                 | .5               | 86.7          |
| Dermatology                    | .               | .                 | .                | 20.1          |
| Emergency Medicine             | .4              | .                 | 1.1              | 92.7          |
| Hospitalist                    | 5.2             | .                 | .5               | 84.0          |
| Internal Medicine Specialties  | .8              | .                 | .8               | 145.8         |
| Pediatrics Specialties         | .3              | .                 | .2               | 34.2          |
| Neurology                      | .4              | .                 | .1               | 29.5          |
| Ophthalmology                  | .3              | .                 | .1               | 39.5          |
| Psychiatry                     | 4.2             | .                 | .5               | 117.4         |
| Surgery: General               | 1.7             | .                 | .1               | 47.4          |
| Surgery: Orthopedic            | 1.0             | .                 | .5               | 53.4          |
| Surgery: Other                 | .1              | .                 | <.05             | 27.0          |
| Urology                        | .1              | .                 | <.05             | 20.3          |
| Urgent Care                    | .               | .                 | .1               | 4.0           |
| Other Specialties              | .4              | .                 | .5               | 125.1         |
| Age groups:                    |                 |                   |                  |               |
| less than 35                   | .5              | .                 | .3               | 90.1          |
| 35 - 44                        | 5.3             | .                 | 1.5              | 343.3         |
| 45 - 54                        | 3.9             | .                 | 1.6              | 344.4         |
| 55 - 59                        | 2.4             | .                 | .8               | 213.0         |
| 60 - 64                        | 3.6             | .                 | .7               | 208.6         |
| 65 and older                   | 2.0             | .                 | 1.2              | 162.6         |
| Gender:                        |                 |                   |                  |               |
| Male                           | 9.9             | .                 | 4.2              | 801.0         |
| Female                         | 7.8             | .                 | 1.9              | 559.9         |
| Patient care hours:            |                 |                   |                  |               |
| 40 or more hours/week          | 8.9             | .                 | .                | 769.3         |
| 30 to 39 hours/week            | .9              | .                 | .                | 328.6         |
| 10 to 30 hours/week            | 5.5             | .                 | .                | 243.4         |
| less than 10 hours/week        | 2.3             | .                 | 6.1              | 20.6          |

FTEs not computed for pathologists, radiologists and telemedicine (Note 3).  
The Locum Tenens physicians are excluded from other tables in this report,  
except in this "special groups" section.  
The telemedicine physicians, along with pathologists and radiologists,  
are excluded from tables reporting hours or FTEs.

Table 41 -- VT Telemedicine Physicians, 2018  
Counts by Practice Setting by Specialty

| Setting                  | Telemedicine to Specific Sites - Count in Specialty Group |                   |           |            |           |            |
|--------------------------|-----------------------------------------------------------|-------------------|-----------|------------|-----------|------------|
|                          | Emergency Medicine                                        | Internal Medicine | Pathology | Psychiatry | Radiology | All Others |
| TOTAL                    | 2                                                         | 1                 | 3         | 6          | 15        | 8          |
| Mental Health Center     | .                                                         | .                 | .         | 1          | .         | .          |
| Hospital Emergency Dept  | 1                                                         | .                 | .         | .          | 2         | .          |
| Free Clinic              | .                                                         | .                 | .         | .          | .         | 1          |
| Hospice Care             | .                                                         | .                 | .         | .          | .         | 1          |
| Hospital (in & outpat)   | .                                                         | .                 | .         | .          | 7         | 1          |
| Hospital Outpatient Dept | .                                                         | 1                 | .         | .          | .         | .          |
| Laboratory               | .                                                         | .                 | 2         | .          | .         | .          |
| Psychiatric Hospital     | .                                                         | .                 | .         | 3          | .         | .          |
| Multi-Specialty Group    | .                                                         | .                 | .         | .          | 2         | 1          |
| Occupational Health      | .                                                         | .                 | .         | .          | .         | 1          |
| Solo Practice            | .                                                         | .                 | .         | 1          | .         | .          |
| VA Hospital              | .                                                         | .                 | 1         | .          | .         | .          |
| Urgent Care / Walk-in    | .                                                         | .                 | .         | .          | .         | 1          |
| Other                    | 1                                                         | .                 | .         | 1          | 4         | 2          |

| Setting                  | General Telemedicine - Count in Specialty Group |                   |           |            |           |            |
|--------------------------|-------------------------------------------------|-------------------|-----------|------------|-----------|------------|
|                          | Emergency Medicine                              | Internal Medicine | Pathology | Psychiatry | Radiology | All Others |
| TOTAL                    | 25                                              | 50                | 29        | 7          | 161       | 75         |
| Hospital Emergency Dept  | 7                                               | .                 | .         | .          | .         | 1          |
| Extended Care            | .                                               | .                 | .         | 1          | .         | .          |
| Hospital Inpatient Dept  | .                                               | 1                 | .         | .          | .         | 2          |
| Hospital (in & outpat)   | .                                               | 4                 | 4         | .          | 15        | 6          |
| Hospital Outpatient Dept | .                                               | 1                 | .         | .          | 2         | .          |
| Laboratory               | .                                               | .                 | 8         | .          | .         | .          |
| Psychiatric Hospital     | .                                               | .                 | .         | 2          | .         | .          |
| Multi-Specialty Group    | .                                               | 1                 | 6         | 1          | 1         | 7          |
| Occupational Health      | .                                               | .                 | 1         | .          | .         | .          |
| Single-Specialty Group   | 1                                               | .                 | 2         | .          | 65        | 7          |
| Solo Practice            | .                                               | .                 | 1         | .          | 9         | 2          |
| Urgent Care / Walk-in    | 1                                               | 2                 | .         | .          | 3         | 2          |
| Other                    | 16                                              | 41                | 7         | 3          | 66        | 48         |

Each physician is counted in main specialty and setting, independently (Note 8). Reported settings may refer to provider setting or patient setting.

General Telemedicine: The portion of the work of these physicians that is related to Vermont patients could not be determined, thus full-time equivalents (FTEs) are not computed, for telemedicine - as well as all radiologists and pathologists, since many of them work remotely.

Telemedicine to Specific Sites: Some physicians (mostly based at DHMC or UVMCC) reported working a specific number of hours remotely providing care for a specific Vermont practice. They are counted where other telemedicine is not.

Table 42 -- VT Locum Tenens Physicians, 2018  
 Locum Tenens - Practice Setting by Specialty

| Specialty Group     | Number in Practice Setting |                    |               |                     |               |            |
|---------------------|----------------------------|--------------------|---------------|---------------------|---------------|------------|
|                     | Office                     | Hospital Inpatient | Hospital E.D. | Hospital Outpatient | Health Clinic | All Others |
| TOTAL               | 7                          | 21                 | 3             | 9                   | 2             | 4          |
| PRIMARY CARE        | 1                          | .                  | .             | 1                   | 1             | .          |
| Family Practice     | 1                          | .                  | .             | .                   | .             | .          |
| Ob/Gyn              | .                          | .                  | .             | 1                   | .             | .          |
| Pediatrics          | .                          | .                  | .             | .                   | 1             | .          |
| SPECIALTY CARE      | 6                          | 21                 | 3             | 8                   | 1             | 4          |
| Anesthesiology      | 1                          | 3                  | .             | 2                   | .             | .          |
| Emergency Medicine  | .                          | .                  | 3             | .                   | .             | .          |
| Hospitalist         | .                          | 12                 | .             | .                   | .             | .          |
| Internal Medicine   | .                          | 1                  | .             | 1                   | .             | .          |
| Pediatrics          | .                          | 1                  | .             | .                   | .             | .          |
| Neurology           | .                          | .                  | .             | 1                   | .             | .          |
| Ophthalmology       | 1                          | .                  | .             | .                   | .             | .          |
| Pathology           | .                          | 1                  | .             | .                   | .             | .          |
| Psychiatry          | .                          | 3                  | .             | .                   | 1             | 3          |
| Surgery: General    | .                          | .                  | .             | 3                   | .             | .          |
| Surgery: Orthopedic | 1                          | .                  | .             | .                   | .             | .          |
| Surgery: Other      | .                          | .                  | .             | 1                   | .             | .          |
| Urology             | 3                          | .                  | .             | .                   | .             | .          |
| Other Specialties   | .                          | .                  | .             | .                   | .             | 1          |

This table only includes Locum Tenens physicians. They are excluded from other tables, except in this "special groups" section.

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

See Table 43 for a similar tabulation by FTEs rather than counts.

Table 43 -- VT Locum Tenens Physicians, 2018  
 Locum Tenens - FTEs by Practice Setting by Specialty

| Specialty Group     | FTEs in Practice Setting |                       |                  |                        |                  |               |
|---------------------|--------------------------|-----------------------|------------------|------------------------|------------------|---------------|
|                     | Office                   | Hospital<br>Inpatient | Hospital<br>E.D. | Hospital<br>Outpatient | Health<br>Clinic | All<br>Others |
| TOTAL               | 1.9                      | 8.6                   | .4               | 3.2                    | .8               | 2.7           |
| PRIMARY CARE        | .2                       | .                     | .                | .5                     | .4               | .2            |
| Family Practice     | <.05                     | .                     | .                | .                      | .                | .2            |
| Ob/Gyn              | .1                       | .                     | .                | .5                     | .1               | .             |
| Pediatrics          | .1                       | .                     | .                | .                      | .2               | .             |
| SPECIALTY CARE      | 1.6                      | 8.6                   | .4               | 2.8                    | .4               | 2.6           |
| Anesthesiology      | .1                       | 1.2                   | .                | .3                     | .                | .             |
| Emergency Medicine  | .                        | .                     | .4               | .                      | .                | .             |
| Hospitalist         | .                        | 5.2                   | .                | .                      | .                | .             |
| Internal Medicine   | .2                       | .4                    | .                | .3                     | .                | .             |
| Pediatrics          | .                        | .3                    | .                | .                      | .                | .             |
| Neurology           | .                        | .                     | .                | .4                     | .                | .             |
| Ophthalmology       | .3                       | .                     | .                | .                      | .                | .             |
| Psychiatry          | .                        | 1.4                   | .                | .                      | .4               | 2.3           |
| Surgery: General    | .                        | .                     | .                | 1.7                    | .                | .             |
| Surgery: Orthopedic | 1.0                      | .                     | .                | .                      | .                | <.05          |
| Surgery: Other      | .                        | .                     | .                | .1                     | .                | .             |
| Urology             | .1                       | .                     | .                | .                      | .                | .             |
| Other Specialties   | .                        | .2                    | .                | .                      | .                | .2            |

This table only includes Locum Tenens physicians.  
 They are excluded from other tables, except in this "special groups" section.

All worksites of each physician are counted in this table (Note 4).  
 Pathologists, radiologists and telemedicine excluded (Note 3).

See Table 42 for a similar tabulation by counts rather than FTEs.

Table 44 -- VT Physicians, 2018  
Physicians providing patient care less than 4 hours/week  
FTEs by Practice Setting by Specialty

| Specialty Group     | FTEs in Practice Setting |                    |               |                     |               |            |
|---------------------|--------------------------|--------------------|---------------|---------------------|---------------|------------|
|                     | Office                   | Hospital Inpatient | Hospital E.D. | Hospital Outpatient | Health Clinic | All Others |
| TOTAL               | 1.3                      | 1.1                | .5            | .7                  | .2            | 2.3        |
| PRIMARY CARE        | .4                       | .                  | .             | <.05                | .2            | .5         |
| Family Practice     | .2                       | .                  | .             | .                   | .1            | .3         |
| Internal Medicine   | .2                       | .                  | .             | .                   | <.05          | .2         |
| Ob/Gyn              | .                        | .                  | .             | .                   | <.05          | <.05       |
| Pediatrics          | <.05                     | .                  | .             | <.05                | <.05          | .          |
| SPECIALTY CARE      | .9                       | 1.1                | .5            | .7                  | .             | 1.8        |
| Anesthesiology      | .                        | .1                 | .             | .2                  | .             | .1         |
| Emergency Medicine  | .1                       | .                  | .5            | .                   | .             | .5         |
| Hospitalist         | .                        | .5                 | .             | .                   | .             | .          |
| Internal Medicine   | .1                       | .2                 | .             | .4                  | .             | .2         |
| Pediatrics          | .                        | .2                 | .             | <.05                | .             | <.05       |
| Neurology           | .1                       | .                  | .             | <.05                | .             | <.05       |
| Ophthalmology       | .1                       | .                  | .             | .                   | .             | .          |
| Psychiatry          | .2                       | .2                 | .             | .                   | .             | .2         |
| Surgery: General    | <.05                     | .                  | .             | .                   | .             | .1         |
| Surgery: Orthopedic | .1                       | <.05               | <.05          | <.05                | .             | .4         |
| Surgery: Other      | <.05                     | .                  | .             | <.05                | .             | .          |
| Urology             | .                        | .                  | .             | .                   | .             | <.05       |
| Urgent Care         | .1                       | .                  | .             | .                   | .             | <.05       |
| Other Specialties   | .1                       | .1                 | .             | .1                  | .             | .4         |

This table includes the 167 physicians providing patient care < 4 hours/week and who are not Locum Tenens. They are also included in the other tables.

All worksites of each physician are counted in this table (Note 4). Pathologists, radiologists and telemedicine excluded (Note 3).



# **2018 compared with 2016 and 2008**



Table 45 -- VT Physicians, 2016 and 2018  
 Changes in Number of Physicians, Patient Care  
 Hours and Specialties, between 2016 and 2018

|                                | 2016 | 2018 | Change |      |
|--------------------------------|------|------|--------|------|
| TOTAL                          | 2182 | 2473 | +291   | +13% |
| Medical Doctor (MD)            | 2082 | 2339 | +257   | +12% |
| Doctor of Osteopathy (DO)      | 100  | 134  | +34    | +34% |
| Main specialty:                |      |      |        |      |
| Primary Care Total             | 636  | 615  | -21    | -3%  |
| Family Practice                | 286  | 291  | +5     | +2%  |
| Primary Care Internal Medicine | 162  | 142  | -20    | -12% |
| Obstetrics and Gynecology      | 71   | 72   | +1     | +1%  |
| Pediatric Primary Care         | 117  | 110  | -7     | -6%  |
| Specialty Care Total           | 1546 | 1858 | +312   | +20% |
| Anesthesiology                 | 105  | 109  | +4     | +4%  |
| Dermatology                    | 23   | 27   | +4     | +17% |
| Emergency Medicine             | 167  | 195  | +28    | +17% |
| Hospitalist                    | 92   | 119  | +27    | +29% |
| Internal Medicine Specialties  | 246  | 265  | +19    | +8%  |
| Pediatrics Specialties *       | 52   | 61   | +9     | +17% |
| Neurology                      | 44   | 56   | +12    | +27% |
| Ophthalmology                  | 41   | 50   | +9     | +22% |
| Pathology                      | 62   | 95   | +33    | +53% |
| Psychiatry                     | 175  | 191  | +16    | +9%  |
| Radiology                      | 176  | 265  | +89    | +51% |
| Surgery: General               | 54   | 59   | +5     | +9%  |
| Surgery: Orthopedic            | 81   | 77   | -4     | -5%  |
| Surgery: Other                 | 40   | 33   | -7     | -18% |
| Urology                        | 23   | 23   | 0      | 0%   |
| Urgent Care                    | 6    | 9    | +3     | +50% |
| Other Specialties              | 159  | 224  | +65    | +41% |
| Age groups:                    |      |      |        |      |
| less than 35                   | 105  | 132  | +27    | +26% |
| 35 - 44                        | 511  | 622  | +111   | +22% |
| 45 - 54                        | 593  | 655  | +62    | +10% |
| 55 - 59                        | 339  | 353  | +14    | +4%  |
| 60 - 64                        | 330  | 368  | +38    | +12% |
| 65 and older                   | 304  | 343  | +39    | +13% |
| Gender:                        |      |      |        |      |
| Male                           | 1344 | 1515 | +171   | +13% |
| Female                         | 838  | 957  | +119   | +14% |
| Patient care hours: **         |      |      |        |      |
| 40 or more hours/week          | 780  | 771  | -9     | -1%  |
| 30 to 39 hours/week            | 432  | 403  | -29    | -7%  |
| less than 30 hours/week        | 674  | 782  | +108   | +16% |

\* In the 2016 report these were counted under "other specialties".

\*\* Excluding pathologists, radiologists and telemedicine.

Table 46 -- VT Physicians, 2016 vs. 2018  
 Numbers of Physicians, Full Time Equivalents (FTEs), and  
 Total Weekly Patient Care Hours, by County, in 2016 and in 2018

|                   | 2016                    |                       |                          | 2018                       |                       |                          |
|-------------------|-------------------------|-----------------------|--------------------------|----------------------------|-----------------------|--------------------------|
|                   | Count<br>FTEs<br>Hours  | TOTAL                 | PRIMARY<br>CARE<br>TOTAL | SPECIALTY<br>CARE<br>TOTAL | TOTAL                 | PRIMARY<br>CARE<br>TOTAL |
| STATE TOTAL       | 1890<br>1385.3<br>62314 | 647<br>468.6<br>20617 | 1301<br>916.6<br>41697   | 1952<br>1368.1<br>61436    | 627<br>435.9<br>18978 | 1386<br>932.1<br>42458   |
| Addison County    | 77<br>47.4<br>2089      | 39<br>24.5<br>1058    | 40<br>22.9<br>1031       | 90<br>51.4<br>2231         | 42<br>24.4<br>1038    | 50<br>26.9<br>1193       |
| Bennington County | 126<br>86.6<br>3833     | 42<br>31.2<br>1435    | 86<br>55.4<br>2398       | 134<br>85.2<br>3832        | 44<br>30.5<br>1373    | 92<br>54.7<br>2459       |
| Caledonia County  | 84<br>49.8<br>2266      | 29<br>20.9<br>884     | 58<br>28.9<br>1382       | 78<br>45.2<br>2034         | 28<br>19.6<br>860     | 53<br>25.6<br>1174       |
| Chittenden County | 770<br>568.0<br>25833   | 212<br>148.8<br>6527  | 573<br>419.2<br>19306    | 801<br>578.5<br>26031      | 213<br>142.5<br>6068  | 606<br>436.0<br>19963    |
| Essex County      | 4<br>1.8<br>90          | 4<br>1.8<br>90        | .<br>. .<br>.            | 4<br>1.6<br>77             | 3<br>1.3<br>67        | 1<br>.3<br>10            |
| Franklin County   | 78<br>63.3<br>2891      | 31<br>26.8<br>1197    | 50<br>36.5<br>1694       | 88<br>66.5<br>2986         | 33<br>29.6<br>1320    | 57<br>36.9<br>1666       |
| Grand Isle County | 4<br>1.8<br>73          | 3<br>1.8<br>71        | 1<br>.1<br>3             | 5<br>1.9<br>80             | 4<br>1.9<br>80        | 1<br><.05<br>1           |
| Lamoille County   | 63<br>40.5<br>1834      | 25<br>18.0<br>809     | 42<br>22.5<br>1026       | 54<br>36.3<br>1685         | 22<br>16.0<br>697     | 34<br>20.3<br>988        |
| Orange County     | 62<br>35.8<br>1626      | 26<br>16.6<br>743     | 38<br>19.2<br>883        | 63<br>36.7<br>1694         | 26<br>17.1<br>743     | 40<br>19.6<br>950        |
| Orleans County    | 61<br>39.8<br>1700      | 22<br>15.3<br>668     | 43<br>24.5<br>1032       | 61<br>40.7<br>1813         | 21<br>15.4<br>700     | 45<br>25.3<br>1114       |
| Rutland County    | 162<br>119.7<br>5713    | 45<br>36.1<br>1717    | 117<br>83.5<br>3996      | 167<br>115.4<br>5483       | 42<br>29.1<br>1403    | 129<br>86.3<br>4080      |
| Washington County | 181<br>130.6<br>5795    | 56<br>45.5<br>2053    | 130<br>85.1<br>3742      | 190<br>125.3<br>5531       | 56<br>41.2<br>1765    | 141<br>84.1<br>3766      |
| Windham County    | 183<br>104.0<br>4445    | 52<br>39.0<br>1607    | 136<br>65.0<br>2839      | 177<br>88.9<br>3916        | 45<br>32.0<br>1353    | 136<br>56.9<br>2563      |
| Windsor County    | 171<br>96.1<br>4126     | 70<br>42.4<br>1760    | 107<br>53.7<br>2366      | 177<br>93.8<br>4016        | 62<br>34.6<br>1485    | 119<br>59.2<br>2531      |

In this table physicians may be counted more than once (Note 4).  
 Pathologists, radiologists and telemedicine are excluded from this table (Note 3).

Table 47 -- VT Physicians, 2016 vs. 2018  
 Primary Care Physician Full Time Equivalentents (FTEs) and  
 Ratio to Population, by County, in 2016 and in 2018

| County            | 2016  |            |                                   | 2018  |            |                                   | Change<br>in<br>Ratio |
|-------------------|-------|------------|-----------------------------------|-------|------------|-----------------------------------|-----------------------|
|                   | FTEs  | Population | FTEs per<br>100,000<br>Population | FTEs  | Population | FTEs per<br>100,000<br>Population |                       |
| STATEWIDE TOTAL   | 468.6 | 624,594    | 75.0                              | 435.9 | 626,299    | 69.6                              | -5.4                  |
| Addison County    | 24.5  | 36,959     | 66.3                              | 24.4  | 36,973     | 66.1                              | -.2                   |
| Bennington County | 31.2  | 36,191     | 86.3                              | 30.5  | 35,631     | 85.5                              | -.8                   |
| Caledonia County  | 20.9  | 30,333     | 69.1                              | 19.6  | 30,302     | 64.7                              | -4.4                  |
| Chittenden County | 148.8 | 161,531    | 92.1                              | 142.5 | 164,572    | 86.6                              | -5.5                  |
| Essex County      | 1.8   | 6,176      | 29.2                              | 1.3   | 6,250      | 21.6                              | -7.6                  |
| Franklin County   | 26.8  | 48,915     | 54.7                              | 29.6  | 49,421     | 59.9                              | 5.1                   |
| Grand Isle County | 1.8   | 6,919      | 25.6                              | 1.9   | 7,090      | 26.9                              | 1.2                   |
| Lamoille County   | 18.0  | 25,333     | 70.9                              | 16.0  | 25,300     | 63.4                              | -7.6                  |
| Orange County     | 16.6  | 28,919     | 57.3                              | 17.1  | 28,999     | 59.1                              | 1.8                   |
| Orleans County    | 15.3  | 26,863     | 57.0                              | 15.4  | 26,907     | 57.2                              | .2                    |
| Rutland County    | 36.1  | 59,310     | 60.9                              | 29.1  | 58,672     | 49.6                              | -11.4                 |
| Washington County | 45.5  | 58,504     | 77.8                              | 41.2  | 58,140     | 70.8                              | -7.0                  |
| Windham County    | 39.0  | 43,145     | 90.3                              | 32.0  | 42,756     | 74.9                              | -15.4                 |
| Windsor County    | 42.4  | 55,496     | 76.3                              | 34.6  | 55,286     | 62.7                              | -13.7                 |

Only primary care physicians are included in this table.  
 An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
 The FTEs are rounded to 1 digits for display only.  
 The ratios were calculated using the unrounded values.

Table 48 -- Physicians who Discontinued their Vermont Practice  
between 2016 and 2018 -- Age by Specialty and by Gender

|                     | Total | Number in Age Group  |       |       |       |       |     | Age 60+ |
|---------------------|-------|----------------------|-------|-------|-------|-------|-----|---------|
|                     |       | <35                  | 35-44 | 45-54 | 55-59 | 60-64 | 65+ | (%)     |
| TOTAL               | 341   | 20                   | 61    | 61    | 50    | 59    | 90  | 44%     |
| MALES               | 229   | 12                   | 30    | 35    | 34    | 45    | 73  | 52%     |
| FEMALES             | 112   | 8                    | 31    | 26    | 16    | 14    | 17  | 28%     |
| PRIMARY CARE        | 85    | 5                    | 9     | 12    | 6     | 16    | 37  | 62%     |
| Family Practice     | 29    | 1                    | 6     | 5     | 2     | 6     | 9   | 52%     |
| Internal Medicine   | 29    | 2                    | 2     | 2     | 3     | 5     | 15  | 69%     |
| Ob/Gyn              | 10    | 0                    | 0     | 4     | 0     | 1     | 5   | 60%     |
| Pediatrics          | 17    | 2                    | 1     | 1     | 1     | 4     | 8   | 71%     |
| SPECIALTY CARE      | 256   | 15                   | 52    | 49    | 44    | 43    | 53  | 38%     |
| Anesthesiology      | 21    | 0                    | 2     | 5     | 3     | 8     | 3   | 52%     |
| Dermatology         | 1     | 0                    | 0     | 1     | 0     | 0     | 0   | 0%      |
| Emergency Medicine  | 21    | 2                    | 6     | 2     | 4     | 4     | 3   | 33%     |
| Hospitalist         | 7     | 1                    | 2     | 0     | 1     | 0     | 3   | 43%     |
| Internal Medicine   | 43    | 4                    | 7     | 6     | 7     | 8     | 11  | 44%     |
| Pediatrics          | 5     | 0                    | 2     | 1     | 1     | 1     | 0   | 20%     |
| Neurology           | 7     | 1                    | 2     | 3     | 1     | 0     | 0   | 0%      |
| Ophthalmology       | 3     | 0                    | 1     | 0     | 0     | 1     | 1   | 67%     |
| Pathology           | 11    | 1                    | 4     | 2     | 0     | 2     | 2   | 36%     |
| Psychiatry          | 25    | 0                    | 5     | 3     | 5     | 4     | 8   | 48%     |
| Radiology           | 44    | 5                    | 12    | 11    | 7     | 5     | 4   | 20%     |
| Surgery: General    | 14    | 1                    | 1     | 2     | 3     | 2     | 5   | 50%     |
| Surgery: Orthopedic | 17    | 0                    | 1     | 5     | 6     | 1     | 4   | 29%     |
| Surgery: Other      | 7     | 0                    | 2     | 2     | 1     | 1     | 1   | 29%     |
| Urology             | 3     | 0                    | 1     | 2     | 0     | 0     | 0   | 0%      |
| Urgent Care         | 3     | 0                    | 1     | 0     | 0     | 1     | 1   | 67%     |
| Other Specialties   | 24    | 0                    | 3     | 4     | 5     | 5     | 7   | 50%     |
|                     | Total | Percent in Age Group |       |       |       |       |     | Age 60+ |
|                     |       | <35                  | 35-44 | 45-54 | 55-59 | 60-64 | 65+ | (%)     |
| TOTAL               | 100%  | 6%                   | 18%   | 18%   | 15%   | 17%   | 26% | 44%     |
| MALES               | 100%  | 5%                   | 13%   | 15%   | 15%   | 20%   | 32% | 52%     |
| FEMALES             | 100%  | 7%                   | 28%   | 23%   | 14%   | 13%   | 15% | 28%     |
| PRIMARY CARE        | 100%  | 6%                   | 11%   | 14%   | 7%    | 19%   | 44% | 62%     |
| SPECIALTY CARE      | 100%  | 6%                   | 20%   | 19%   | 17%   | 17%   | 21% | 38%     |

Telemedicine excluded.

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

Table 49 -- VT Physicians Active in 2018  
 who were Not Active in 2016  
 Age by Specialty and by Gender

|                     | Total | Number in Age Group  |       |       |       |       |     | Age 60+ |
|---------------------|-------|----------------------|-------|-------|-------|-------|-----|---------|
|                     |       | <35                  | 35-44 | 45-54 | 55-59 | 60-64 | 65+ | (%)     |
| TOTAL               | 407   | 86                   | 149   | 66    | 38    | 29    | 39  | 17%     |
| MALES               | 242   | 43                   | 85    | 44    | 24    | 17    | 29  | 19%     |
| FEMALES             | 165   | 43                   | 64    | 22    | 14    | 12    | 10  | 13%     |
| PRIMARY CARE        | 81    | 17                   | 25    | 11    | 8     | 4     | 16  | 25%     |
| Family Practice     | 43    | 7                    | 14    | 5     | 4     | 4     | 9   | 30%     |
| Internal Medicine   | 14    | 3                    | 3     | 2     | 3     | 0     | 3   | 21%     |
| Ob/Gyn              | 12    | 4                    | 3     | 3     | 0     | 0     | 2   | 17%     |
| Pediatrics          | 12    | 3                    | 5     | 1     | 1     | 0     | 2   | 17%     |
| SPECIALTY CARE      | 326   | 69                   | 124   | 55    | 30    | 25    | 23  | 15%     |
| Anesthesiology      | 24    | 3                    | 11    | 7     | 1     | 2     | 0   | 8%      |
| Dermatology         | 4     | 3                    | 0     | 0     | 0     | 1     | 0   | 25%     |
| Emergency Medicine  | 43    | 9                    | 26    | 3     | 2     | 1     | 2   | 7%      |
| Hospitalist         | 31    | 12                   | 12    | 4     | 0     | 3     | 0   | 10%     |
| Internal Medicine   | 39    | 11                   | 13    | 4     | 3     | 6     | 2   | 21%     |
| Pediatrics          | 7     | 1                    | 3     | 1     | 0     | 0     | 2   | 29%     |
| Neurology           | 8     | 3                    | 4     | 0     | 1     | 0     | 0   | 0%      |
| Ophthalmology       | 11    | 2                    | 5     | 2     | 1     | 0     | 1   | 9%      |
| Pathology           | 18    | 3                    | 9     | 5     | 1     | 0     | 0   | 0%      |
| Psychiatry          | 38    | 4                    | 14    | 7     | 2     | 4     | 7   | 29%     |
| Radiology           | 20    | 1                    | 11    | 5     | 1     | 1     | 1   | 10%     |
| Surgery: General    | 15    | 7                    | 3     | 2     | 1     | 1     | 1   | 13%     |
| Surgery: Orthopedic | 15    | 2                    | 3     | 4     | 4     | 1     | 1   | 13%     |
| Surgery: Other      | 4     | 0                    | 3     | 0     | 0     | 1     | 0   | 25%     |
| Urology             | 3     | 0                    | 1     | 1     | 1     | 0     | 0   | 0%      |
| Urgent Care         | 2     | 0                    | 0     | 1     | 1     | 0     | 0   | 0%      |
| Other Specialties   | 44    | 8                    | 6     | 9     | 11    | 4     | 6   | 23%     |
|                     | Total | Percent in Age Group |       |       |       |       |     | Age 60+ |
|                     |       | <35                  | 35-44 | 45-54 | 55-59 | 60-64 | 65+ | (%)     |
| TOTAL               | 100%  | 21%                  | 37%   | 16%   | 9%    | 7%    | 10% | 17%     |
| MALES               | 100%  | 18%                  | 35%   | 18%   | 10%   | 7%    | 12% | 19%     |
| FEMALES             | 100%  | 26%                  | 39%   | 13%   | 8%    | 7%    | 6%  | 13%     |
| PRIMARY CARE        | 100%  | 21%                  | 31%   | 14%   | 10%   | 5%    | 20% | 25%     |
| SPECIALTY CARE      | 100%  | 21%                  | 38%   | 17%   | 9%    | 8%    | 7%  | 15%     |

Telemedicine excluded.

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

Table 50 -- Physicians who Discontinued their Vermont Practice  
between 2016 and 2018  
FTE by Age by Specialty and Gender

|                     | Total | FTEs in Age Group            |       |       |       |       |      | Age 60+ |
|---------------------|-------|------------------------------|-------|-------|-------|-------|------|---------|
|                     |       | <35                          | 35-44 | 45-54 | 55-59 | 60-64 | 65+  | (%)     |
| TOTAL               | 176.1 | 9.6                          | 27.9  | 29.5  | 29.9  | 32.6  | 46.6 | 45%     |
| MALES               | 119.8 | 5.0                          | 12.6  | 16.0  | 21.1  | 25.5  | 39.6 | 54%     |
| FEMALES             | 56.2  | 4.6                          | 15.2  | 13.6  | 8.7   | 7.1   | 7.0  | 25%     |
| PRIMARY CARE        | 52.9  | 3.9                          | 4.7   | 6.9   | 5.5   | 10.1  | 21.9 | 60%     |
| Family Practice     | 18.7  | 1.0                          | 3.5   | 2.3   | 1.8   | 3.8   | 6.3  | 54%     |
| Internal Medicine   | 18.6  | 1.7                          | .7    | 1.4   | 2.8   | 2.1   | 10.0 | 65%     |
| Ob/Gyn              | 4.8   | .                            | .     | 2.2   | .     | 1.0   | 1.6  | 53%     |
| Pediatrics          | 10.8  | 1.2                          | .6    | 1.0   | .9    | 3.1   | 4.0  | 66%     |
| SPECIALTY CARE      | 123.2 | 5.7                          | 23.2  | 22.6  | 24.4  | 22.6  | 24.7 | 38%     |
| Anesthesiology      | 16.8  | .                            | 2.0   | 3.7   | 2.8   | 5.7   | 2.6  | 50%     |
| Dermatology         | .5    | .                            | .     | .5    | .     | .     | .    | 0%      |
| Emergency Medicine  | 8.5   | .9                           | 2.5   | .1    | 2.8   | 1.6   | .7   | 27%     |
| Hospitalist         | 6.0   | 1.0                          | 1.7   | .     | .9    | .     | 2.5  | 41%     |
| Internal Medicine   | 24.9  | 2.0                          | 4.7   | 3.5   | 6.5   | 4.9   | 3.3  | 33%     |
| Pediatrics          | 2.5   | .                            | .8    | .9    | .4    | .4    | .1   | 19%     |
| Neurology           | 2.9   | .8                           | .9    | 1.1   | .1    | .     | .    | 0%      |
| Ophthalmology       | 1.4   | .                            | 1.0   | .     | .     | .2    | .3   | 31%     |
| Psychiatry          | 16.0  | .                            | 4.3   | 1.4   | 2.7   | 2.8   | 4.9  | 47%     |
| Surgery: General    | 11.3  | 1.0                          | 1.0   | 2.0   | 2.1   | 2.0   | 3.2  | 46%     |
| Surgery: Orthopedic | 10.1  | .                            | 1.0   | 3.1   | 3.8   | 1.0   | 1.1  | 21%     |
| Surgery: Other      | 6.6   | .                            | 1.3   | 2.0   | 1.0   | 1.0   | 1.4  | 36%     |
| Urology             | 3.0   | .                            | 1.0   | 2.0   | .     | .     | .    | 0%      |
| Urgent Care         | 2.1   | .                            | 1.0   | .     | .     | .2    | .9   | 53%     |
| Other Specialties   | 10.5  | .                            | .1    | 2.4   | 1.4   | 2.9   | 3.8  | 64%     |
|                     | Total | % of total FTEs in Age Group |       |       |       |       |      | Age 60+ |
|                     |       | <35                          | 35-44 | 45-54 | 55-59 | 60-64 | 65+  | (%)     |
| TOTAL               | 100%  | 5%                           | 16%   | 17%   | 17%   | 19%   | 26%  | 45%     |
| MALES               | 100%  | 4%                           | 11%   | 13%   | 18%   | 21%   | 33%  | 54%     |
| FEMALES             | 100%  | 8%                           | 27%   | 24%   | 16%   | 13%   | 12%  | 25%     |
| PRIMARY CARE        | 100%  | 7%                           | 9%    | 13%   | 10%   | 19%   | 41%  | 60%     |
| SPECIALTY CARE      | 100%  | 5%                           | 19%   | 18%   | 20%   | 18%   | 20%  | 38%     |

See Note 1 for a description of the calculation of age.  
Pathologists, radiologists and telemedicine excluded (Note 3).



Table 51 -- VT Physicians Active in 2018  
 who were Not Active in 2016  
 FTE by Age by Specialty and Gender

|                     | Total | FTEs in Age Group            |       |       |       |       |      | Age 60+ |
|---------------------|-------|------------------------------|-------|-------|-------|-------|------|---------|
|                     |       | <35                          | 35-44 | 45-54 | 55-59 | 60-64 | 65+  | (%)     |
| TOTAL               | 234.7 | 64.8                         | 85.6  | 33.1  | 22.5  | 15.9  | 12.7 | 12%     |
| MALES               | 137.9 | 33.0                         | 49.0  | 20.9  | 13.9  | 11.2  | 9.9  | 15%     |
| FEMALES             | 96.8  | 31.8                         | 36.6  | 12.2  | 8.6   | 4.7   | 2.8  | 8%      |
| PRIMARY CARE        | 53.6  | 14.0                         | 19.8  | 6.2   | 5.3   | 1.9   | 6.4  | 15%     |
| Family Practice     | 27.1  | 4.9                          | 9.9   | 3.1   | 3.3   | 1.9   | 4.0  | 22%     |
| Internal Medicine   | 8.9   | 3.0                          | 2.8   | .5    | 1.5   | <.05  | 1.0  | 12%     |
| Ob/Gyn              | 10.0  | 4.3                          | 2.8   | 1.9   | .     | .     | 1.0  | 10%     |
| Pediatrics          | 7.7   | 1.8                          | 4.5   | .6    | .5    | .     | .3   | 4%      |
| SPECIALTY CARE      | 181.1 | 50.8                         | 65.8  | 27.0  | 17.2  | 14.0  | 6.4  | 11%     |
| Anesthesiology      | 16.6  | 3.0                          | 8.9   | 3.6   | 1.0   | .1    | .    | 1%      |
| Dermatology         | 3.9   | 2.9                          | .     | .     | .     | 1.0   | .    | 26%     |
| Emergency Medicine  | 22.0  | 5.6                          | 12.2  | 1.1   | 1.1   | .9    | 1.0  | 9%      |
| Hospitalist         | 18.9  | 6.0                          | 7.4   | 3.0   | .     | 2.5   | .    | 13%     |
| Internal Medicine   | 25.4  | 10.3                         | 7.7   | 2.8   | 1.7   | 2.5   | .4   | 11%     |
| Pediatrics          | 3.6   | .8                           | 1.7   | .5    | .     | .     | .6   | 18%     |
| Neurology           | 6.2   | 2.7                          | 2.6   | .     | .9    | .     | .    | 0%      |
| Ophthalmology       | 7.5   | 2.0                          | 3.4   | 2.0   | <.05  | .     | .1   | 1%      |
| Psychiatry          | 23.4  | 3.7                          | 9.3   | 4.1   | 2.0   | 2.4   | 1.9  | 18%     |
| Surgery: General    | 10.5  | 5.3                          | 3.0   | 1.1   | 1.0   | <.05  | .1   | 1%      |
| Surgery: Orthopedic | 9.8   | 2.0                          | 1.5   | 2.1   | 2.9   | 1.0   | .3   | 13%     |
| Surgery: Other      | 4.0   | .                            | 3.0   | .     | .     | 1.0   | .    | 25%     |
| Urology             | 1.5   | .                            | 1.0   | .2    | .4    | .     | .    | 0%      |
| Urgent Care         | 2.0   | .                            | .     | 1.0   | 1.0   | .     | .    | 0%      |
| Other Specialties   | 25.9  | 6.5                          | 4.2   | 5.5   | 5.2   | 2.6   | 1.9  | 17%     |
|                     | Total | % of total FTEs in Age Group |       |       |       |       |      | Age 60+ |
|                     |       | <35                          | 35-44 | 45-54 | 55-59 | 60-64 | 65+  | (%)     |
| TOTAL               | 100%  | 28%                          | 36%   | 14%   | 10%   | 7%    | 5%   | 12%     |
| MALES               | 100%  | 24%                          | 36%   | 15%   | 10%   | 8%    | 7%   | 15%     |
| FEMALES             | 100%  | 33%                          | 38%   | 13%   | 9%    | 5%    | 3%   | 8%      |
| PRIMARY CARE        | 100%  | 26%                          | 37%   | 12%   | 10%   | 4%    | 12%  | 15%     |
| SPECIALTY CARE      | 100%  | 28%                          | 36%   | 15%   | 9%    | 8%    | 4%   | 11%     |

See Note 1 for a description of the calculation of age.  
 Pathologists, radiologists and telemedicine excluded from this table (Note 3).

Table 52 -- Physicians who Discontinued their Vermont Practice  
between 2016 and 2018  
Numbers of Physicians, Full Time Equivalents (FTEs),  
and Total Weekly Patient Care Hours, by County

| Count<br>FTEs<br>Hours | TOTAL                | PRIMARY<br>CARE<br>TOTAL | SPECIALTY<br>CARE<br>TOTAL |
|------------------------|----------------------|--------------------------|----------------------------|
| STATEWIDE TOTAL        | 287<br>176.1<br>7768 | 85<br>52.9<br>2226       | 203<br>123.2<br>5543       |
| Addison County         | 5<br>4.0<br>173      | 1<br>1.0<br>40           | 4<br>3.0<br>133            |
| Bennington County      | 24<br>13.0<br>552    | 4<br>2.6<br>112          | 20<br>10.4<br>440          |
| Caledonia County       | 16<br>9.7<br>462     | 6<br>5.0<br>232          | 10<br>4.7<br>231           |
| Chittenden County      | 94<br>60.0<br>2716   | 26<br>14.6<br>594        | 68<br>45.4<br>2122         |
| Essex County           | 1<br>.0<br>0         | 1<br>.0<br>0             | .<br>.<br>.                |
| Franklin County        | 9<br>6.5<br>271      | 2<br>1.5<br>61           | 7<br>5.0<br>210            |
| Grand Isle County      | .<br>.<br>.          | .<br>.<br>.              | .<br>.<br>.                |
| Lamoille County        | 9<br>3.7<br>148      | 3<br>1.3<br>50           | 7<br>2.5<br>98             |
| Orange County          | 11<br>6.9<br>359     | 4<br>1.5<br>61           | 7<br>5.4<br>298            |
| Orleans County         | 12<br>7.6<br>318     | 4<br>2.9<br>116          | 8<br>4.7<br>202            |
| Rutland County         | 21<br>14.5<br>663    | 7<br>5.6<br>245          | 14<br>8.9<br>418           |
| Washington County      | 20<br>13.7<br>601    | 5<br>4.6<br>217          | 15<br>9.1<br>385           |
| Windham County         | 46<br>23.0<br>936    | 12<br>7.6<br>306         | 34<br>15.4<br>630          |
| Windsor County         | 32<br>13.3<br>570    | 10<br>4.6<br>194         | 22<br>8.7<br>376           |

In this table physicians may be counted more than once (Note 4).  
Pathologists, radiologists and telemedicine are excluded (Note 3).

Table 53 -- VT Physicians Active in 2018  
 who were Not Active in 2016  
 Numbers of Physicians, Full Time Equivalents (FTEs),  
 and Total Weekly Patient Care Hours, by County

| Count<br>FTEs<br>Hours | TOTAL                 | PRIMARY<br>CARE<br>TOTAL | SPECIALTY<br>CARE<br>TOTAL |
|------------------------|-----------------------|--------------------------|----------------------------|
| STATEWIDE TOTAL        | 369<br>234.7<br>10571 | 82<br>53.6<br>2232       | 293<br>181.1<br>8338       |
| Addison County         | 17<br>10.0<br>447     | 7<br>3.2<br>140          | 11<br>6.8<br>307           |
| Bennington County      | 31<br>15.3<br>678     | 8<br>3.3<br>132          | 23<br>12.0<br>546          |
| Caledonia County       | 14<br>7.3<br>309      | 4<br>2.8<br>126          | 10<br>4.5<br>183           |
| Chittenden County      | 134<br>98.4<br>4396   | 22<br>16.2<br>681        | 113<br>82.1<br>3716        |
| Essex County           | 1<br>.3<br>10         | .<br>.3<br>.             | 1<br>.3<br>10              |
| Franklin County        | 13<br>9.6<br>445      | 5<br>4.0<br>174          | 8<br>5.6<br>271            |
| Grand Isle County      | .<br>.<br>.           | .<br>.<br>.              | .<br>.<br>.                |
| Lamoille County        | 7<br>4.1<br>196       | 1<br>1.0<br>40           | 6<br>3.1<br>156            |
| Orange County          | 12<br>8.0<br>357      | 3<br>2.7<br>108          | 9<br>5.3<br>249            |
| Orleans County         | 15<br>10.5<br>471     | 4<br>3.1<br>133          | 11<br>7.5<br>338           |
| Rutland County         | 32<br>18.8<br>891     | 3<br>1.6<br>63           | 29<br>17.2<br>828          |
| Washington County      | 30<br>19.6<br>870     | 11<br>6.6<br>267         | 21<br>13.0<br>603          |
| Windham County         | 46<br>17.4<br>790     | 7<br>5.0<br>205          | 40<br>12.4<br>585          |
| Windsor County         | 37<br>14.9<br>650     | 10<br>3.5<br>144         | 28<br>11.4<br>506          |

In this table physicians may be counted more than once (Note 4).  
 Pathologists, radiologists and telemedicine are excluded (Note 3).

Table 54 -- VT Physicians by Length of Time Active in Vermont as of 2016, and Whether Still Active in Vermont in 2018

| Tenure in VT as of 2016 | Physicians Active in 2016 | Still Active in VT in 2018 | No Longer Active in VT in 2018 |
|-------------------------|---------------------------|----------------------------|--------------------------------|
| TOTAL                   | 2060 (100%)               | 1719                       | 341 ( 17%)                     |
| 1-4 years               | 413 ( 20%)                | 323                        | 90 ( 22%)                      |
| 5-9 years               | 345 ( 17%)                | 281                        | 64 ( 19%)                      |
| 10-14 years             | 309 ( 15%)                | 275                        | 34 ( 11%)                      |
| 15-19 years             | 279 ( 14%)                | 256                        | 23 ( 8%)                       |
| 20-24 years             | 225 ( 11%)                | 199                        | 26 ( 12%)                      |
| 25-29 years             | 189 ( 9%)                 | 165                        | 24 ( 13%)                      |
| 30+ years               | 289 ( 14%)                | 217                        | 72 ( 25%)                      |
| unknown                 | 11 ( 1%)                  | 3                          | 8 ( 73%)                       |

Table 55 -- VT Primary Care Physicians by Length of Time Active in Vermont as of 2016, and Whether Still Active in Vermont in 2018

| Tenure in VT as of 2016 | PC Physicians Active in 2016 | Still Active in VT in 2018 | No Longer Active in VT in 2018 |
|-------------------------|------------------------------|----------------------------|--------------------------------|
| TOTAL                   | 636 (100%)                   | 551                        | 85 ( 13%)                      |
| 1-4 years               | 96 ( 15%)                    | 82                         | 14 ( 15%)                      |
| 5-9 years               | 115 ( 18%)                   | 98                         | 17 ( 15%)                      |
| 10-14 years             | 70 ( 11%)                    | 63                         | 7 ( 10%)                       |
| 15-19 years             | 83 ( 13%)                    | 78                         | 5 ( 6%)                        |
| 20-24 years             | 75 ( 12%)                    | 70                         | 5 ( 7%)                        |
| 25-29 years             | 69 ( 11%)                    | 63                         | 6 ( 9%)                        |
| 30+ years               | 127 ( 20%)                   | 96                         | 31 ( 24%)                      |
| unknown                 | 1 ( 0%)                      | 1                          | 0 ( 0%)                        |

Percentages in the 'Active in 2016' column are based on the 'TOTAL' row. Percentages in the 'No Longer Active' column are based on the 'Active in 2016' column.

Table 56 -- VT Physicians, 2008 and 2018  
 Changes in Number of Physicians, Patient Care  
 Hours and Specialties, between 2008 and 2018

|                                | 2008 | 2018 | Change |       |
|--------------------------------|------|------|--------|-------|
| TOTAL                          | 1833 | 2473 | +640   | +35%  |
| Medical Doctor (MD)            | 1783 | 2339 | +556   | +31%  |
| Doctor of Osteopathy (DO)      | 50   | 134  | +84    | +168% |
| Main specialty:                |      |      |        |       |
| Primary Care Total             | 634  | 615  | -19    | -3%   |
| Family Practice                | 279  | 291  | +12    | +4%   |
| Primary Care Internal Medicine | 175  | 142  | -33    | -19%  |
| Obstetrics and Gynecology      | 75   | 72   | -3     | -4%   |
| Pediatric Primary Care         | 105  | 110  | +5     | +5%   |
| Specialty Care Total           | 1199 | 1858 | +659   | +55%  |
| Anesthesiology                 | 97   | 109  | +12    | +12%  |
| Emergency Medicine             | 108  | 195  | +87    | +81%  |
| Internal Medicine Specialties  | 217  | 265  | +48    | +22%  |
| Pediatrics Specialties *       | 34   | 61   | +27    | +79%  |
| Neurology                      | 41   | 56   | +15    | +37%  |
| Ophthalmology                  | 46   | 50   | +4     | +9%   |
| Pathology                      | 53   | 95   | +42    | +79%  |
| Psychiatry                     | 172  | 191  | +19    | +11%  |
| Radiology                      | 129  | 265  | +136   | +105% |
| Surgery: General               | 50   | 59   | +9     | +18%  |
| Surgery: Orthopedic            | 72   | 77   | +5     | +7%   |
| Surgery: Other                 | 40   | 33   | -7     | -18%  |
| Urology                        | 22   | 23   | +1     | +5%   |
| Other Specialties              | 118  | 379  | +261   | +221% |
| Age groups:                    |      |      |        |       |
| less than 35                   | 80   | 132  | +52    | +65%  |
| 35 - 44                        | 470  | 622  | +152   | +32%  |
| 45 - 54                        | 676  | 655  | -21    | -3%   |
| 55 - 59                        | 259  | 353  | +94    | +36%  |
| 60 - 64                        | 185  | 368  | +183   | +99%  |
| 65 and older                   | 161  | 343  | +182   | +113% |
| Gender:                        |      |      |        |       |
| Male                           | 1256 | 1515 | +259   | +21%  |
| Female                         | 577  | 957  | +380   | +66%  |
| Patient care hours: **         |      |      |        |       |
| 40 or more hours/week          | 922  | 771  | -151   | -16%  |
| 30 to 39 hours/week            | 262  | 403  | +141   | +54%  |
| 10 to 29 hours/week            | 321  | 488  | +167   | +52%  |
| less than 10 hours/week        | 146  | 294  | +148   | +101% |

\* In the 2008 report these were counted under "other specialties".

\*\* Excluding pathologists, radiologists and telemedicine.

Table 57 -- VT Physicians, 2008 vs. 2018  
 Numbers of Physicians, Full Time Equivalents (FTEs), and  
 Total Weekly Patient Care Hours, by County, in 2008 and in 2018

| Count<br>FTEs<br>Hours | 2008                    |                          |                            | 2018                    |                          |                            |
|------------------------|-------------------------|--------------------------|----------------------------|-------------------------|--------------------------|----------------------------|
|                        | TOTAL                   | PRIMARY<br>CARE<br>TOTAL | SPECIALTY<br>CARE<br>TOTAL | TOTAL                   | PRIMARY<br>CARE<br>TOTAL | SPECIALTY<br>CARE<br>TOTAL |
| STATE TOTAL            | 1651<br>1316.3<br>61926 | 660<br>498.2<br>22897    | 1077<br>818.1<br>39028     | 1952<br>1368.1<br>61436 | 627<br>435.9<br>18978    | 1386<br>932.1<br>42458     |
| Addison County         | 93<br>54.5<br>2495      | 46<br>32.7<br>1465       | 51<br>21.8<br>1030         | 90<br>51.4<br>2231      | 42<br>24.4<br>1038       | 50<br>26.9<br>1193         |
| Bennington County      | 120<br>91.3<br>4269     | 39<br>31.0<br>1538       | 82<br>60.4<br>2731         | 134<br>85.2<br>3832     | 44<br>30.5<br>1373       | 92<br>54.7<br>2459         |
| Caledonia County       | 71<br>43.5<br>1960      | 28<br>21.0<br>930        | 51<br>22.5<br>1030         | 78<br>45.2<br>2034      | 28<br>19.6<br>860        | 53<br>25.6<br>1174         |
| Chittenden County      | 662<br>519.7<br>24872   | 210<br>150.3<br>6744     | 485<br>369.4<br>18128      | 801<br>578.5<br>26031   | 213<br>142.5<br>6068     | 606<br>436.0<br>19963      |
| Essex County           | 2<br>1.5<br>73          | 2<br>1.5<br>73           | .<br>. .<br>.              | 4<br>1.6<br>77          | 3<br>1.3<br>67           | 1<br>.3<br>10              |
| Franklin County        | 91<br>61.8<br>2999      | 36<br>28.9<br>1374       | 59<br>32.8<br>1625         | 88<br>66.5<br>2986      | 33<br>29.6<br>1320       | 57<br>36.9<br>1666         |
| Grand Isle County      | 3<br>1.2<br>46          | 3<br>1.2<br>46           | .<br>. .<br>.              | 5<br>1.9<br>80          | 4<br>1.9<br>80           | 1<br>.0<br>1               |
| Lamoille County        | 67<br>38.9<br>1896      | 23<br>17.9<br>867        | 49<br>21.0<br>1028         | 54<br>36.3<br>1685      | 22<br>16.0<br>697        | 34<br>20.3<br>988          |
| Orange County          | 69<br>36.3<br>1575      | 26<br>18.0<br>784        | 46<br>18.3<br>791          | 63<br>36.7<br>1694      | 26<br>17.1<br>743        | 40<br>19.6<br>950          |
| Orleans County         | 56<br>39.5<br>1805      | 23<br>19.9<br>963        | 34<br>19.6<br>842          | 61<br>40.7<br>1813      | 21<br>15.4<br>700        | 45<br>25.3<br>1114         |
| Rutland County         | 162<br>114.7<br>5587    | 52<br>39.7<br>1902       | 115<br>74.9<br>3684        | 167<br>115.4<br>5483    | 42<br>29.1<br>1403       | 129<br>86.3<br>4080        |
| Washington County      | 164<br>112.2<br>5094    | 55<br>45.9<br>2015       | 111<br>66.3<br>3080        | 190<br>125.3<br>5531    | 56<br>41.2<br>1765       | 141<br>84.1<br>3766        |
| Windham County         | 145<br>95.1<br>4490     | 60<br>42.9<br>2079       | 90<br>52.3<br>2411         | 177<br>88.9<br>3916     | 45<br>32.0<br>1353       | 136<br>56.9<br>2563        |
| Windsor County         | 181<br>106.2<br>4766    | 83<br>47.3<br>2118       | 108<br>58.9<br>2648        | 177<br>93.8<br>4016     | 62<br>34.6<br>1485       | 119<br>59.2<br>2531        |

In this table physicians may be counted more than once (Note 4).  
 Pathologists, radiologists and telemedicine excluded from this table (Note 3).

Table 58 -- VT Physicians, 2008 vs. 2018  
 Primary Care Physician Full Time Equivalent (FTEs) and  
 Ratio to Population, by County, in 2008 and in 2018

| County            | 2008  |            |                                   | 2018  |            |                                   | Change<br>in<br>Ratio |
|-------------------|-------|------------|-----------------------------------|-------|------------|-----------------------------------|-----------------------|
|                   | FTEs  | Population | FTEs per<br>100,000<br>Population | FTEs  | Population | FTEs per<br>100,000<br>Population |                       |
| STATEWIDE TOTAL   | 498.2 | 624,151    | 79.8                              | 435.9 | 626,299    | 69.6                              | -10.2                 |
| Addison County    | 32.7  | 36,905     | 88.6                              | 24.4  | 36,973     | 66.1                              | -22.5                 |
| Bennington County | 31.0  | 37,168     | 83.3                              | 30.5  | 35,631     | 85.5                              | 2.2                   |
| Caledonia County  | 21.0  | 31,167     | 67.4                              | 19.6  | 30,302     | 64.7                              | -2.8                  |
| Chittenden County | 150.3 | 154,659    | 97.2                              | 142.5 | 164,572    | 86.6                              | -10.6                 |
| Essex County      | 1.5   | 6,404      | 23.9                              | 1.3   | 6,250      | 21.6                              | -2.4                  |
| Franklin County   | 28.9  | 47,462     | 61.0                              | 29.6  | 49,421     | 59.9                              | -1.1                  |
| Grand Isle County | 1.2   | 7,211      | 16.0                              | 1.9   | 7,090      | 26.9                              | 10.9                  |
| Lamoille County   | 17.9  | 23,971     | 74.5                              | 16.0  | 25,300     | 63.4                              | -11.1                 |
| Orange County     | 18.0  | 29,032     | 61.9                              | 17.1  | 28,999     | 59.1                              | -2.8                  |
| Orleans County    | 19.9  | 27,269     | 73.1                              | 15.4  | 26,907     | 57.2                              | -15.9                 |
| Rutland County    | 39.7  | 62,368     | 63.7                              | 29.1  | 58,672     | 49.6                              | -14.1                 |
| Washington County | 45.9  | 59,278     | 77.5                              | 41.2  | 58,140     | 70.8                              | -6.7                  |
| Windham County    | 42.9  | 44,407     | 96.6                              | 32.0  | 42,756     | 74.9                              | -21.7                 |
| Windsor County    | 47.3  | 56,850     | 83.3                              | 34.6  | 55,286     | 62.7                              | -20.6                 |

Only primary care physicians are included in this table.  
 An FTE is defined as 40 (or more) hours/week, 48 weeks/year.  
 The FTEs are rounded to 1 digit for display only.  
 The ratios were calculated using the unrounded values.





# Appendices



## Appendix A. General Notes and Terms

### Definition of Active Physician

A physician who was relicensed for the period 2019-2020 in Vermont, and who provided patient care hours in Vermont as reported in the survey. *Locum tenens* are excluded except where noted. (*Locum tenens* practitioners fill positions on a temporary basis when practitioners are on sabbatical, vacation, or absent for an extended period. Unlike in previous reports, in this report those who said they have worked in the same position more than a year are *not* considered *locum tenens*.)

### Physicians not represented in these tables

Only *active* physicians are reported. Those who hold a Vermont license but are not actively in practice in Vermont are excluded from all tables. Physicians who were licensed in Vermont for the first time in late 2018, and were not required to relicense at this time, are not included. Residents, clinical fellows, and research fellows are excluded from all tables. Pathologists, radiologists and telemedicine are excluded from tables that list hours or FTEs.

### Telemedicine

Some physicians provide services remotely from out of state to Vermont patients, and the portion of their work related to Vermont patients could not be determined. Therefore, hours are not reported, and full-time equivalents (FTEs) are not computed, for telemedicine - as well as *all* radiologists and pathologists, since many of them work remotely. Some physicians (mostly based at Dartmouth-Hitchcock or UVMMC) reported Vermont-specific telemedicine, meaning that they worked a specific number of hours on contract remotely providing care for a specific Vermont practice. They are counted where other telemedicine is not, since we could compute Vermont FTEs for them.

### Locum Tenens

*Locum tenens* practitioners fill positions on a temporary basis when practitioners are on sabbatical, vacation, or absent for an extended period. Work done on a *locum tenens* basis for less than a year is not counted in this report, other than in the tables on pages 59-63. Beginning with the 2018 report, those who reported working in the same *locum tenens* position for more than a year *are* counted. Some physicians worked partly as *locum tenens* and partly not - their non-*locum-tenens* work is reported here.

### Specialties

Physicians reported their specialties by picking from a predefined list (see Appendix D), although they could also write in a specialty if not in the list. For the purposes of these tables the detailed specialties were grouped in the following way:

#### Primary Care

- Family Practice includes general practice, family practice, and geriatric medicine. Family Practice in an urgent care setting was not considered primary care.
- Internal Medicine includes general internal medicine and geriatric internal medicine. Internal Medicine in a hospital setting was not considered primary care.
- Obstetrics and Gynecology (Ob/Gyn) includes physicians who reported a solely gynecological practice or a solely obstetrical practice, along with those who reported working in both obstetrics and gynecology.
- Pediatrics includes pediatric primary care as well as adolescent medicine.

## Specialty Care

- Anesthesiology
- Emergency Medicine
- Dermatology
- Hospitalist includes those who chose the hospitalist specialty (not by setting)
- Internal Medicine includes several internal medicine subspecialties
- Neurology
- Ophthalmology
- Pathology (excluded from tables reporting FTEs as noted)
- Psychiatry
- Radiology (excluded from tables reporting FTEs as noted)
- General Surgery
- Orthopedic Surgery
- Other Surgery includes most other surgical specialties, such as vascular surgery, abdominal surgery, colon and rectal surgery, neurological surgery, oral and maxillofacial surgery, pediatric surgery, surgical critical care, and thoracic surgery.
- Neurology
- Urgent Care
- Urology

Other Specialties includes all specific specialties that are not included in the specialty groups listed above. (In some tables where there is no room to list all the groups separately, the "other" category in those tables includes some of the groups listed separately above.)

## Hospitalists

Hospitalists provide general care to hospitalized inpatients. In the past Hospitalist was listed as a practice setting, but not as a specialty. Since the 2010 census "Hospitalist" was included in the list of specialties, and since the 2016 census it was no longer listed as a practice setting. A few physicians reported general practice or general internal medicine in a hospital inpatient setting, this may be similar to hospitalists but is counted separately.

## Determination of a physician's main specialty

A physician's "main" specialty is the specialty group in which the physician works the most hours. In case of a tie (equal hours in two specialties), the specialty group listed first in the above list is chosen. This has the effect of choosing primary care over specialty care, and more common specialties over the "other specialties" category, in case of a tie.

## Hospital Care Areas

Unlike reports prior to 2016, where some tables reported counts and FTEs by Hospital Service Areas (HSAs), in this report we instead used Health Care Areas (HCAs) as defined by the Vermont Blueprint for Health. Those are similar to the HSAs, with the main differences affecting the White River Junction HSA which is split into three parts: the northern part is called Upper Valley, the Southern part is called Windsor, and the middle part is appended to the Randolph area. For a map of these HCAs see Appendix F.

## Local Health Districts

The Local Health Districts are groups of towns whose residents receive services through the local District Office of the Vermont Department of Health. See Appendix G for a map of the Local Health Districts.

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

Main county is the county in which the physician practices the greatest number of patient care hours. Similarly for main health care area, or district.

### Definition of Full Time Equivalent (FTE)

Reported hours per week were prorated based on the number of work weeks per year. Full time is defined as 40 patient care hours per week or more, for 48 weeks per year. Reported hours per week were adjusted to an annual average, based on a standard of 48 weeks per year. E.g., if 52 weeks were reported, the hours were multiplied by 52/48. A physician reporting more than 40 (adjusted) hours per week is defined as *one* FTE regardless of the number of hours. See the following examples:

|            |             | <u>Weeks</u> | <u>Hours</u> | <u>FTE</u> |
|------------|-------------|--------------|--------------|------------|
| Example 1: | Specialty 1 | 48           | 10           | 0.25       |
|            | Specialty 2 | 48           | 10           | 0.25       |
|            | Total       |              | 20           | 0.50       |
| Example 2: | Specialty 1 | 52           | 10           | 0.27       |
|            | Specialty 2 | 52           | 10           | 0.27       |
|            | Total       |              | 20           | 0.54       |
| Example 3: | Specialty 1 | 48           | 40           | 0.80       |
|            | Specialty 2 | 24           | 20           | 0.20       |
|            | Total       |              |              | 1.00       |

In Example 1, the physician works half-time and has hours split equally between 2 specialties. The second example is similar except for the number of weeks being more than 48 so the FTEs are adjusted upwards. In Example 3 the physician provides an average of 40 hours per week year round (40 adjusted hours) in specialty 1, and another 20 hours of work in specialty 2 in each of only 24 weeks per year (10 adjusted hours). This is calculated as 1.0 FTE total for the person, apportioned between the two specialties by the adjusted 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 physicians are exact integers, however, and should add up to displayed totals.

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

Many of the tables contain information that is individual-based, and each physician 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 physicians in more than one row or column, e.g., in every county the physician 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 (to be referred to by number)**

### **1. Calculation of Age**

Ages were calculated as 2018 minus the year of birth, i.e., as of 12/31/2018. Tables that refer to physicians' age in 2016 are based on ages as of 12/31/2016.

### **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.

### **3. Table Excludes Pathologists, Radiologists and Telemedicine**

Pathology and radiology specialties are excluded from this table. We are no longer able to determine total radiology FTEs because much of the radiology work is now done remotely by out-of-state radiologists, and the portion of their total time spent on Vermont patients is unknown. Hours in active pathology practice are not part of our definition of direct patient care. Moreover, some of the pathology work is done via telemedicine. Thus pathologists are not included in any table quantifying patient care as FTEs.

### **4. Notes Regarding Tables Listing Provider Full Time Equivalent (FTE) And Hours By Area (e.g., County), or by Setting:**

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

Because of this inclusive approach taken in tallying providers across practice locations and specialties, 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 state totals which sum the county-level counts, and the “Total” of combined specialties. 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 errors).

See also Note 15 regarding the calculation of weekly hours and FTEs.

(notes 5 and 6 skipped intentionally)

7. **Population Estimates**

The population estimates used in this report are from the Census Bureau, with the “2018” populations as estimated for July, 2018.

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.

(note 9 skipped intentionally)

10. **Notes Regarding Availability of Care**

The survey queried physicians on whether they accept new patients, and whether they participate in Medicaid and Medicare, separately for each site where they practice.

In the first table depicting availability of care by specialty, each provider is counted once, in his or her main specialty. A provider is counted as accepting new patients if they accept new patients at any site, and as participating in Medicaid or Medicare if they participate at any site.

In the second table, depicting FTEs, availability of care by specialty, each site of each provider is counted, pro-rated by the fractional FTEs computed for each site.

In the table depicting availability of care by county, 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. Each site of each provider is tabulated under the (main) specialty reported for that site, whether or not that is the provider’s overall main specialty.

The following specialties are excluded from the “accept Medicare patients” statistic (both numerator and denominator): all pediatric specialties and subspecialties (including adolescent medicine), maternal and fetal medicine, reproductive endocrinology, child neurology and child and adolescent psychiatry.

11. **Office Settings Only**

Only ambulatory and office-based settings are counted in this table. For 2018 the following settings are included: Solo practice, group practice (single- or multi-specialty), community clinic (including mental health agencies), home health, and hospital outpatient including those who indicated both inpatient and outpatient work. This is not exactly comparable to previous surveys, as the list of settings has changed. These differences did not seem to make a large difference in the computed percentages accepting new patients.

12. **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

13. **Residency by Region**

As in 2016, and unlike years prior to 2014, the 2018 census only asked about one residency for each physician. Therefore, the percentages for all the regions within a row should not add up to more than 100. Information on multiple residencies is absent, though.

14. **Determining UVM Training**

In a few cases residency information is available, or school information is available, but not both. These cases **are included** in the last section of the table (“Doctors with *Any Known Training*”) along with the doctors for whom both school and residency information are known.

15. **Patient Care Hours**

"Full Time" is defined here as 40 (or more) hours of direct patient care per week in Vermont, 48 weeks per year. Average weekly hours (and FTEs), based on 48 weeks per year, were computed for providers who reported working more or less than 48 weeks per year. This results in fractional hours, and rounding errors may affect the displayed hours. Thus, in some cases the hours in the "total" columns differ, usually by one hour, from the totals of the hours displayed in the detail columns. Some providers provide additional care (not listed here): outside Vermont, or as *locum tenens*, or do other types of work besides direct patient care, e.g., administration, teaching or research.



## Appendix C:

# Vermont MD census 2018

### Identification

- 1) First Name\* \_\_\_\_\_
- 2) Middle Name (if any) \_\_\_\_\_
- 3) Last Name\* \_\_\_\_\_
- 4) Vermont Physician License Number\* \_\_\_\_\_

### Demographics

- 5) Date of birth (M/D/YYYY)\* \_\_\_\_\_
- 6) Gender             Male         Female         Other
- 7) How would you classify your race (check all that apply):
- American Indian or Alaska Native
- Black or African American
- White
- Asian
- Native Hawaiian or other Pacific Islander
- Prefer not to answer
- Other - please specify: \_\_\_\_\_\*
- 8) Are you Hispanic, Latino/a, or of Spanish origin?
- Yes             No             Prefer not to answer

### Training

- 9) Please enter the two letter code for the state where you completed your Medical Doctor education: \_\_\_\_\_
- 10) If completed outside the U.S. or Canada, please specify country: \_\_\_\_\_
- 11) Please enter the two letter code for the state where you completed your first residency, if any: \_\_\_\_\_
- 12) In what year did you start practicing (anywhere) as a Physician? (if never, leave blank) \_\_\_\_\_
- 13) In what year did you start practicing as a Physician in Vermont? (if never, leave blank) \_\_\_\_\_
- 

### Activity Status

- 14) Please check all of the boxes that describe your practice as a Physician:\*
- Active in clinical practice in Vermont
- Active in clinical practice outside Vermont
- Active in clinical practice via telemedicine
- Teaching, but not providing direct patient care
- Actively working in a field other than medicine
- Not currently working
- Retired
-

## If not active

**16) How many years has it been since you provided clinical or patient care?**

- less than 2 years
- 2 to 5 years
- 5 to 10 years
- more than 10 years
- I have never provided clinical or patient care

**17) Do you plan to start (or resume) clinical practice in Vermont within the next 12 months?**      yes      no

[and skip to end of census form]

---

## If currently active

**18) Do you plan to retire, or leave your principal Vermont clinical practice, within the next 12 months?**

- yes      no

**19) Do you plan to reduce your patient care hours in Vermont within the next 12 months?**

- yes
- no

**20) Do you use email (or other electronic text-based methods such as texting, or web-based forms) for two-way communication with some of your clients/patients?**

- Yes
- No, although my practice site offers this option
- No, my practice site does not offer this option

**21) Do you feel that these electronic methods improve, or could improve, your engagement/communication with your patients?**

- Yes
  - No
  - Not sure
- 

## **Practice Site 1 (your principal Vermont clinical practice site):**

**22) Please choose the best description of your practice at this site:\***

- I provide local care to patients of this Vermont site
- I provide remote care to patients of this Vermont site
- I practice telemedicine from this Vermont site, patients are anywhere
- I practice telemedicine from outside Vermont, some patients are in Vermont

**23) Vermont town name (not a mailing address):\*** \_\_\_\_\_

**24) ZIP code of practice location:\*** \_\_\_\_\_

**25) Phone number of this practice location:\*** \_\_\_\_\_

26) Practice name: \_\_\_\_\_

27) Street Address: \_\_\_\_\_

29) Choose the **ONE** description that best fits your practice setting at this site:\*

- Office-based solo physician practice
- Office-based single-specialty physician group
- Office-based multi-specialty physician group
- Hospital emergency department
- Hospital inpatient department
- Hospital outpatient department
- Hospital in- and out-patient
- Urgent Care / Walk in
- Federal / community health center (FQHC/RHC/CHC)
- Community Mental Health Center
- Home health setting
- Nursing home / extended care facility
- Hospice care
- Clinic serving a School or college
- Occupational health setting
- Free Clinic
- Other - please specify \*: \_\_\_\_\_\*

30) Do you work here as locum tenens, on a contract that is for less than a year? (A locum tenens is an employee contracted through a staffing firm or is a self-employed contractor)

- yes       no

[If locum tenens:] Have you been working here for more than a year now?     yes       no

The following questions are about direct patient care:

31) Enter the number of weeks per year during which you provide any direct patient care here: (48 weeks per year is considered "year-round").\* \_\_\_\_\_

29) Main specialty you actually practice at this site (with or without a certification): [pull-down menu]

33) If you selected "Other specialties, Not listed", please describe: \_\_\_\_\_

34) Hours per working week in direct patient care in main specialty here: (Direct patient care includes diagnosis, treatment and clinical reporting.)\* \_\_\_\_\_

35) Secondary specialty you actually practice at this site (if any): [pull-down menu]

36) If you selected "Other specialties, Not listed", please describe: \_\_\_\_\_

37) Hours per working week here in direct patient care in secondary specialty, if any: \_\_\_\_\_

38) Tertiary specialty you actually practice at this site (if any): [pull-down menu]

39) Hours per working week in direct patient care in tertiary specialty, if any: \_\_\_\_\_

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

|                                          | yes                      | no                       | n.a.                     |
|------------------------------------------|--------------------------|--------------------------|--------------------------|
| I will accept new patients here          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| I participate in Medicaid here           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| I will accept new Medicaid patients here | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| I participate in Medicare here           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| I will accept new Medicare patients here | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

**41) Please tell us about time you spend on activities *other than* direct patient care *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 in teaching at this site: \_\_\_\_\_

Hours per working week in research at this site: \_\_\_\_\_

Hours per working week in other activities (not mentioned above) at this site: \_\_\_\_\_

**If you reported hours in "other activities" above, please describe, e.g., quality improvement, continuing education, etc:** \_\_\_\_\_

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

---

## Second Vermont practice site

**43) Do you have more than one practice site in Vermont?**

yes       no

[if yes, same questions as for Site 1]

---

## Third Vermont practice site

**65) Do you have more than two practice sites in Vermont?**

yes       no

[if yes, same questions as for Site 1]

---

## Additional Vermont practice sites

**87) Do you have more than three practice sites in Vermont?**

yes       no

**88) Please describe your work at additional sites beyond the three you entered above, briefly, including locations, specialties and hours:**

---

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

---

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

|                                          |                                               |
|------------------------------------------|-----------------------------------------------|
| 0101 Allergy and Immunology              | 0801 Medical Genetics                         |
| 4005 Allergy                             | 0802 Clinical Biochemical Genetics            |
| 4015 Immunology                          | 0804 Clinical Cytogenetics                    |
| 0102 Clinical & Laboratory Immunology    | 0805 Clinical Genetics (MD)                   |
| 4025 Pediatric Allergy                   | 0806 Clinical Molecular Genetics              |
|                                          | 0807 Molecular Genetics Pathology             |
| 0201 Anesthesiology                      | 0901 Neurological Surgery                     |
| 0202 Critical Care Medicine (Anesth.)    | 1001 Nuclear Medicine                         |
| 0203 Pain Management                     |                                               |
| 0301 Colon & Rectal Surgery              | 1101 Obstetrics & Gynecology                  |
|                                          | 4011 Gynecology                               |
| 0401 Dermatology                         | 4020 Obstetrics                               |
| 0404 Dermatological Immunology           | 1102 Critical Care Medicine (OBGYN)           |
| 0402 Dermatopathology                    | 1103 Gynecologic Oncology                     |
| 0405 Pediatric Dermatology               | 1104 Maternal & Fetal Medicine                |
|                                          | 1105 Reproductive Endocrinology               |
| 0501 Emergency Medicine                  | 1201 Ophthalmology                            |
| 0502 Medical Toxicology                  | 4026 Pediatric Ophthalmology                  |
| 0503 Pediatric Emergency Medicine        |                                               |
| 0504 Sports Medicine (EM)                | 1301 Orthopaedic Surgery                      |
| 0505 Underseas Medicine (EM)             | 4004 Adult Reconstructive Orthopedics         |
|                                          | 1302 Hand Surgery                             |
| 0601 Family Practice                     | 4022 Orthopedic Surgery Of The Spine          |
| 0604 Adolescent Medicine (FP)            | 4023 Orthopedic Trauma                        |
| 0602 Geriatric Medicine (FP)             | 4027 Pediatric Orthopedics                    |
| 0603 Sports Medicine (FP)                | 4032 Sports Medicine (Ortho Surg)             |
|                                          | 4033 Traumatic Surgery                        |
| 4010 General Practice                    |                                               |
|                                          | 1401 Otolaryngology                           |
| 0701 Internal Medicine (primary care)    | 1402 Otology/Neurotology                      |
| 0702 Adolescent Medicine (IM)            | 1403 Pediatric Otolaryngology                 |
| 0703 Clinical Cardiac Electrophysiology  | 1404 Plastic Surgery Within the Head and Neck |
| 0704 Cardiovascular Disease              | 1405 Sleep Medicine (otolaryng.)              |
| 0706 Clinical & Laboratory Immunology    |                                               |
| 0705 Critical Care Medicine (IM)         | 1500 Pathology                                |
| 0707 Endocrinology Diabetes & Metabolism | 1501 Anatomic & Clinical Pathology            |
| 0708 Gastroenterology                    | 1502 Anatomic Pathology                       |
| 0709 Geriatric Medicine (IM)             | 1503 Clinical Pathology                       |
| 0710 Hematology                          | 1504 Blood Banking/Transfusion Medicine       |
| 0711 Infectious Disease                  | 1505 Chemical Pathology                       |
| 0717 Interventional Cardiology           | 1506 Cytopathology                            |
| 0712 Medical Oncology                    | 1507 Dermatopathology                         |
| 0713 Nephrology                          | 1508 Forensic Pathology                       |
| 0714 Pulmonary Disease                   | 1509 Hematology                               |
| 0715 Rheumatology                        | 1511 Medical Microbiology                     |
| 0718 Sleep Medicine (IM)                 | 1514 Molecular Genetic Pathology              |
| 0716 Sports Medicine (IM)                | 1512 Neuropathology                           |
| 0719 Transplant Hepatology (IM)          | 1513 Pediatric Pathology                      |
|                                          | 4031 Radioisotopic Pathology                  |

**CODES CONTINUED ON BACK**

# SPECIALTY CODES

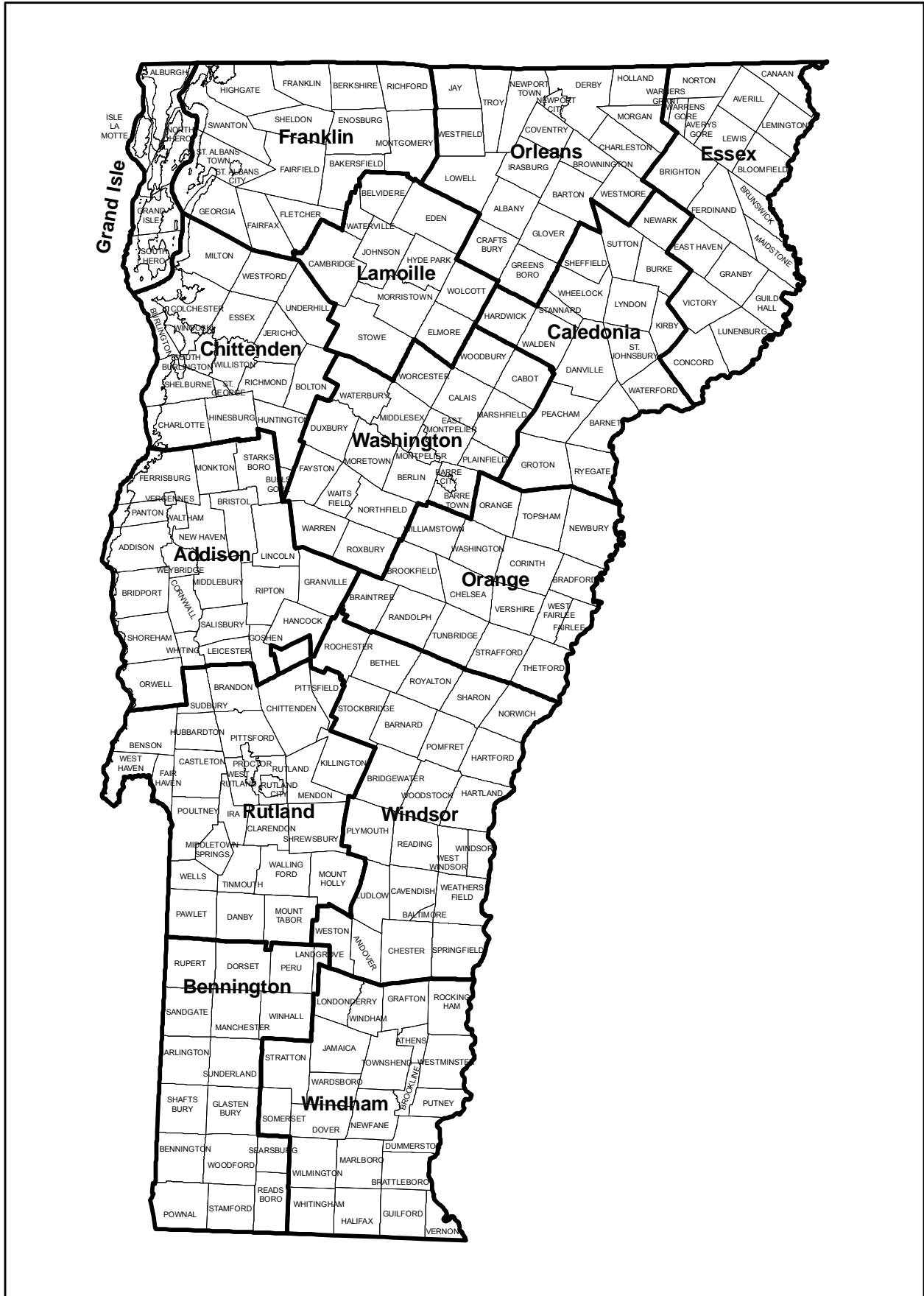
(continued)

(primary care specialties in boldface)

|                                |                                                             |      |                                      |
|--------------------------------|-------------------------------------------------------------|------|--------------------------------------|
| 1601                           | Pediatrics                                                  | 2010 | Pain Medicine (neurology)            |
| 1602                           | Adolescent Medicine                                         | 4030 | Psychoanalysis                       |
| 1603                           | Clinical & Laboratory Immunology                            | 2011 | Psychosomatic Medicine               |
| 1622                           | Child Abuse Medicine                                        | 2012 | Sleep Medicine (psy/neuro)           |
| 1618                           | Developmental-Behavioral Pediatrics                         | 2013 | Vascular Neurology                   |
| 1604                           | Medical Toxicology                                          |      |                                      |
| 1605                           | Neonatal-Perinatal Medicine                                 | 2101 | Radiology                            |
| 1619                           | Neurodevelopmental Disabilities (peds)                      | 2102 | Diagnostic Radiology                 |
| 1606                           | Pediatric Cardiology                                        | 2103 | Radiation Oncology                   |
| 1607                           | Pediatric Critical Care Medicine                            | 2104 | Radiological Physics                 |
| 1608                           | Pediatric Emergency Medicine                                | 4018 | Neuroradiology                       |
| 1609                           | Pediatric Endocrinology                                     | 2105 | Nuclear Radiology                    |
| 1610                           | Pediatric Gastroenterology                                  | 2106 | Pediatric Radiology                  |
| 1611                           | Pediatric Hematology-Oncology                               | 2107 | Vascular & Interventional Radiology  |
| 1612                           | Pediatric Infectious Disease                                |      |                                      |
| 1613                           | Pediatric Nephrology                                        | 2201 | Surgery                              |
| 1614                           | Pediatric Pulmonology                                       | 4001 | Abdominal Surgery                    |
| 1615                           | Pediatric Rheumatology                                      | 4006 | Cardiovascular Surgery               |
| 1616                           | Pediatric Sports Medicine                                   | 4012 | Head & Neck Surgery                  |
| 1617                           | Children With Special Health Needs                          | 4021 | Oral & Maxillofacial Surgery         |
| 1620                           | Pediatric Transplant Hepatology                             | 2203 | Pediatric Surgery                    |
| 1621                           | Sleep Medicine (peds)                                       | 2202 | Surgery Of The Hand                  |
|                                |                                                             | 2204 | Surgical Critical Care               |
| 1701                           | Physical Medicine & Rehabilitation                          | 2205 | Vascular Surgery                     |
| 1702                           | Pain Medicine (phys med)                                    |      |                                      |
| 1703                           | Pediatric Rehabilitation Medicine                           | 2301 | Thoracic Surgery                     |
| 1704                           | Spinal Cord Injury Medicine                                 |      |                                      |
|                                |                                                             | 2401 | Urology                              |
| 1801                           | Plastic Surgery                                             | 4029 | Pediatric Urology                    |
| 1802                           | Hand Surgery                                                |      |                                      |
| 1803                           | Plastic Surgery Within the Head and Neck                    | 3201 | General Osteopathic Medicine         |
|                                |                                                             |      |                                      |
| 1901                           | Preventive Medicine                                         |      | Misc. Specialties – not board names: |
| 1902                           | Aerospace Medicine                                          | 4002 | Acupuncture                          |
| 1903                           | Occupational Medicine                                       | 4003 | Addiction Medicine                   |
| 1904                           | Public Health & General Preventive                          | 4007 | Clinical Pharmacology                |
| 1905                           | Medical Toxicology                                          | 4013 | Hepatology                           |
| 1906                           | Underseas Medicine (PM)                                     | 4014 | Homeopathic Medicine                 |
|                                |                                                             | 4040 | Hospitalist                          |
| Psychiatry & Neurology         |                                                             | 4016 | Legal Medicine                       |
| (board name - not a specialty) |                                                             | 4017 | Musculoskeletal Oncology             |
| 2001                           | Psychiatry                                                  | 4019 | Nutrition                            |
| 2002                           | Neurology                                                   | 4024 | Pain Medicine                        |
| 2003                           | Neurology With Special Qualifications<br>In Child Neurology | 4035 | Phlebology                           |
| 2004                           | Addiction Psychiatry                                        | 4036 | Palliative Care                      |
| 2005                           | Child & Adolescent Psychiatry                               | 4034 | Sleep Medicine                       |
| 2008                           | Clinical Neurophysiology                                    |      |                                      |
| 2006                           | Forensic Psychiatry                                         | 9999 | Other - Please Specify               |
| 2007                           | Geriatric Psychiatry                                        |      |                                      |
| 2009                           | Neurodevelopmental Disabilities                             |      |                                      |

CODES CONTINUED ON FRONT

# Appendix E: Vermont Counties and Towns



Appendix F: Health Care Areas used by the Vermont Blueprint for Health





Appendix G: Local Health Districts

