



Medication Assisted Treatment in Vermont Hubs and Spokes Quarterly Report

3rd Quarter 2020

December 2020

Medication Assisted Treatment in Vermont: Hub & Spoke System of Care

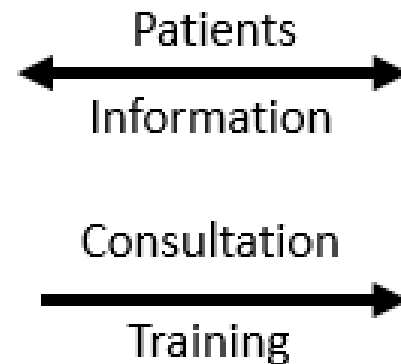
Hub and Spoke is Vermont's system of Medication Assisted Treatment (MAT), supporting people in recovery from opioid use disorder. Federal regulations designate two settings where MAT can take place: Opioid Treatment Programs (OTPs) and Office Based Opioid Treatment (OBOT) settings. Regional Hubs (OTPs) offer daily support for patients with complex addictions. At Spokes (OBOTs), doctors, nurses, and counselors offer ongoing opioid use disorder treatment fully integrated with general healthcare and wellness services. This framework efficiently deploys opioid use disorder expertise and helps expand access to opioid use disorder treatment for Vermonters.

Medication Assisted Treatment in Vermont: Hub & Spoke System of Care

Hubs



High intensity MAT
Methadone, buprenorphine, naltrexone
Regional locations
All staff specialize in addictions treatment



Spokes



Maintenance MAT
Buprenorphine, naltrexone
Community locations
Lead provider + nurse and LADC/MA counselor

Data Sources and limitations:

Spoke Data:

Spokes are office-based opioid treatment providers (OBOT) that prescribe medication to treat opioid use disorders. Prescriptions are captured in the Vermont Prescription Monitoring System (VPMS) which is a statewide electronic database of controlled substance prescriptions dispensed from Vermont-licensed pharmacies. It is a clinical tool to promote the appropriate use of controlled substances for legitimate medical purposes, while deterring the misuse, abuse, and diversion of controlled substances. It also serves as a surveillance tool that is used to monitor statewide trends in the prescribing, dispensing, and use of controlled substances.

Spoke data is based on receipt of at least one prescription for buprenorphine or a related medication used to treat opioid use disorder. VPMS contains information for all payers including Medicaid, Medicare, private insurance, etc.

A limitation of this data source is that some people may fill prescriptions at a pharmacy that is not licensed by the state of Vermont and so excluded from the calculations. This is more common in counties along the eastern border of Vermont. It also doesn't capture injectable naltrexone because it is not dispensed by pharmacies. This would also not include the use of injectable vivitrol used for treating OUD.

Hubs:

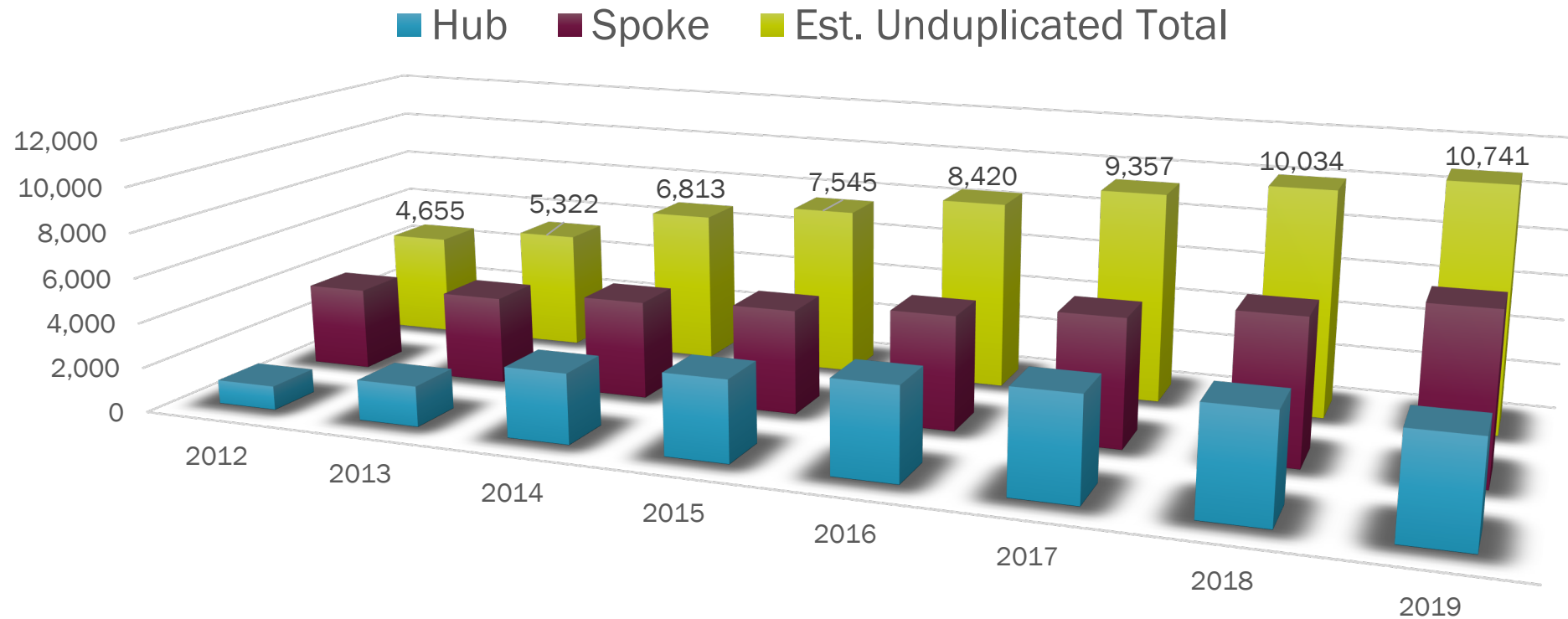
Hubs are opioid treatment providers (OTPs) that dispense methadone, buprenorphine, and naltrexone to clients in a specialty treatment facility. The source of hub data is the Substance Abuse Treatment Information System (SATIS) which captures treatment data for providers with agreements with the Vermont Department of Health Division of Drug and Alcohol Abuse. It contains information for all payers.

SATIS uses a unique identifier for each client and does not contain full identifying information. Providers are often late in providing data which results in estimations and in changes to historic data.

Duplicative data:

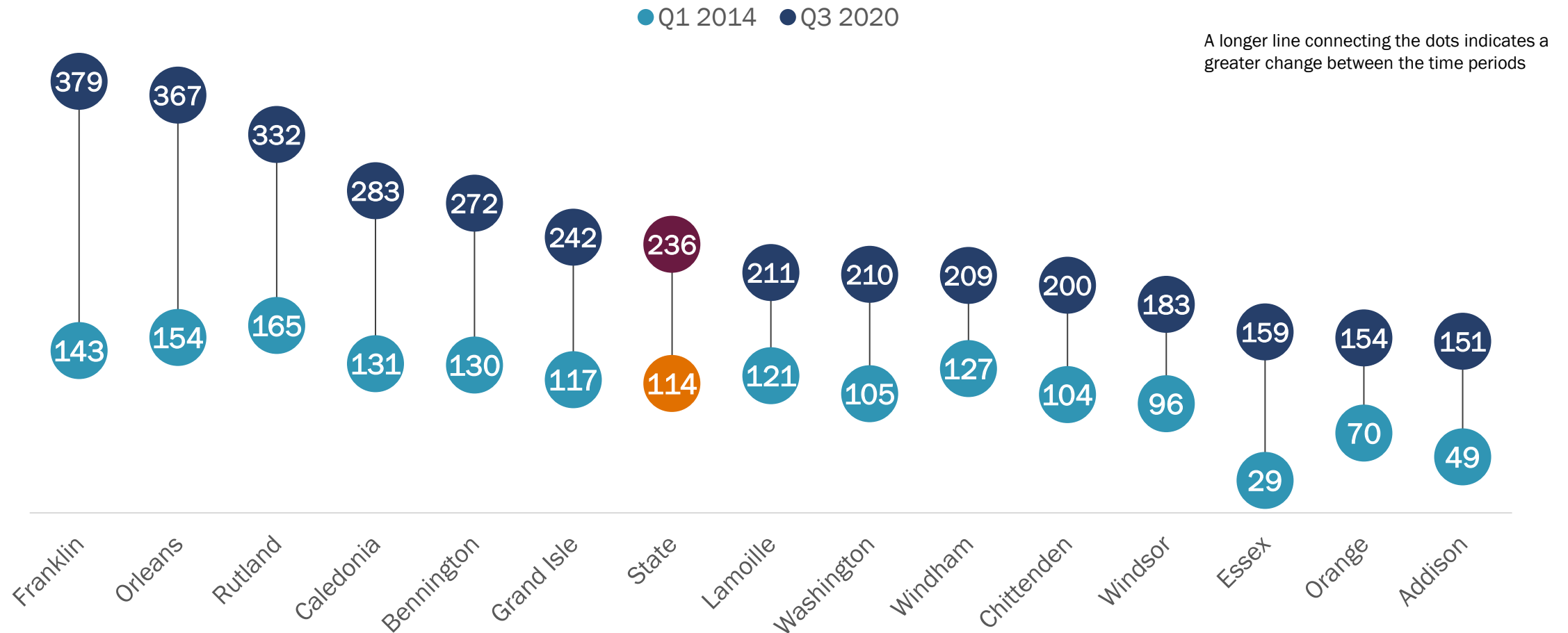
Because different identifiers are used for hub data and spoke data, deduplication of annual data is estimated based on Medicaid enrollees who receive both hub and spoke services in a year. The quarterly data are not deduplicated.

People Age 18-64 receiving medication assisted treatment for opioid use disorder by year



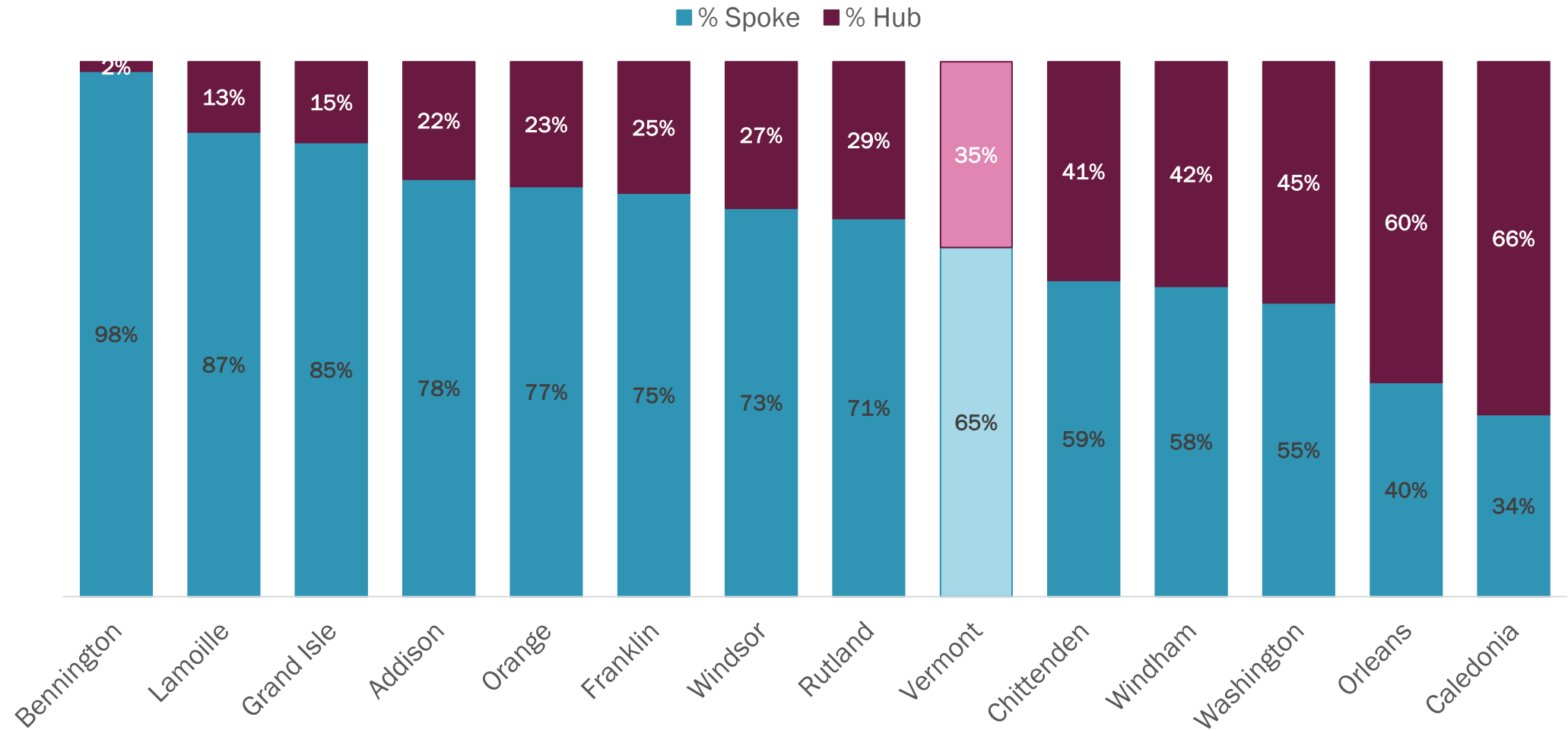
	2012	2013	2014	2015	2016	2017	2018	2019
■ Hub	1,061	1,795	3,090	3,571	4,070	4,471	4,616	4,420
■ Spoke	3,706	3,928	4,368	4,627	5,048	5,617	6,321	7,256
■ Est. Unduplicated Total	4,655	5,322	6,813	7,545	8,420	9,357	10,034	10,741

Change in MAT for OUD per 10,000 people age 18-64 by county of residence between Q1 2014 to the most recent quarter

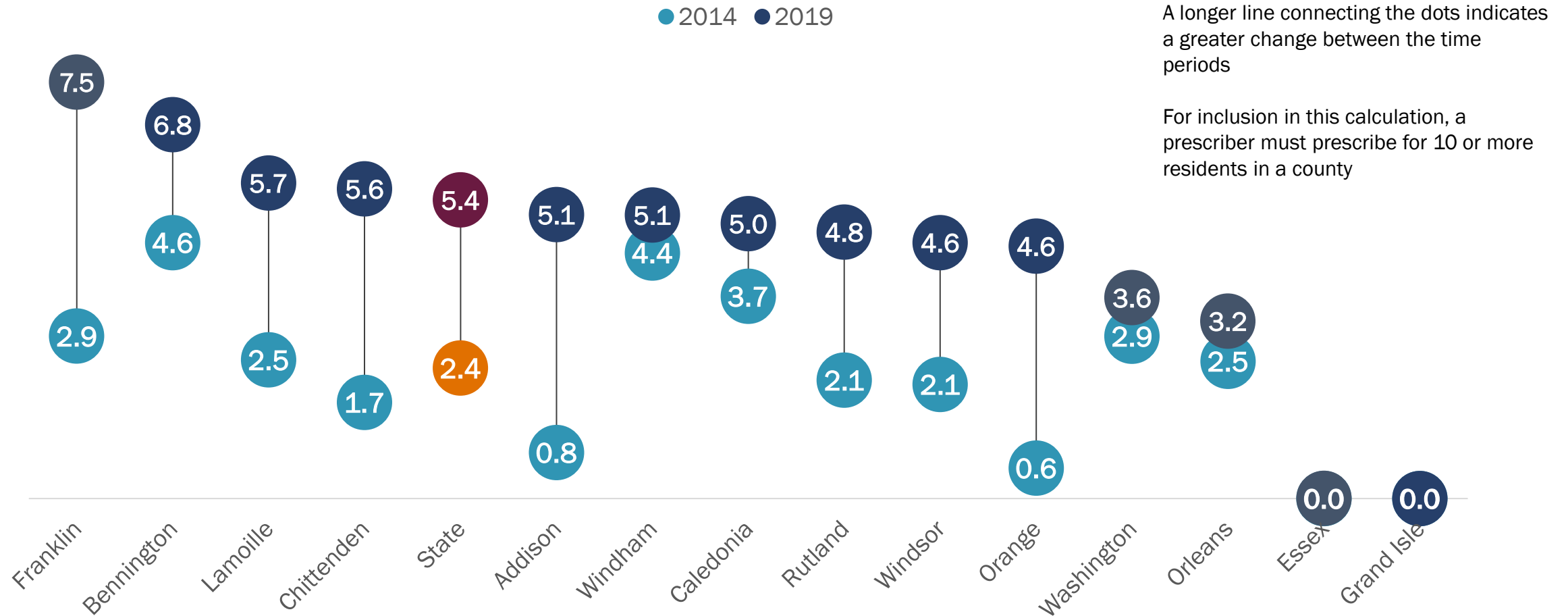


Percent of people age 18-64 receiving MAT for OUD in hubs vs spokes by county of residence for Q3 2020

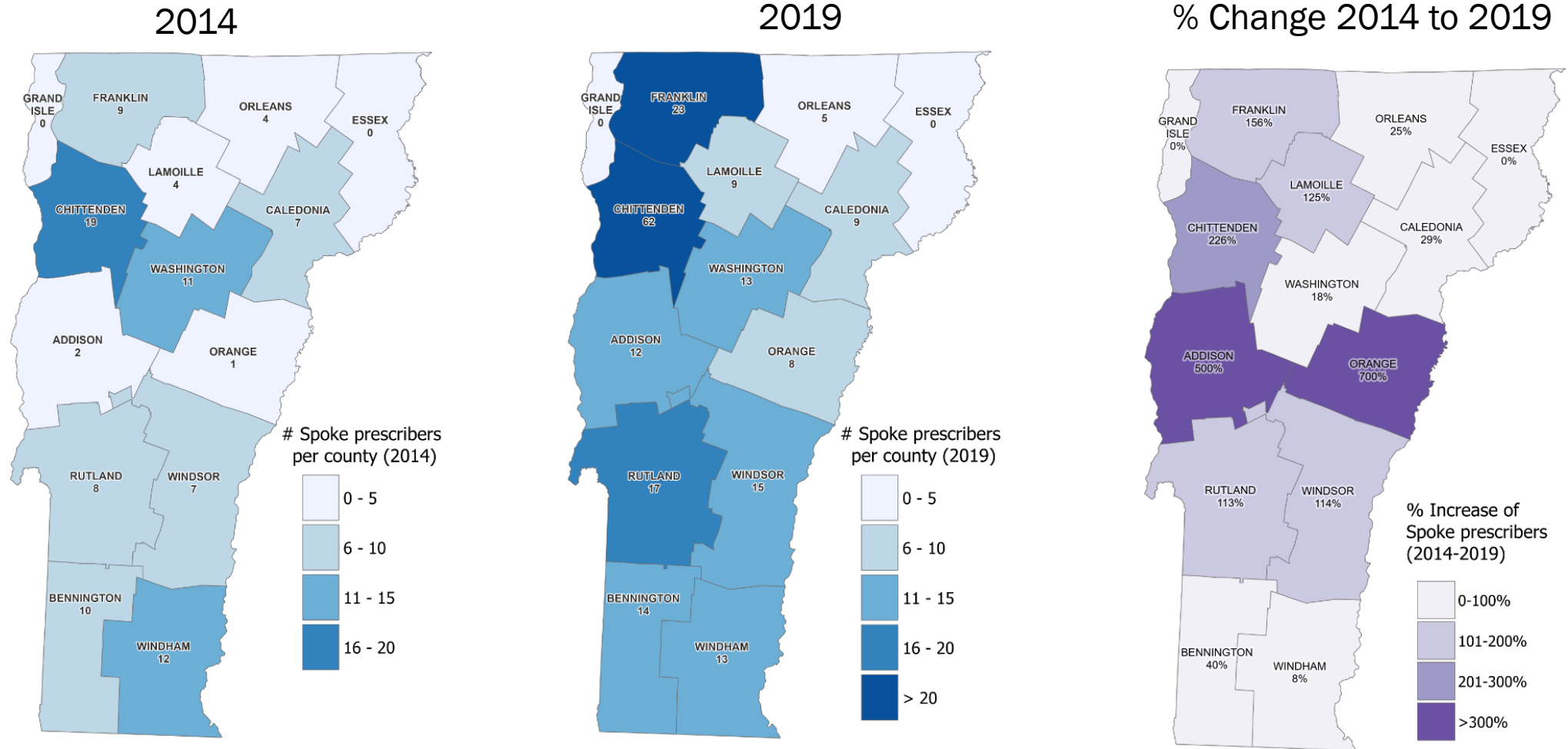
Hub and Spoke service capacity varies by county due to differences in the types of MAT providers in that and nearby counties.



Change in the number of spoke prescribers per 10,000 people age 18-64 by County of residence

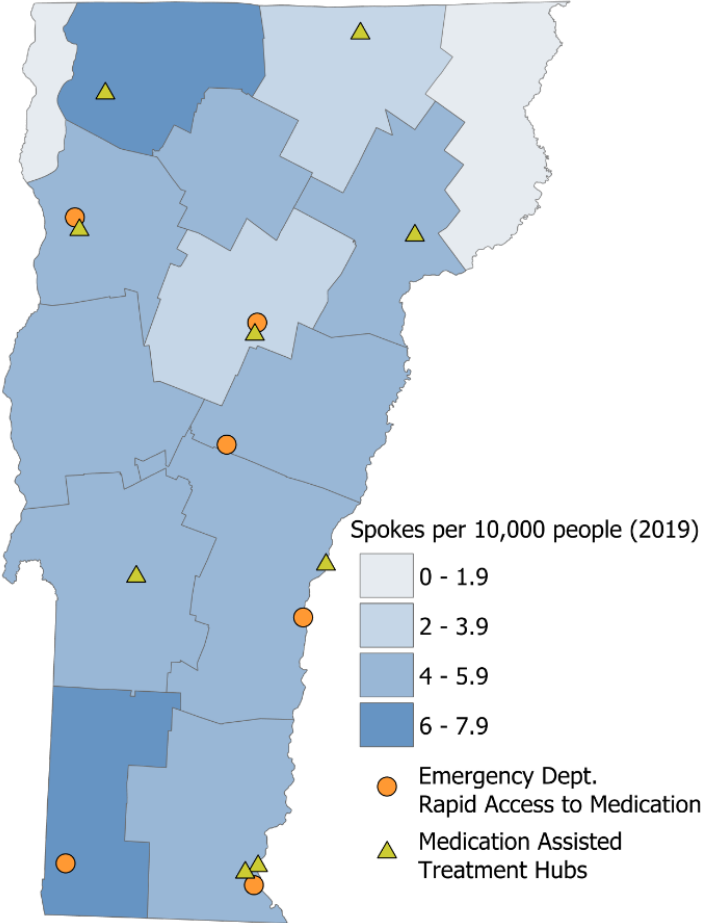


The number of spoke prescribers per county increased significantly in some counties between 2014 and 2019

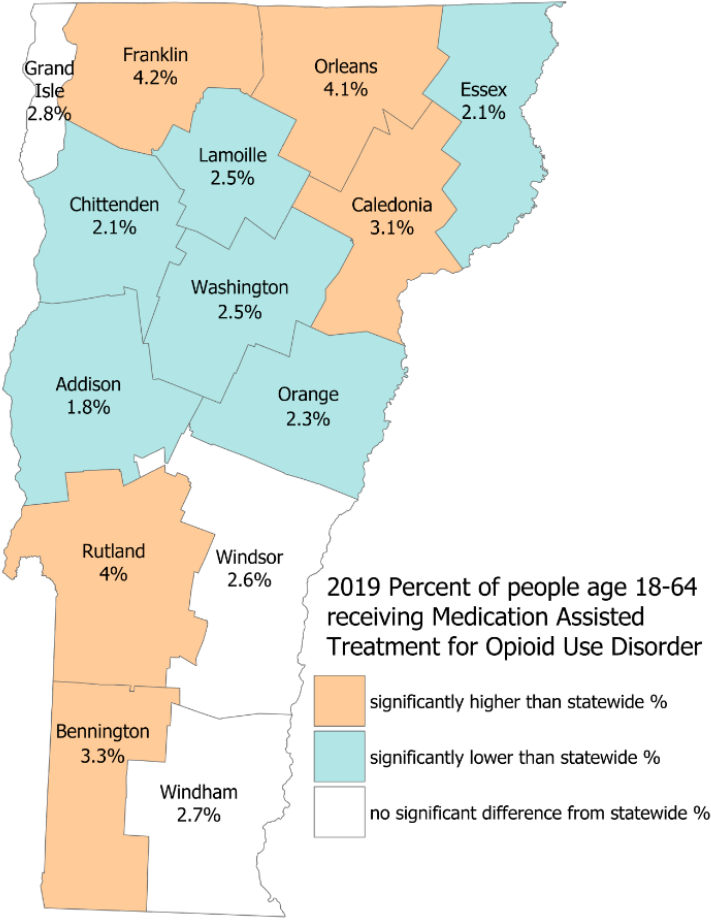


Access to care through hubs, spoke prescribers and Rapid Access to MAT in Emergency Departments varies by county

Availability of Services - 2019



% of Individuals Age 18-64 Receiving MAT for OUD in 2019



We are Seeking Feedback on Report

Please complete the survey on the usefulness of the **Quarter 3** Report. Feedback is encouraged and will inform future quarterly reports.

<https://www.surveymoz.com/s3/5948689/MAT-Quarterly-Report-Usefulness-Survey>

Contact Information

- ❑ Data questions can be directed to Anne.VanDonsel@vermont.gov
- ❑ Programmatic questions can be directed Anthony.Folland@vermont.gov or Beth.Tanzman@vermont.gov

Appendix 1– People age 18-64 treated in Hubs by County of Residence and Quarter

	2018	2019				2020		
County	2018-Q4	2019-Q1	2019-Q2	2019-Q3	2019-Q4	2020-Q1	2020-Q2	2020-Q3
Addison	66	66	70	71	72	74	75	77
Bennington	38	30	26	20	22	18	14	10
Caledonia	303	295	308	323	323	327	328	329
Chittenden	896	889	881	886	889	892	895	898
Essex	41	41	47	44	41	42	41	41
Franklin	310	331	330	329	297	279	277	283
Grand Isle	18	21	26	30	16	17	17	16
Lamoille	62	60	62	64	54	54	50	44
Orange	98	94	99	93	89	88	66	62
Orleans	395	406	426	432	389	364	353	342
Rutland	365	369	368	357	348	336	332	338
Washington	380	373	375	375	351	346	335	339
Windham	264	262	249	200	234	229	222	216
Windsor	227	222	224	161	152	156	158	160
Vermont	3,464	3,459	3,490	3,385	3,277	3,222	3,163	3,154

Appendix 2– People age 18-64 treated in Spokes by County of Residence and Quarter

	2018	2019				2020		
County	2018-Q4	2019-Q1	2019-Q2	2019-Q3	2019-Q4	2020-Q1	2020-Q2	2020-Q3
Addison	232	241	251	252	264	277	274	272
Bennington	428	471	507	537	541	561	553	550
Caledonia	137	142	142	141	144	159	166	170
Chittenden	1,027	1,061	1,129	1,167	1,215	1,264	1,274	1,298
Essex	11	13	12	14	12	13	11	15
Franklin	748	752	785	794	798	831	869	867
Grand Isle	73	70	77	75	81	82	86	90
Lamoille	265	254	264	261	269	282	286	288
Orange	134	133	163	175	187	200	174	204
Orleans	121	111	112	131	184	214	223	228
Rutland	716	704	738	758	785	801	825	817
Washington	367	370	382	393	396	414	416	413
Windham	246	275	291	286	291	289	296	299
Windsor	369	381	413	419	409	408	418	425
Vermont	4,873	4,977	5,267	5,403	5,577	5,795	5,870	5,934

Appendix 3– People age 18-64 treated in Hubs and Spokes by County of Residence and Quarter

	2018	2019				2020		
County	2018-Q4	2019-Q1	2019-Q2	2019-Q3	2019-Q4	2020-Q1	2020-Q2	2020-Q3
Addison	298	307	321	323	336	351	349	349
Bennington	466	501	533	557	563	579	566	560
Caledonia	440	437	450	464	467	486	494	499
Chittenden	1,923	1,950	2,010	2,053	2,104	2,155	2,169	2,196
Essex	52	54	59	58	53	55	52	55
Franklin	1,058	1,083	1,115	1,124	1,095	1,110	1,146	1,150
Grand Isle	91	91	103	105	97	98	103	106
Lamoille	327	314	325	325	323	337	335	332
Orange	232	226	263	268	276	288	241	266
Orleans	516	517	538	563	573	579	576	570
Rutland	1,080	1,073	1,106	1,115	1,133	1,137	1,157	1,155
Washington	746	744	757	768	747	760	751	751
Windham	510	536	540	485	526	518	518	515
Windsor	597	603	637	580	561	564	575	585
Vermont	8,337	8,435	8,757	8,788	8,854	9,017	9,034	9,088

Appendix 4– MAT for OUD per 10,000 people age 18-64 by county of residence and quarter

	2018	2019				2020		
County	2018-Q4	2019-Q1	2019-Q2	2019-Q3	2019-Q4	2020-Q1	2020-Q2	2020-Q3
Addison	127	133	139	140	145	152	151	151
Bennington	225	243	259	271	274	281	275	272
Caledonia	243	248	255	263	265	276	280	283
Chittenden	174	178	183	187	192	196	198	200
Essex	147	156	170	166	153	159	151	159
Franklin	346	357	368	371	361	366	378	379
Grand Isle	211	208	235	239	221	225	236	242
Lamoille	207	200	207	207	206	214	213	211
Orange	132	131	152	155	160	166	139	154
Orleans	331	333	347	363	369	373	371	367
Rutland	306	309	318	321	326	327	333	332
Washington	208	207	211	214	208	212	210	210
Windham	201	217	219	197	213	210	210	209
Windsor	184	189	200	182	176	177	180	183
Vermont	214	219	227	228	230	234	235	236