



Guidance • Support • Prevention • Protection

**Rural Health Services Task Force
Health Care Infrastructure - July 18, 2019**

Agenda – July 18, 2019

- Health Care Facility Locations
- Vermont Demographics & Social Vulnerability Index – Online tool
- Some workforce, to give context to need.

Hospitals in/near Vermont

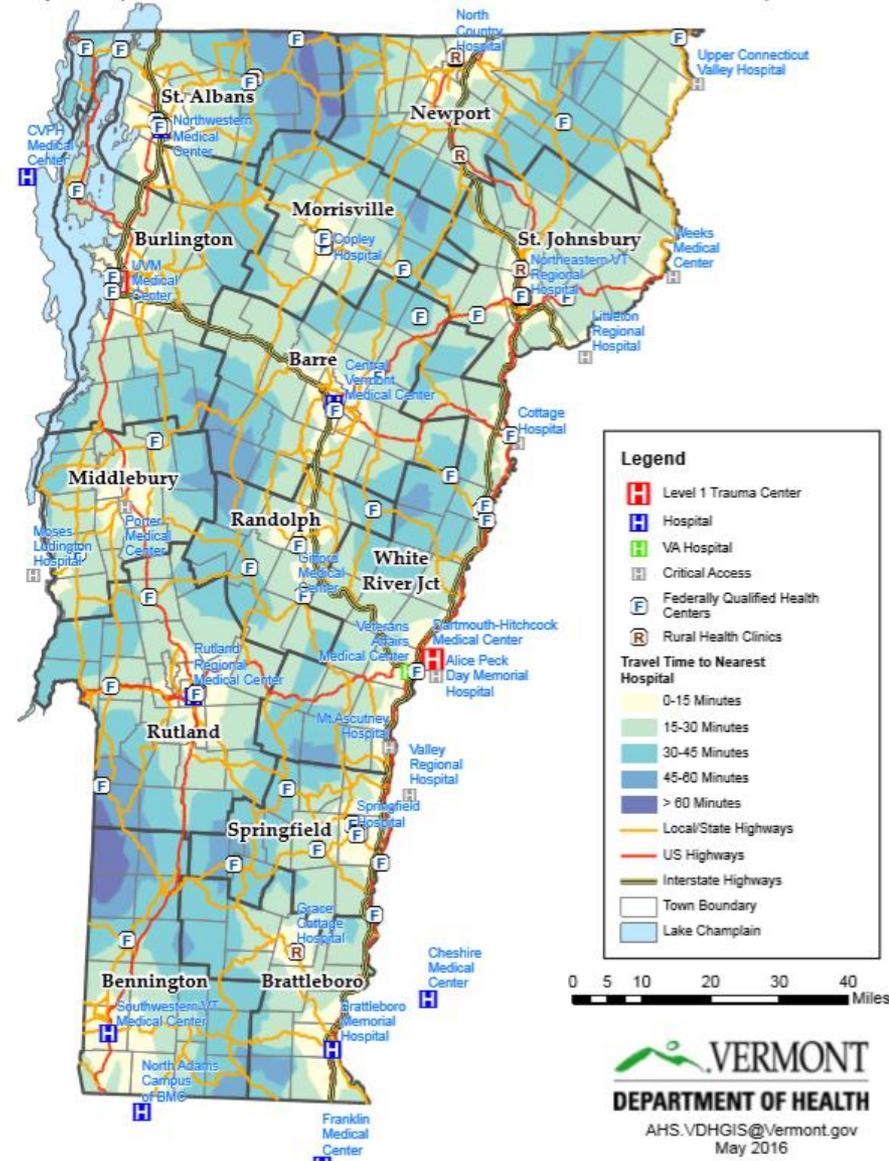
Tertiary Care Ctrs.	2
Mid-size rural	5
Critical Access	8
Veterans Admin.	1
Nearby	~ 10

Psychiatric	2
Designated units	4

Drive times

Road conditions may vary!

Rural Health Clinics, Federally Qualified Health Centers & Hospitals by Hospital Service Areas & Travel Time to Nearest Hospital



Primary Care Practices

176 Total (2018)

~50 FQHC

125 "Other"

— Hospital-owned

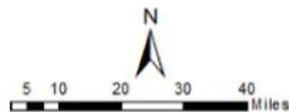
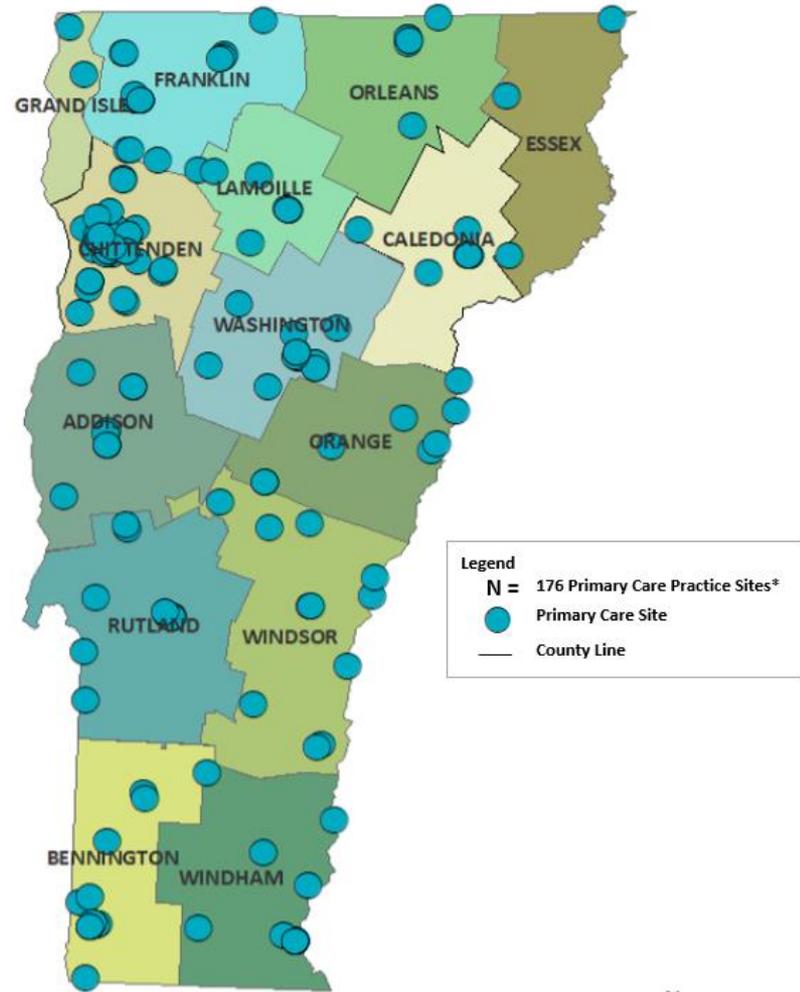
9 RHCs

— Independent

— Group

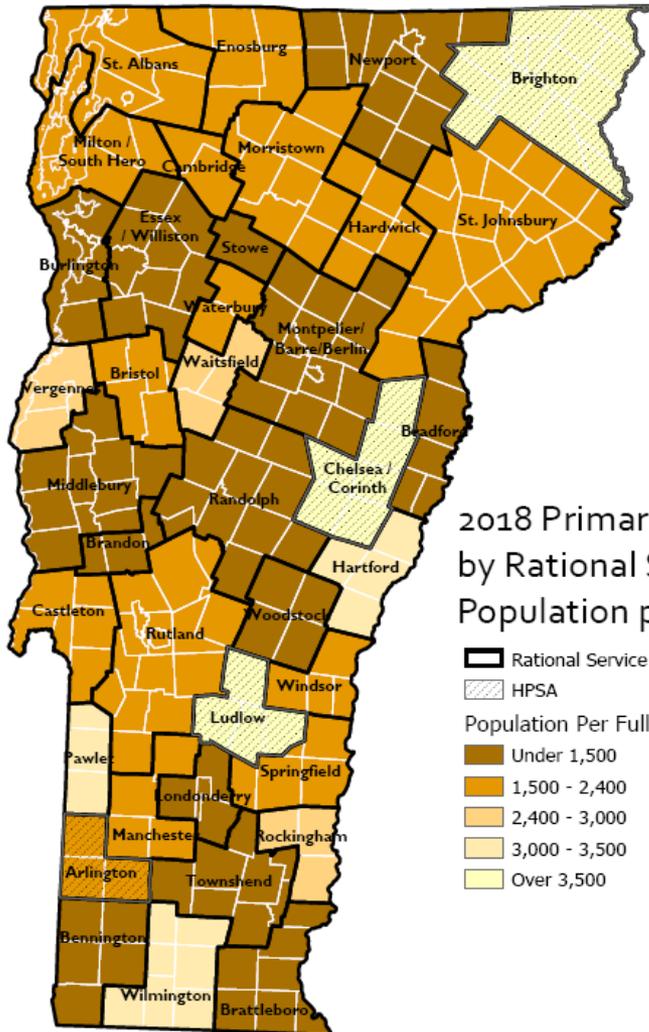
— Solo

Vermont Primary Care Practice Sites
2018



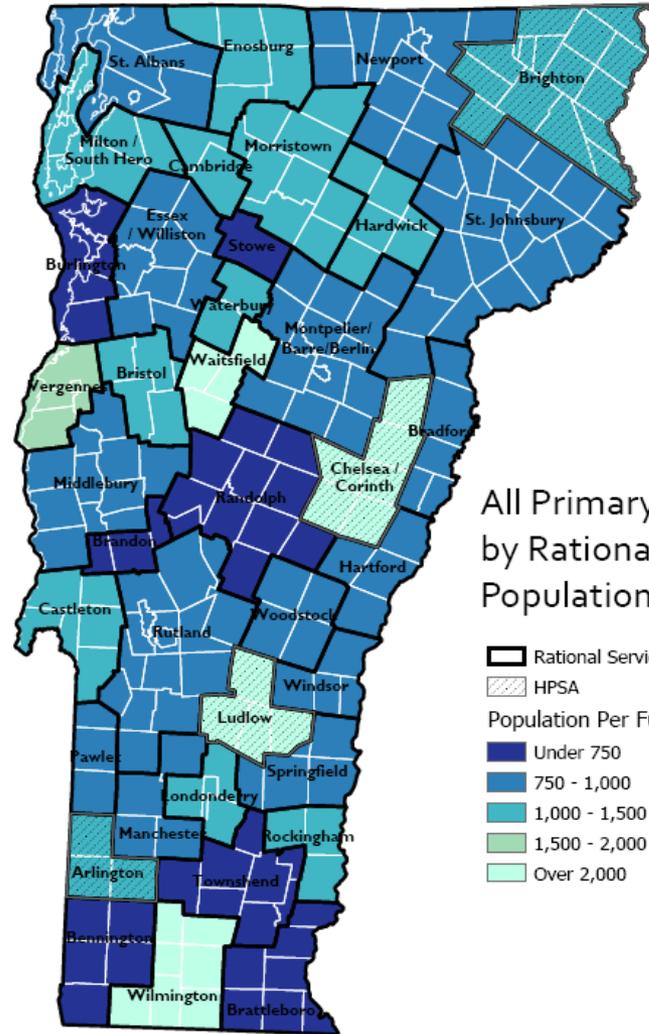
*Primary Care Site (AHEC defined): see endnotes for definition
VT County map created by the VT Center for Geographic Information, <http://vcgi.vermont.gov>

Primary Care workforce



2018 Primary Care Physicians by Rational Service Areas: Population per FTE

- Rational Service Area (RSA)
- HPSA
- Population Per Full Time Equivalent (FTE)**
 - Under 1,500
 - 1,500 - 2,400
 - 2,400 - 3,000
 - 3,000 - 3,500
 - Over 3,500



All Primary Care Providers by Rational Service Areas: Population per FTE

- Rational Service Area (RSA)
- HPSA
- Population Per Full Time Equivalent (FTE)**
 - Under 750
 - 750 - 1,000
 - 1,000 - 1,500
 - 1,500 - 2,000
 - Over 2,000

Safety Net PC Providers

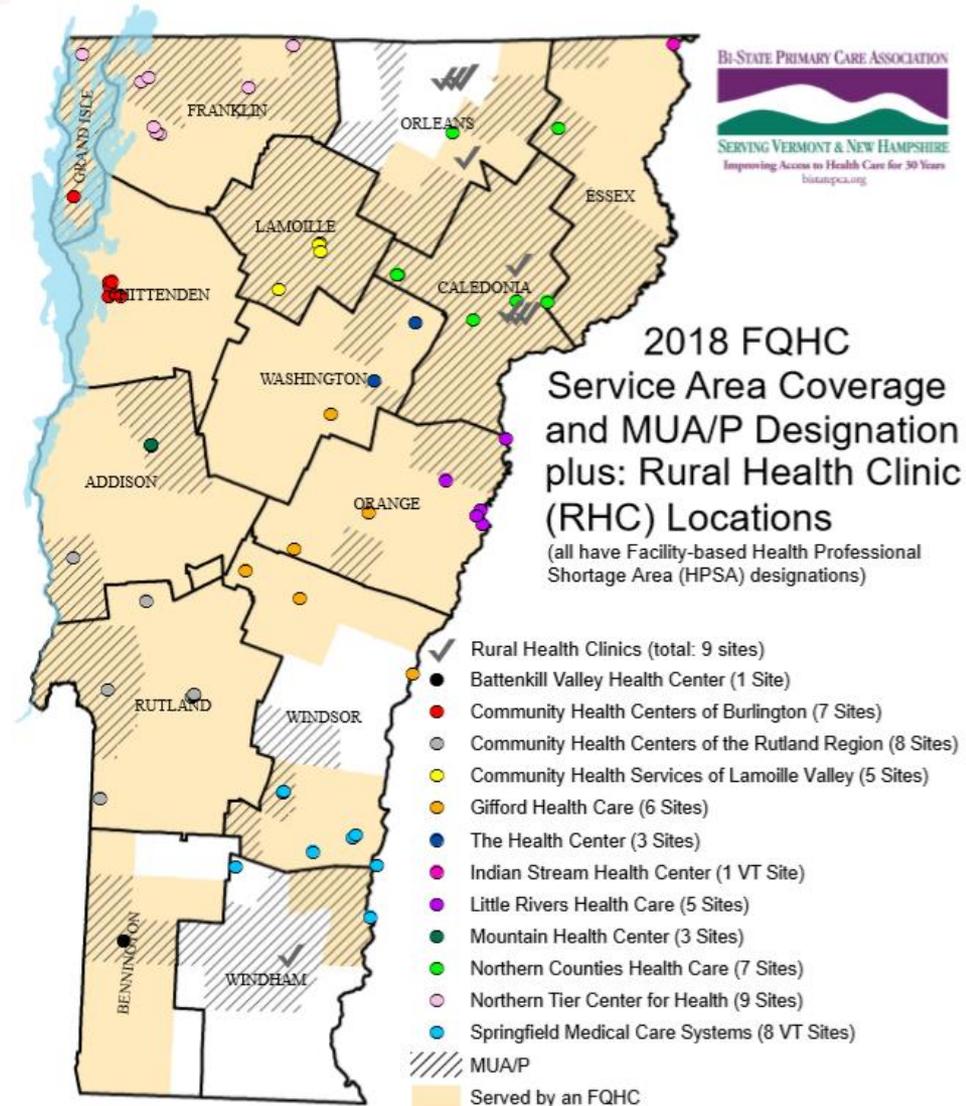
12 FQHC orgs.

47 PC sites

13 Dental sites

CMS-certified Rural Health Clinics (RHCs)

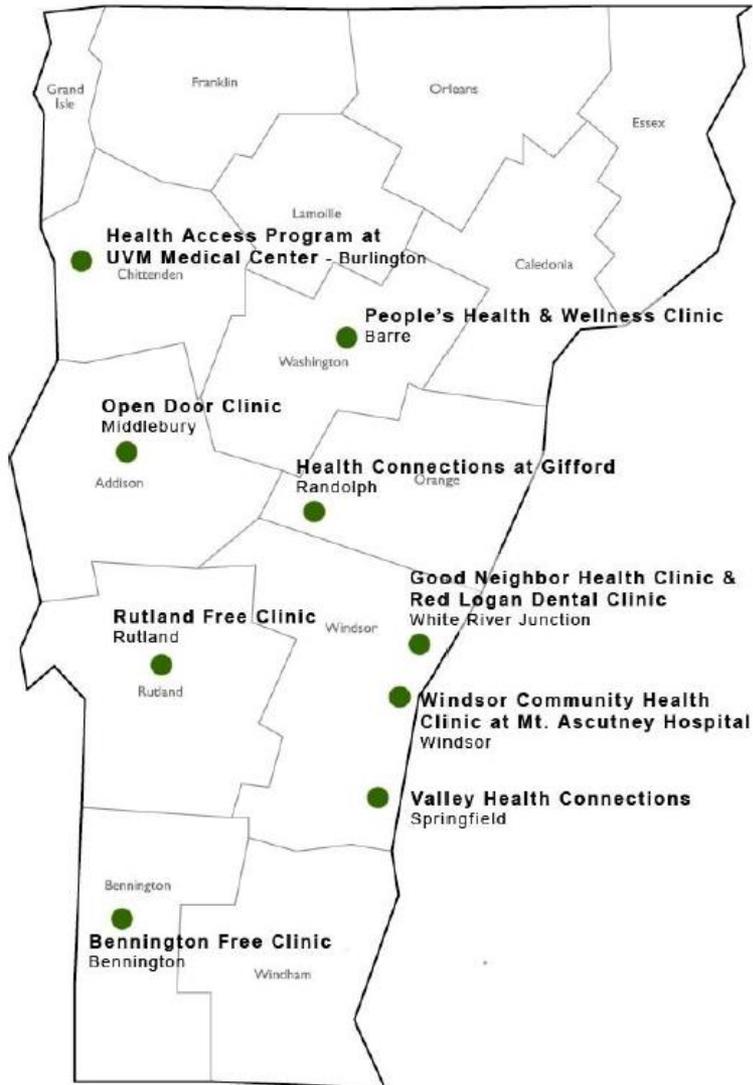
9 RHCs owned by:
NVRH, North Country &
Grace Cottage



Please note:
1. Some sites may overlap due to similar street addresses.
2. One SMCS practice is located in Charlestown, NH.
3. ISHC's main site is located in Colebrook, NH.
4. One site is a mobile dental clinic.

Free Clinics

- 9 member clinics of VCCU
 - 5 clinics provide services
 - 4 referral only to local services
 - 3 provide oral health services
- 1 non-member clinic in Brattleboro



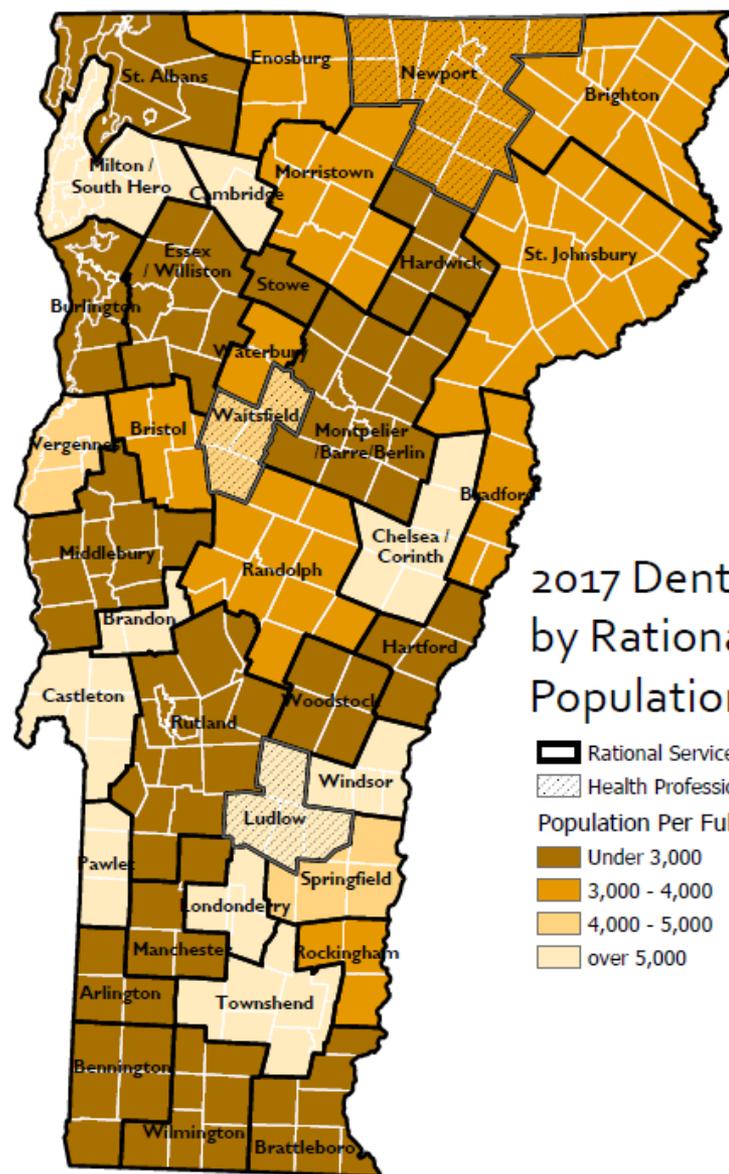
Oral Health

Practices / Types (2017)

- 104 Solo practices
 - 43 Practices w/ 2 dentists
 - ~21 Practices w/ 3+ dentists
 - 28 Community Clinics (FQHC?)
 - 17 Other
- 13 FQHCs + 1 mobile van
- 5 Not-for-profit clinics
- 3 Free clinics

Workforce counts (2017)

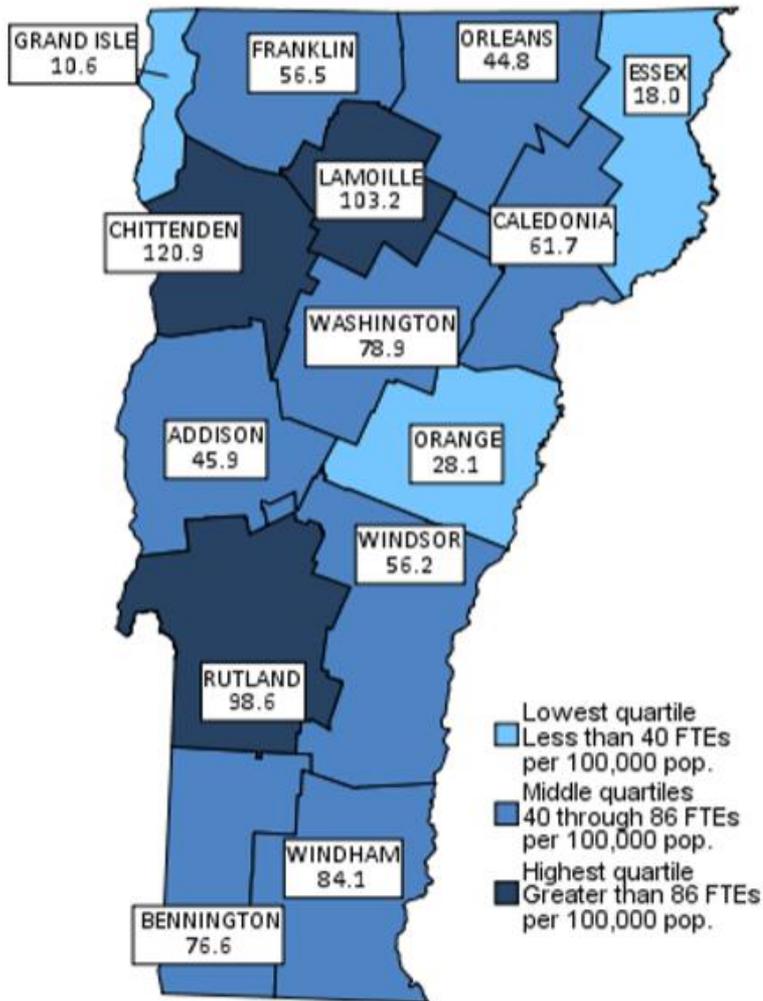
- 299 General dentists
 - 14 Pediatric dentists
 - 136 Specialists
- 558 Hygienists (2015)
- 596 Dental Assistants (2015)



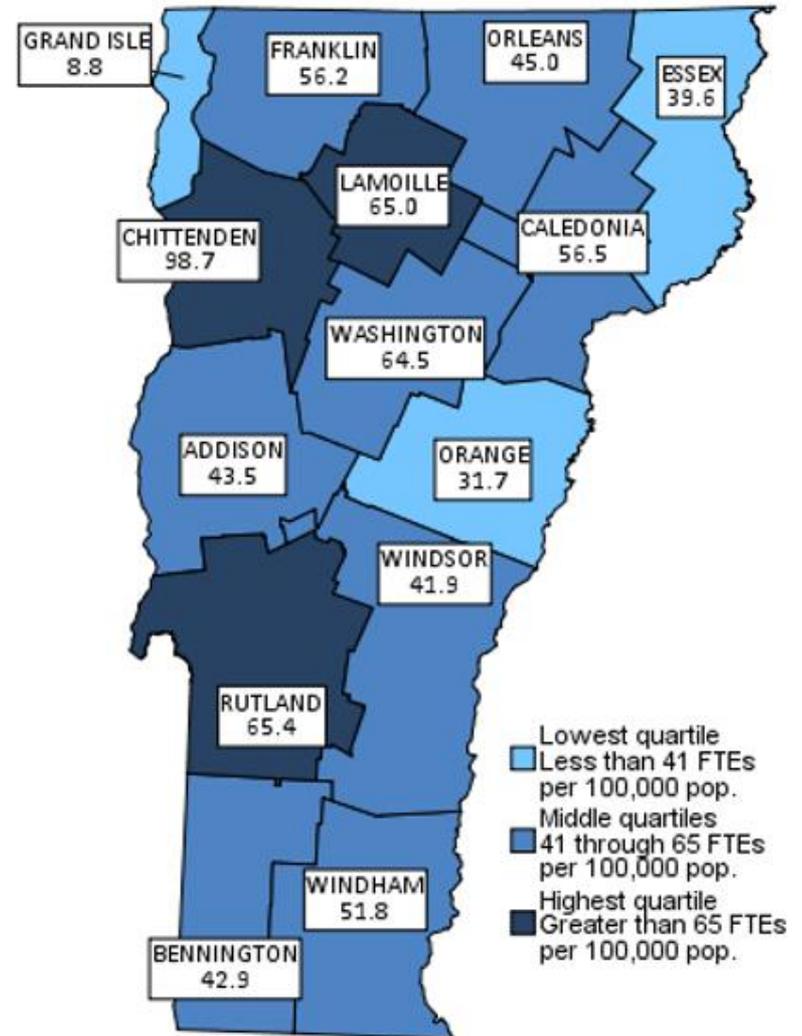
2017 Dentists
by Rational Service Areas:
Population per FTE

Vermont Department of Health

Full Time Equivalents to 100,000 population ratio by county



Full Time Equivalents to 100,000 population ratio by county

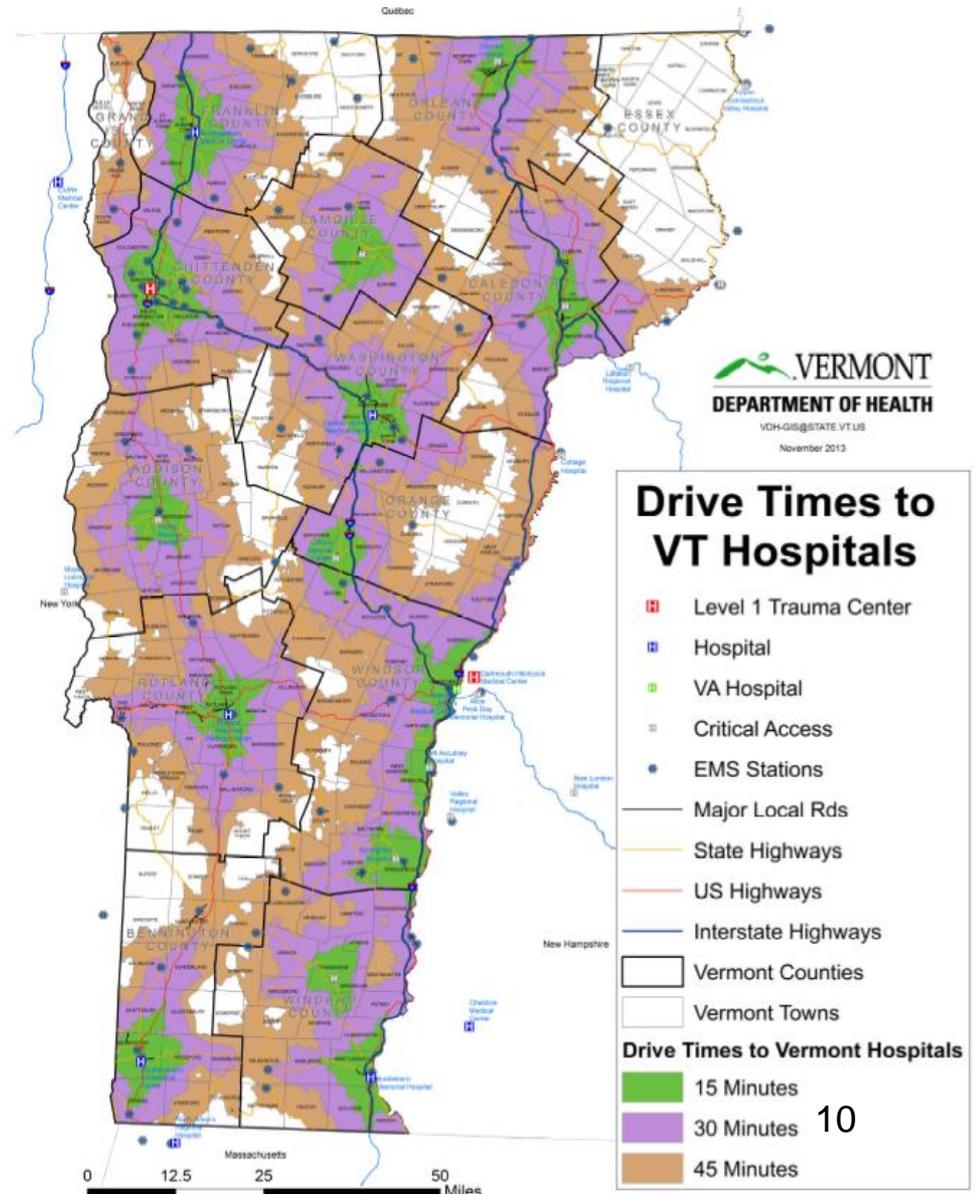


Emergency Medical Services

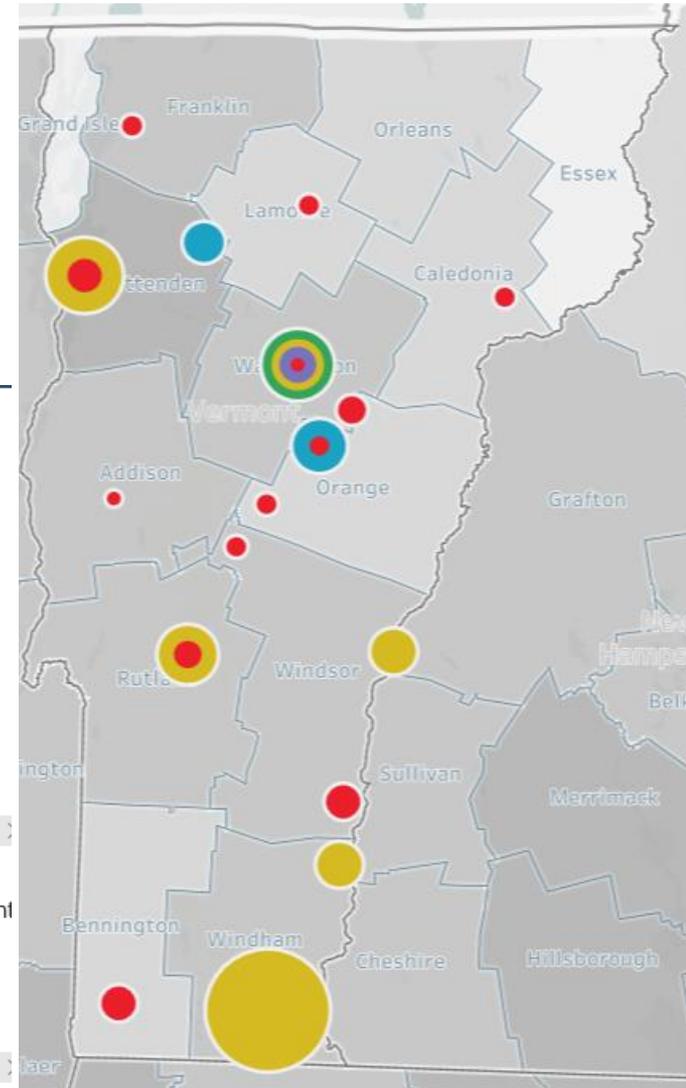
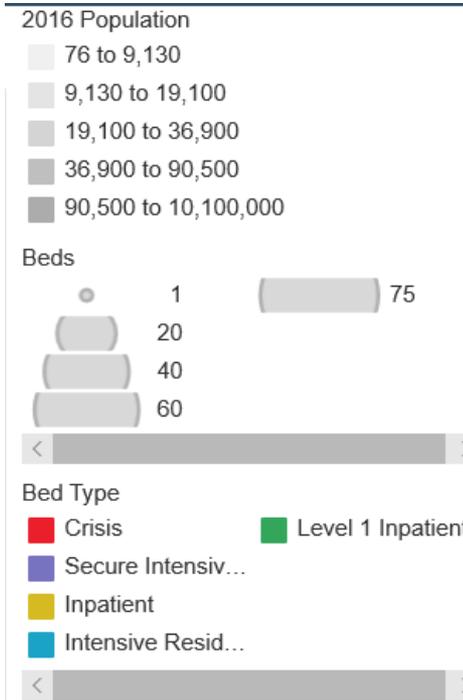
80 Transporting agencies

89 First responding agencies

Most are volunteer only

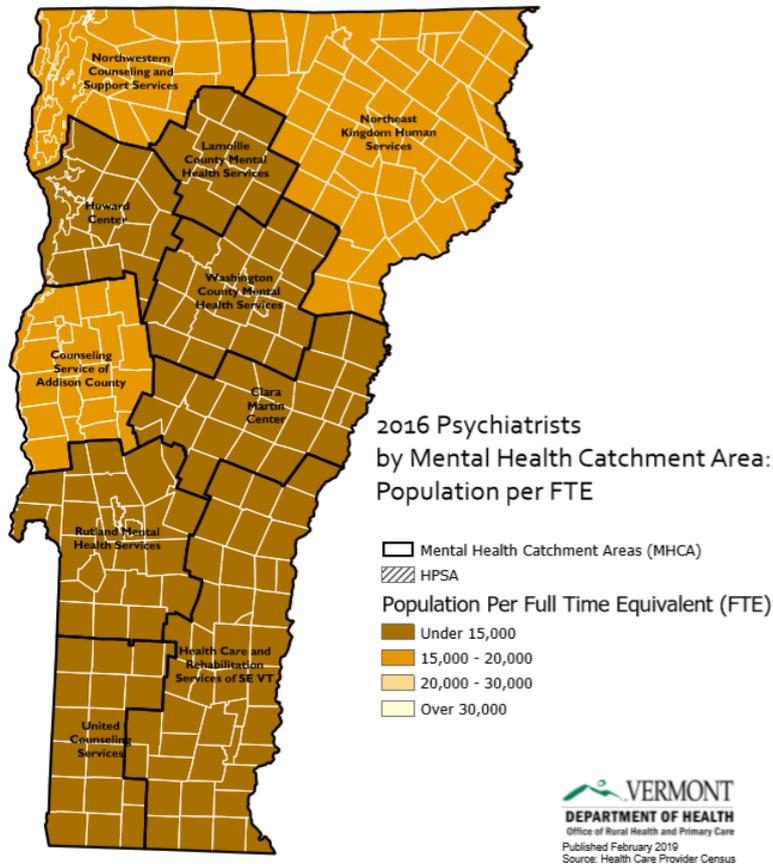


Mental Health Services & Beds

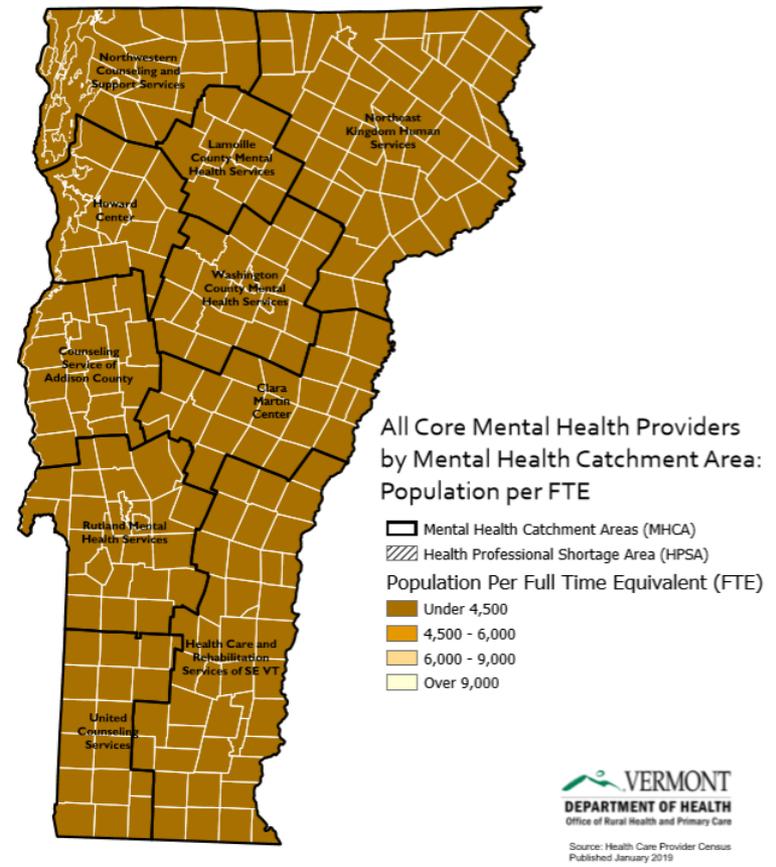


MH Provider Distribution

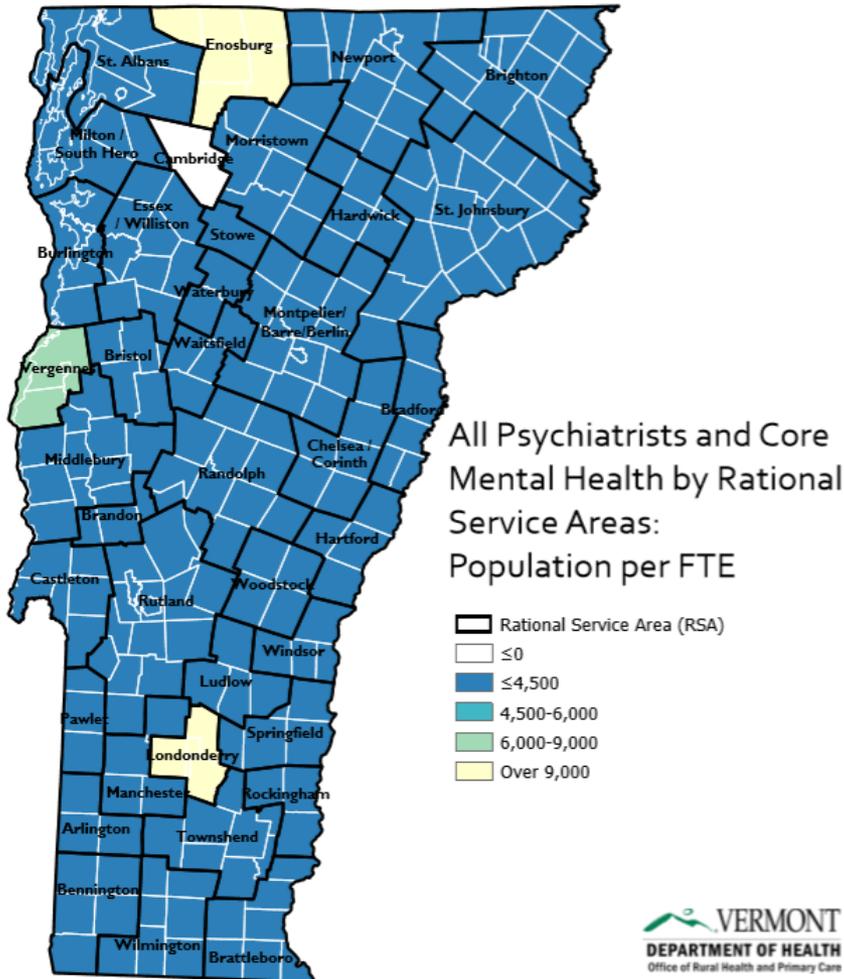
■ Psychiatrist Only



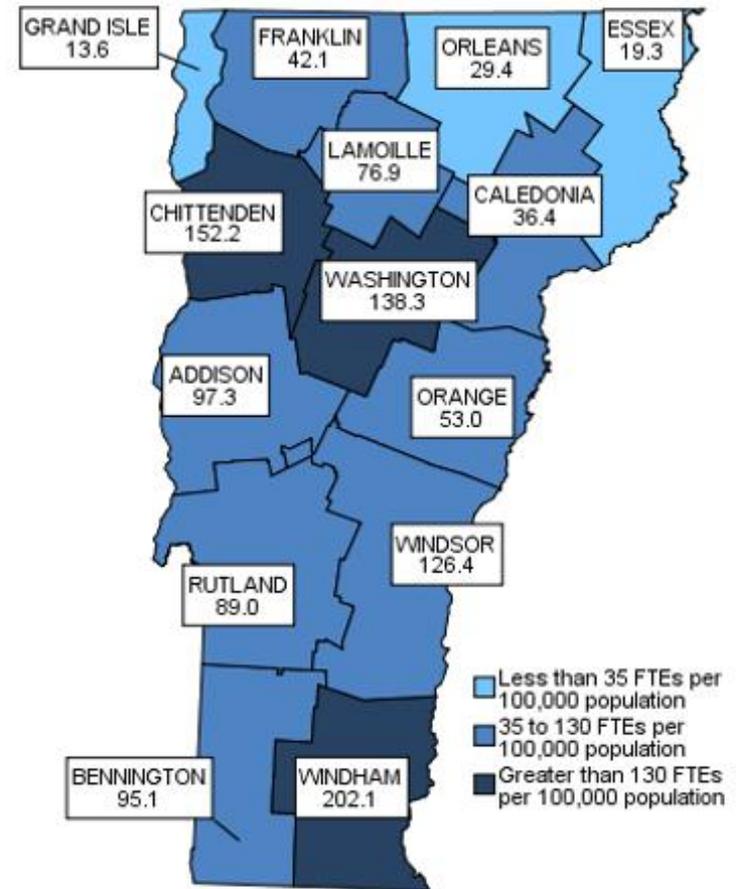
■ Core MH Providers



Vermont Department of Health



Social Worker FTEs to 100,000 population ratio by Vermont counties

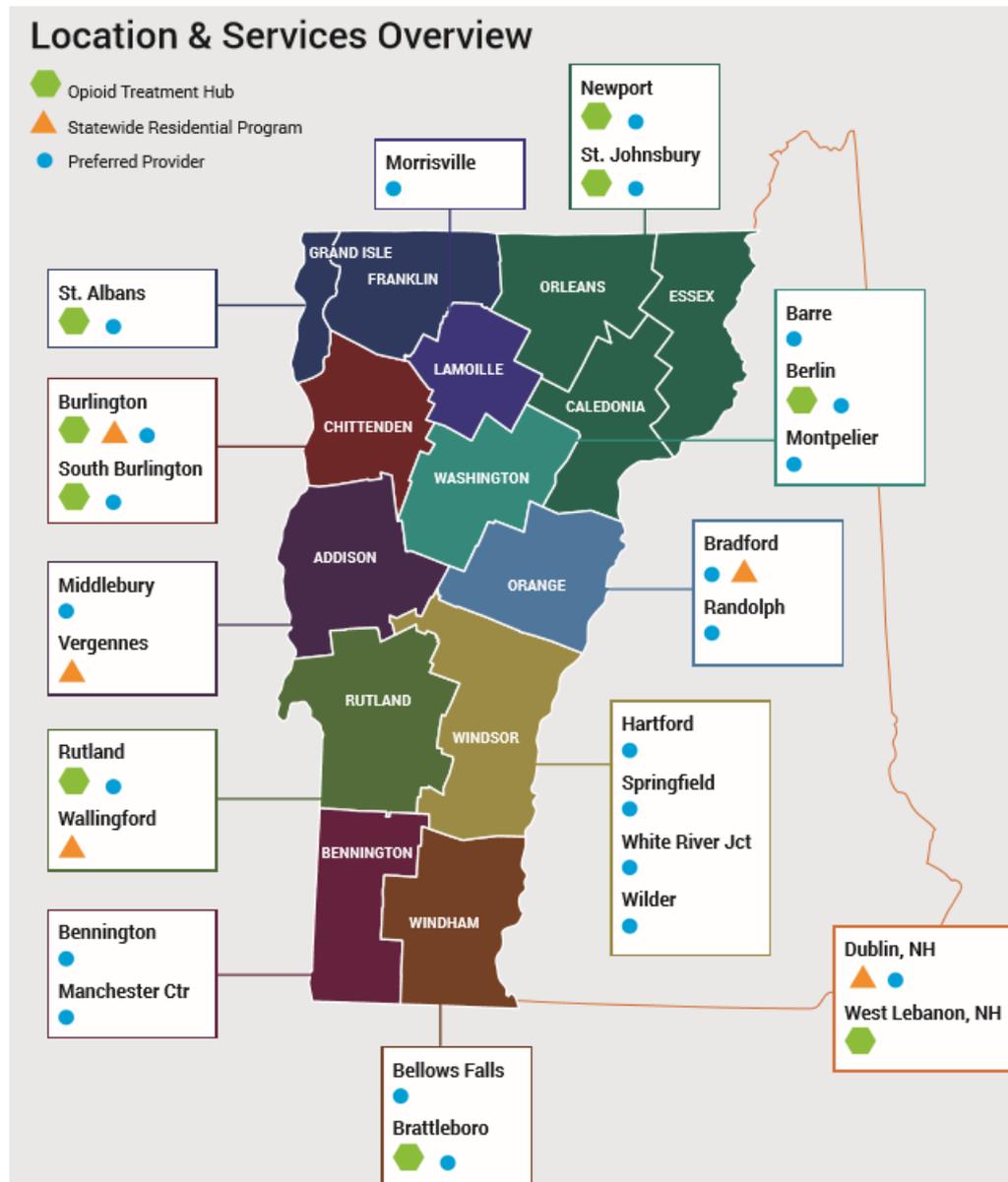


Opioid Use Treatment

9 Hubs

5 Residential programs

21 Preferred Providers



Substance Use Counselors

314 Active LADCs

201 with 2 licenses:

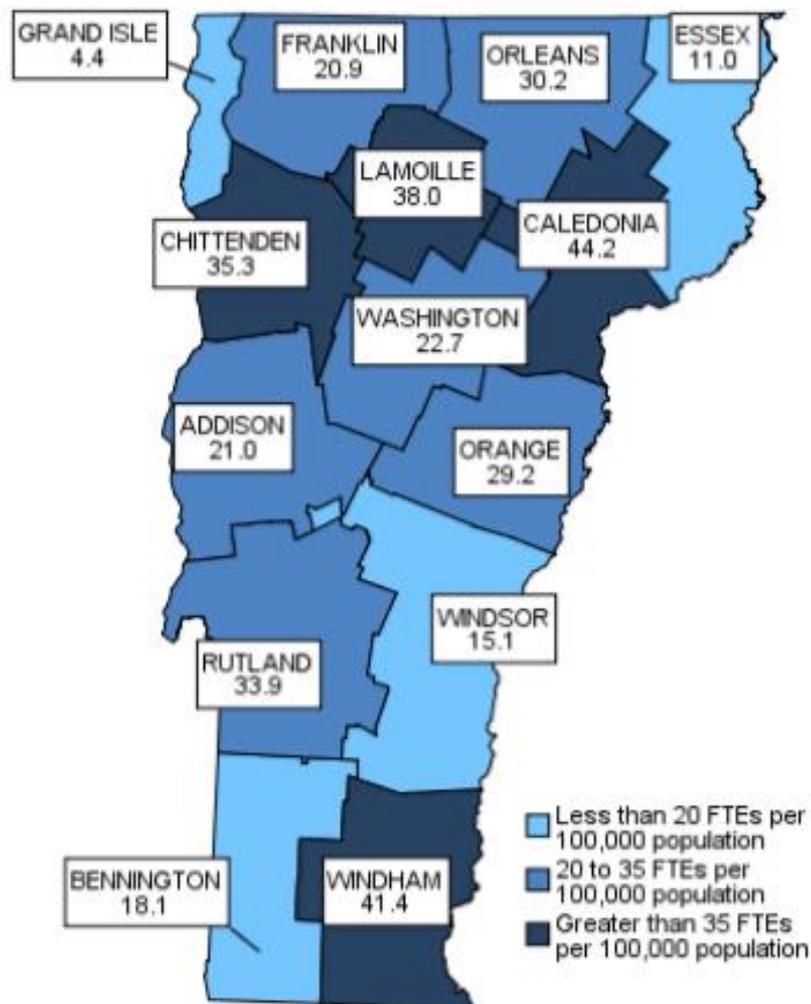
113 MH counselors

58 Social workers

17 Psychologists

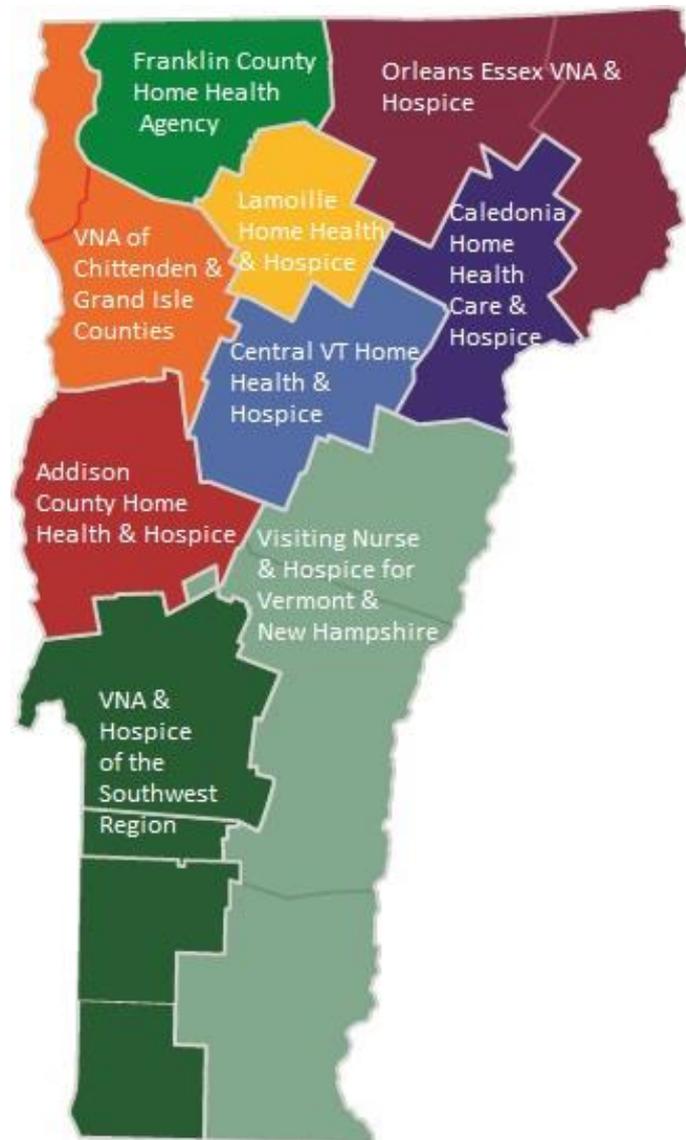
13 RNs, NPs, MFTs

Licensed Alcohol and Drug Abuse Counselor FTEs* per 100,000 population by county *underestimate due to response rate of 81.8%



2015 Licensed Alcohol and Drug Abuse Counselors

Home Health & Hospice Agencies (2017)



Long-term Care Facilities (preliminary data)

County	Independent Living	Assisted Living	Residential Care Home **	Nursing Home **		
Addison	?	-	?	1		
Bennington	?	-	?	4		
Caledonia	?	-	?	2		
Chittenden	?	6	?	6		
Essex	?	-	?	0		
Franklin	?	-	?	3		
Grand Isle	?	-	?	0		
Lamoille	?	-	?	1		
Orange	?	-	?	1		
Orleans	?	-	?	6		
Rutland	?	1	?	3		
Washington	?	-	?	4		
Windham	?	2	?	3		
Windsor	?	3	?	5-6		
Total	??	13	49-118	39-40		

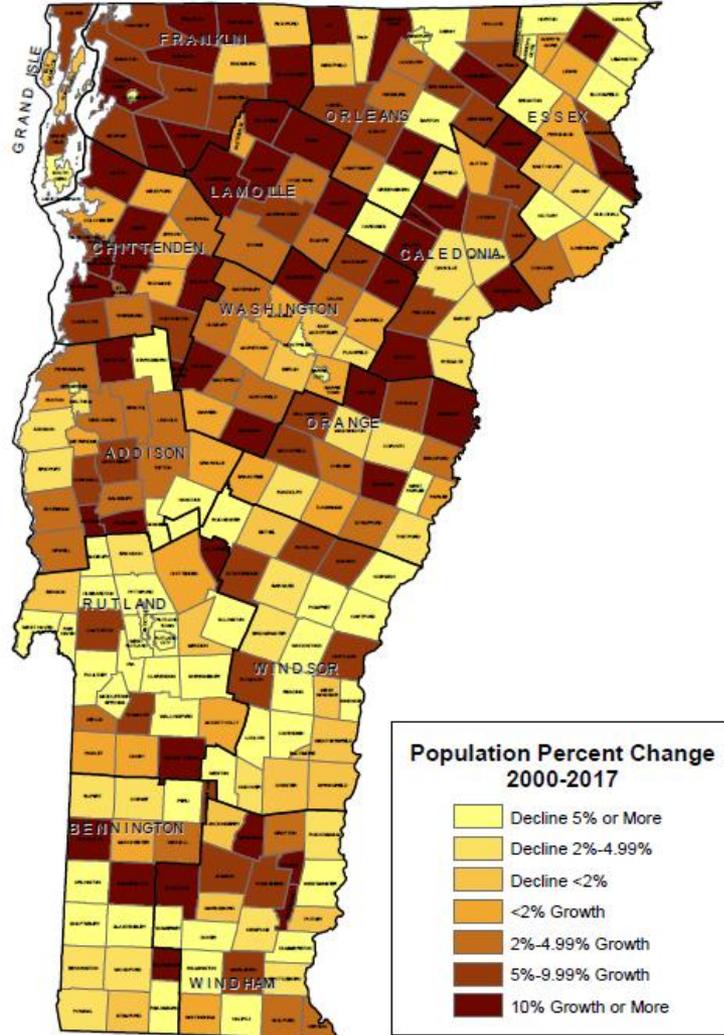
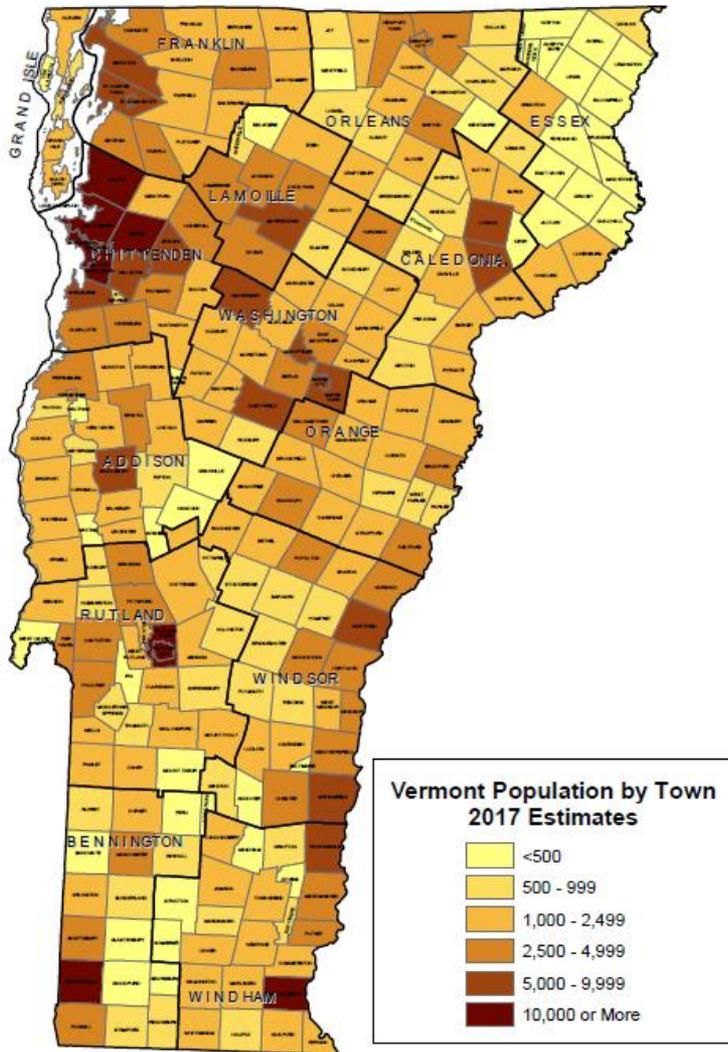
Demographics and the Social Vulnerability Index

Contact:

Daniel Jarvis, PhD, VDH GIS Manager,

Maria Tonallato, VDH GIS Intern

Population & % Change by town

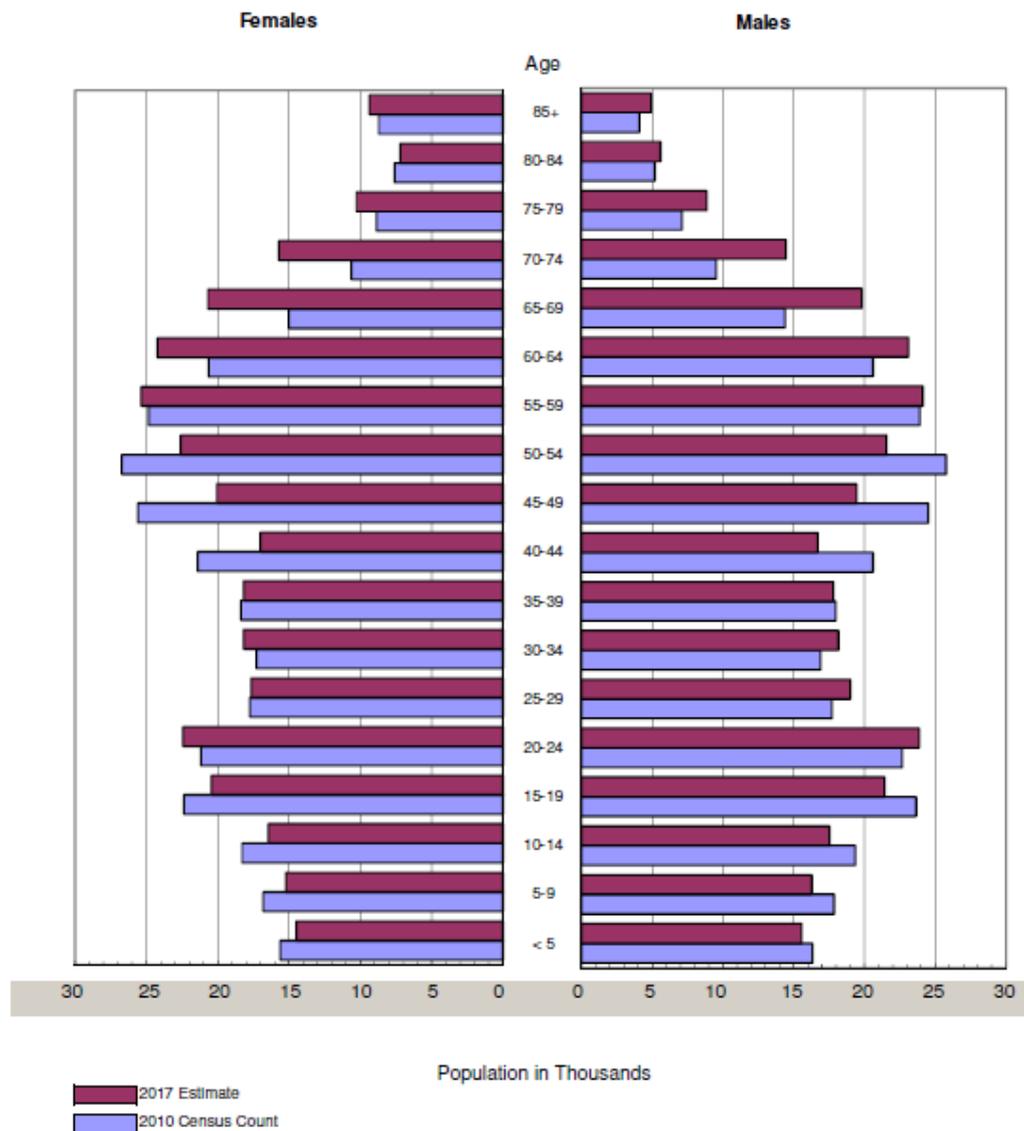


Vermont's Aging Population

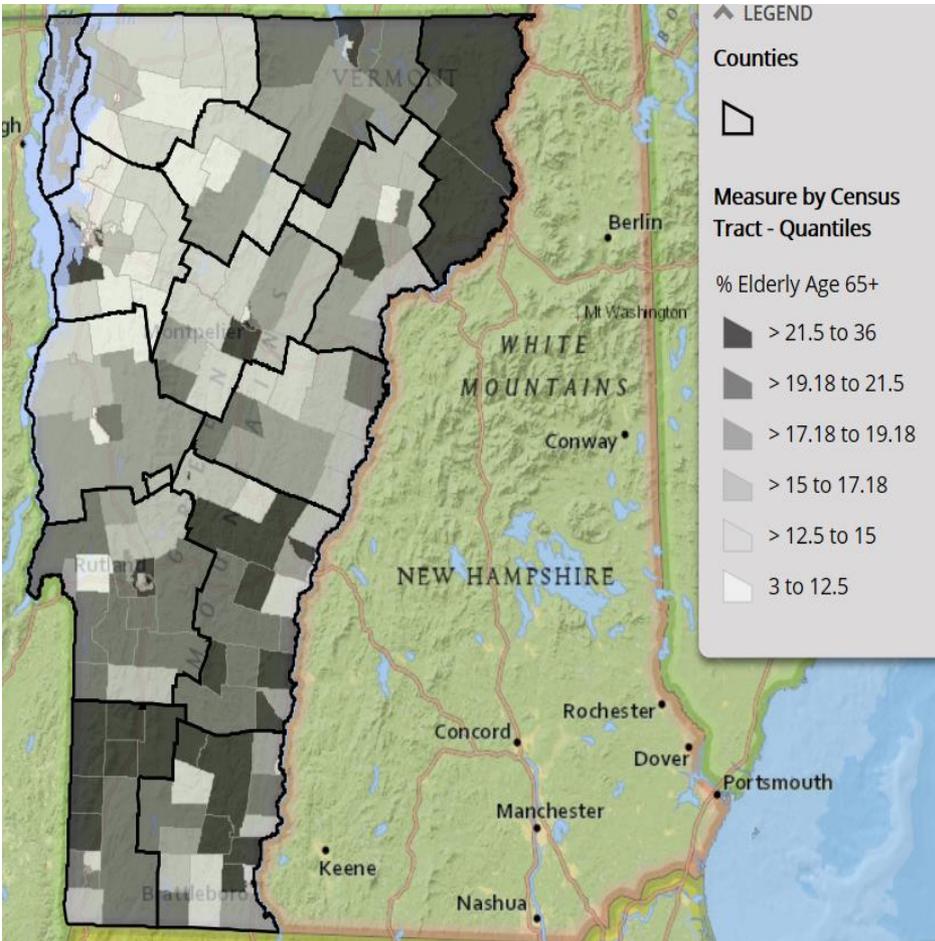
Ages	Total		
	Census 2010	Estimates 2016	Estimates 2017
<18	129,233	118,528	116,825
18-64	405,430	393,134	389,963
65+	91,078	112,932	116,869
Total	625,741	624,594	623,657

	Males			Females		
	Census 2010	Estimates 2016	Estimates 2017	Census 2010	Estimates 2016	Estimates 2017
<18	66,348	61,178	60,342	62,885	57,350	56,483
18-64	201,544	195,706	194,250	203,886	197,428	195,713
65+	40,314	51,582	53,664	50,764	61,350	63,205
Total	308,206	308,466	308,256	317,535	316,128	315,401

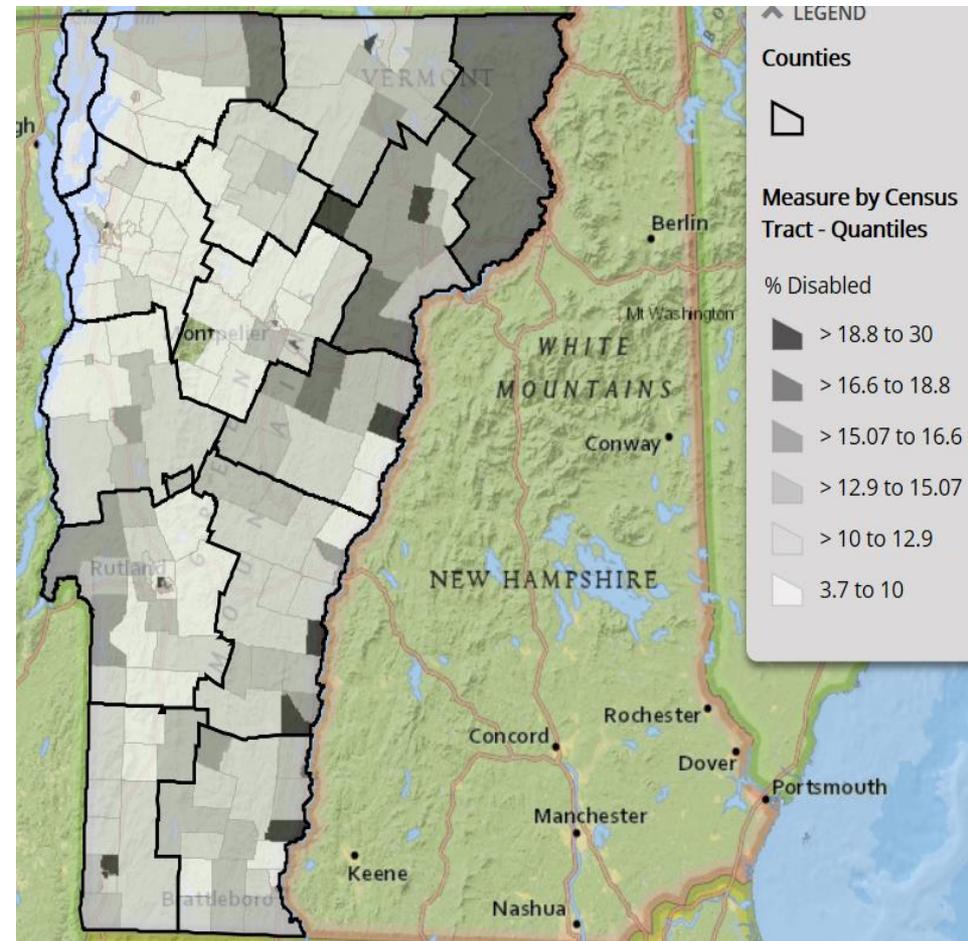
Figure 2. Population Age-Sex Distribution of Vermont, 2010, 2017.



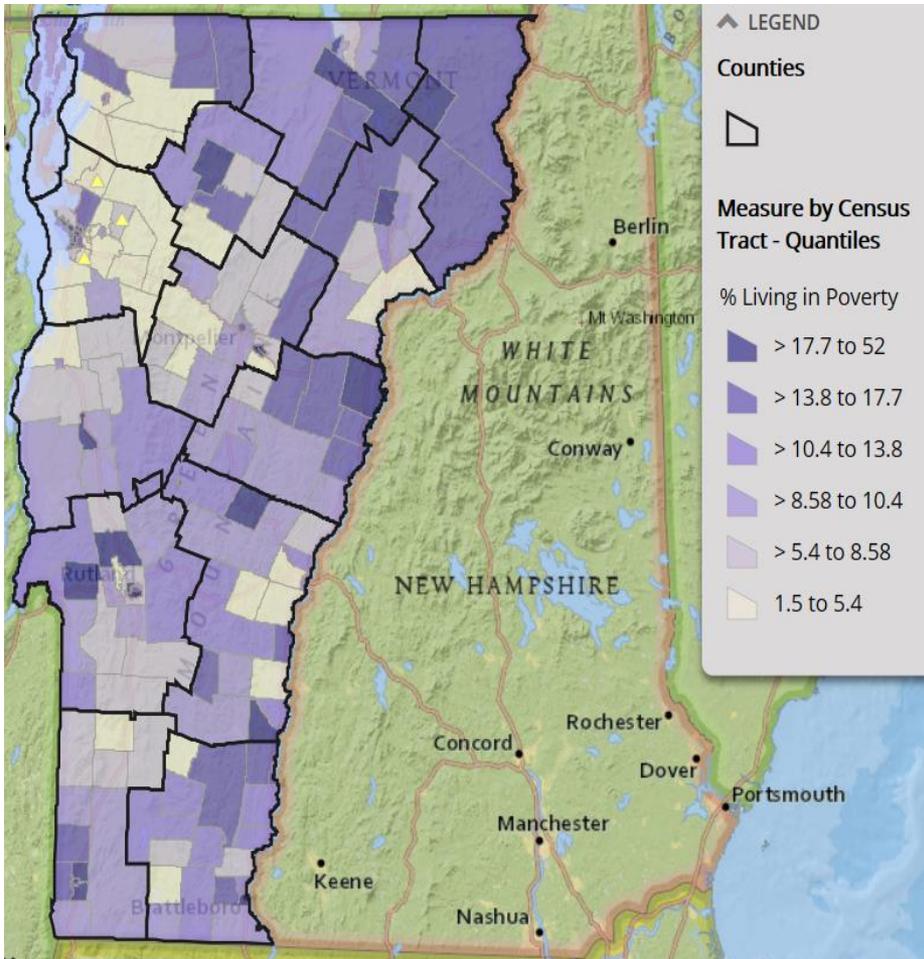
Older Vermonters



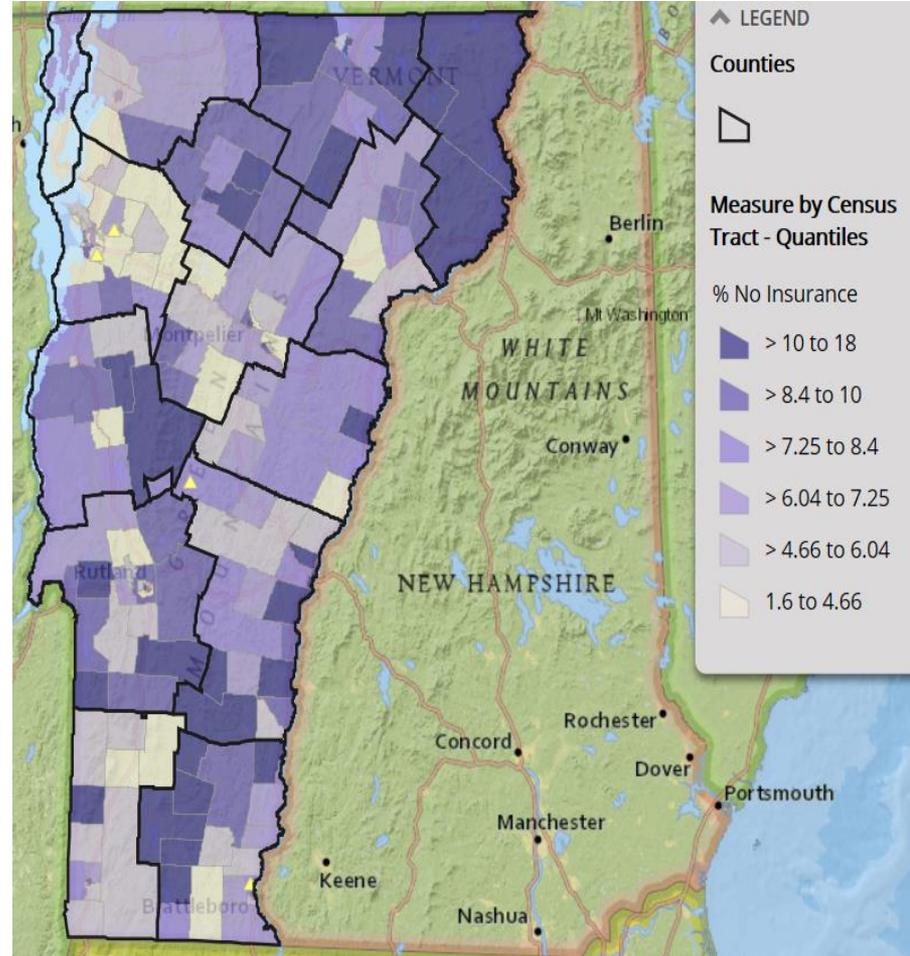
Vermonters with Disabilities



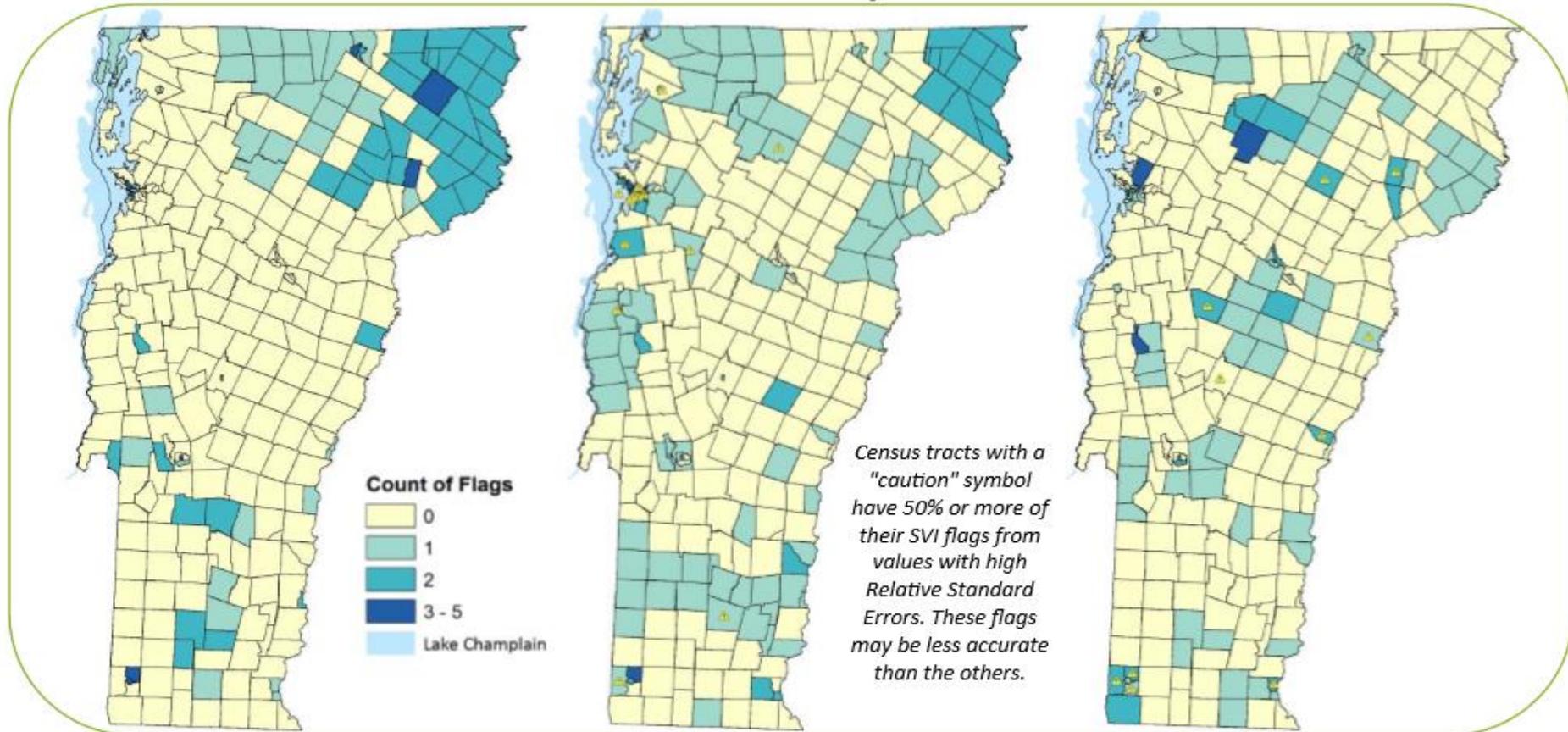
Living in Poverty



No Health Insurance



Social Vulnerability Themes



Socioeconomic Vulnerability Measures:

1. **Poverty** - population living below Federal poverty level
2. **Unemployment** - age 16 and over seeking work
3. **Per capita income** - (2013 inflation-adjusted \$)
4. **Education** - age 25+ without a high school diploma
5. **Health insurance** - age less than 65 without insurance

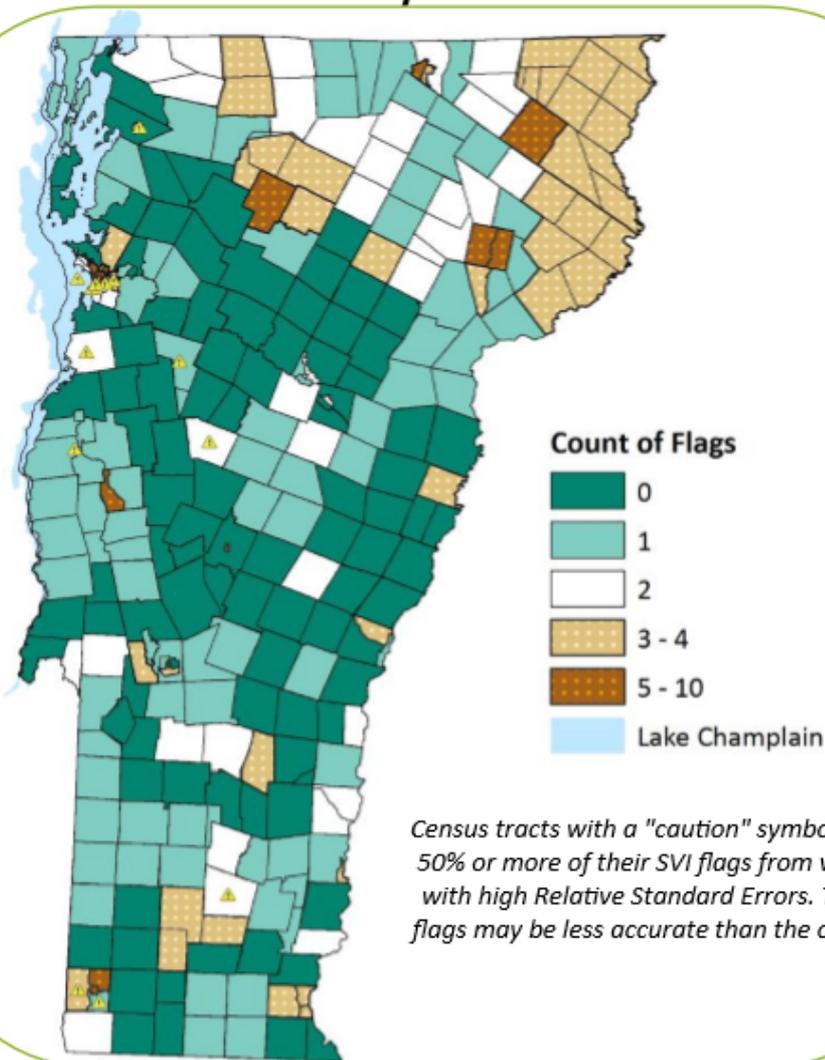
Demographic Vulnerability Measures:

6. **Children** - population age less than 18
7. **Elderly** - population age 65 and over
8. **Disability** - age 5 or more with a disability
9. **Single parent** - percent of households with children
10. **Minority** - Hispanic or non-white race
11. **Limited English** - age 5 and over who speak English less than "Well"

Housing/Transportation Vulnerability Measures:

12. **Large apt. bldgs.** - 10 or more housing units per building
13. **Mobile homes** - percent of housing units
14. **Crowding** - housing units with more than one person per room
15. **No vehicle** - households with no vehicle available
16. **Group quarters** - population living in group quarters

Vermont Social Vulnerability Index



What is the Social Vulnerability Index?

The Vermont Social Vulnerability Index (SVI) is a planning tool to evaluate the relative vulnerability of populations in different parts of the state. It can be consulted in the event of an emergency, either natural or man-made, to identify populations that may need more assistance.

This SVI draws together 16 different measures of vulnerability in three different themes: socioeconomic vulnerability, demographic vulnerability, and housing/transportation vulnerability. For every measure, census tracts above the 90th percentile, or the most vulnerable 10%, are assigned a flag. The overall vulnerability index is created by counting the total number of flags in each census tract.

Limitations:

It is important to remember that this Social Vulnerability Index is just a first step in screening for populations that may be more or less vulnerable. Depending on the situation, different measures could be more or less important and should be looked at more closely. Lastly, local information might be more accurate than these estimates and should always be considered if it is available.

Data Source:

American Community Survey, United States Census Bureau (2015, 5-year Estimates)

Questions about the Social Vulnerability Index?

Contact: AHS.VDHGIS@Vermont.gov

Aging in VT – Current & Projected

Vermont Population Projections by Age and County, 2020, 2030 - Scenario A (Healthier national economy = more in-migration to VT.)

Ages	2010 Census	2020	%change from 2010	2030	%change from 2010
Vermont Total					
50-54	52,493	42,566	-18.9%	36,466	-30.5%
55-59	48,739	50,796	4.2%	37,839	-22.4%
60-64	41,234	53,183	29.0%	43,349	5.1%
65-69	29,390	47,672	62.2%	50,168	70.7%
70-74	20,148	38,677	92.0%	50,579	151.0%
75-79	15,960	24,908	56.1%	40,910	156.3%
80-84	12,783	14,802	15.8%	28,701	124.5%
85+	12,797	16,157	26.3%	23,707	85.3%
Total	625,741	653,575	4.4%	670,073	7.1%

Aging in VT – Current & Projected

Vermont Population Projections by Age and County, 2020, 2030 - Scenario B

(Less healthy national economy = **less** in-migration to VT.)

Ages	2010 Census	2020	%change from 2010	2030	%change from 2010
Vermont Total					
50-54	52,493	42,060	-19.9%	35,650	-32.1%
55-59	48,739	48,945	0.4%	36,174	-25.8%
60-64	41,234	49,902	21.0%	40,192	-2.5%
65-69	29,390	44,530	51.5%	45,157	53.6%
70-74	20,148	34,891	73.2%	42,820	112.5%
75-79	15,960	22,725	42.4%	34,869	118.5%
80-84	12,783	13,503	5.6%	23,623	84.8%
85+	12,797	15,250	19.2%	20,527	60.4%
Total	625,741	628,688	0.5%	620,480	-0.8%

Questions & Priorities?

Contact:

- John Olson, M.Ed.
- Chief, State Office of Rural Health
- VT Dept. of Health
- John.olson@Vermont.gov
- (802) 951-1259