ANNUAL REPORT ON ELECTROCONVULSIVE THERAPY (ECT) IN VERMONT July 1, 2021-June 30, 2022 (Fiscal Year 2022)

		<u> </u>			<u> </u>				
Hospital	Total	0-17	18-21	22-34	35-49	50-64	65+	F	М
University of Vermont Medical Center	83	0	1	10	25	24	23	46	37
Burlington		0.0%	1.2%	12.0%	30.1%	28.9%	27.7%	55.4%	44.6%
Veterans Administration	13	0	0	1	5	4	3	4	9
White River Junction		0.0%	0.0%	7.7%	38.5%	30.8%	23.1%	30.8%	69.2%
Central Vermont Medical Center	8	0	0	0	3	1	4	6	2
Berlin		0.0%	0.0%	0.0%	37.5%	12.5%	50.0%	75.0%	25.0%
	104	0	1	11	33	29	30	56	48
All hospitals		0.0%	1.0%	10.6%	31.7%	27.9%	28.8%	53.8%	46.2%

Number and Percentage of Individuals Receiving ECT by Age and Sex

Number and Percentage of ECT Treatments, by Location and Type

	Number of	Treatments			Inpat	ient					Outpati	ent		
Hospital	Total	Number of Tx per Person		Bitemporal	Bilateral	Bifrontal	LART	Other	Unilateral	Bitemporal	Bilateral	Bifrontal	LART	Other
University of Vermont Medical Center	949	11.4	204	17	0	0	0	0	676	39	0	13	0	0
Burlington			21.5%	1.8%	0.0%	0.0%	0.0%	0.0%	71.2%	4.1%	0.0%	1.4%	0.0%	0.0%
Veterans Administration	80	6.2	23	27	0	0	0	0	18	12	0	0	0	0
White River Junction			28.8%	33.8%	0.0%	0.0%	0.0%	0.0%	22.5%	15.0%	0.0%	0.0%	0.0%	0.0%
Central Vermont Medical Center	111	13.9	0	0	0	0	0	0	111	0	0	0	0	0
Berlin			0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
All beenitele	1,140	11.0	227	44	0	0	0	0	805	51	0	13	0	0
All hospitals			19.9%	3.9%	0.0%	0.0%	0.0%	0.0%	70.6%	4.5%	0.0%	1.1%	0.0%	0.0%

Number and Percentage of Individuals Receiving Treatments by Location and Type of Treatment

Hospital	Total	Inpat.	Outpat.	Both	Unilateral	Bitemporal	Bilateral	Bifrontal	LART	Other Only	Combin-
nospital	Total	Only	Only	Both	Only	Only	Only	Only	Only	other only	ation
University of Vermont Medical Center	83	12	54	17	72	3	0	1	0	0	7
Burlington		14.5%	65.1%	20.5%	86.7%	3.6%	0.0%	1.2%	0.0%	0.0%	8.4%
Veterans Administration	13	9	4	0	6	5	0	0	0	0	2
White River Junction		69.2%	30.8%	0.0%	46.2%	38.5%	0.0%	0.0%	0.0%	0.0%	15.4%
Central Vermont Medical Center	8	0	8	0	8	0	0	0	0	0	0
Berlin		0.0%	100.0%	0.0%	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
All hospitals	104	21	66	17	86	8	0	1	0	0	9
Aii nospitais		20.2%	63.5%	16.3%	82.7%	7.7%	0.0%	1.0%	0.0%	0.0%	8.7%

Individuals with Some Degree of Memory Impairment By Number of Treatments and Treatment Type

		- 1	11411180	l ol lload	nonto un		one i jpo					
	Memory		Sum o	of Treatments	in Year			Treatm	ent Type Sta	atus		
Hospital	Impairment During FY	Total	1-12	13-29	30+	Unilateral Only	Bitemporal Only	Bilateral Only	Bifrontal Only	LART Only	Other Only	Combin- ation
	No	22	19	3	0	19	3	0	0	0	0	0
All hospitals	Yes	64	42	19	3	53	2	0	1	0	0	8
	Unreported/	18										

Based on reports from hospitals to the Vermont Department of Mental Health. The reports contain monthly individual-level summaries for each patient.

A 'No' means no memory impairment recorded after any episode of treatment no matter how many episodes occurred throughout the year for each individual who received ECT Treatment. 'Yes' means at least one recorded memory impairment no matter how many episodes of treatment might have occurred for each individual receiving treatment. For example, if one individual received 12 treatments and experienced memory impairment after one treatment but not after the other 11 treatments, this individual would still be recorded as having some degree of memory impairment for the year.

						GIS Scores	3			
		Total Episodes Assessed	Very much improved	Much improved	Minimally improved	No change	Minimally worse	Much worse	Very much worse	Not Assessed
			- 1 -	- 2 -	- 3 -	- 4 -	- 5 -	- 6 -	- 7 -	- 0 -
	University of Vermont Medical Center	275	153	92	23	7	0	0	0	0
a			56%	33%	8%	3%	0%	0%	0%	0%
Hospital	Veterans Administration	5	3	2	0	0	0	0	0	20
우 우			60%	40%	0%	0%	0%	0%	0%	80%
I	Central Vermont	0	0	0	0	0	0	0	0	111
	Medical Center		NA	NA	NA	NA	NA	NA	NA	100%
_	Male	105	66	23	10	6	0	0	0	17
der	maio		63%	22%	10%	6%	0%	0%	0%	14%
Gender	Female	175	90	71	13	1	0	0	0	114
G			51%	41%	7%	1%	0%	0%	0%	39%
	0-17	l o	0	0	0	0	0	0	0	0
	0 II		NĂ	NA	NA	NA	NA	NA	NA	NA
	18-21	1	1	0	0	0	0	0	0	0
			100%	0%	0%	0%	0%	0%	0%	0%
	22-34	25	10	12	2	1	0	0	0	1
			40%	48%	8%	4%	0%	0%	0%	4%
Age	35-49	102	46	41	12	3	0	0	0	29
¥			45%	40%	12%	3%	0%	0%	0%	22%
	50-64	92	57	30	3	2	0	0	0	57
			62%	33%	3%	2%	0%	0%	0%	38%
	65+	60	42	11	6	1	0	0	0	44
			70%	18%	10%	2%	0%	0%	0%	42%
	Unknown	0	0	0	0	0	0	0	0	0
			NA	NA	NA	NA	NA	NA	NA	NA
	Unilateral Only	254	142	85	20	7	0	0	0	125
			56%	33%	8%	3%	0%	0%	0%	33%
	Bitemporal Only	13	5	6	2	0	0	0	0	5
/be			38%	46%	15%	0%	0%	0%	0%	28%
Ë	Bilateral Only	0	0	0	0	0	0	0	0	0
Treatment Type		_	NA	NA	NA	NA	NA	NA	NA	NA
gt	Bifrontal Only	7	5	2	0	0	0	0	0	0
re	LART Only		71% 0	29% 0	0%	0%	0%	0% 0	0%	0%
-	LART Only	0	NA	NA	0 NA	0 NA	0 NA	NA	0 NA	0 NA
	Other Only	0	0	0	0	0	0	0	0	0
	Outer Offiy		NA	NA	NA	NA	NA	NA	NA	NA
	Combination	6	4	1	1	0	0	0	0	1
			67%	17%	17%	0%	0%	0%	0%	14%
	Total	280	156	94	23	7	0	0	0	131
		2.50	56%	34%	8%	3%	0%	0%	0%	32%
				Improved		No Chang	ē	Worse		
				273		7	•	0		
				98%		3%		0.0%		
				0070		070		0.070		

ANNUAL REPORT ON ELECTROCONVULSIVE THERAPY (ECT) IN VERMONT Number and Percentage of Post-Treatment Episode Global Improvement Scale (GIS) Scores July 1, 2021-June 30, 2022 (Fiscal Year 2022)

Based on reports from hospitals to the Vermont Department of Mental Health. The reports contain monthly individual-level summaries for each patient.

ANNUAL REPORT ON ELECTROCONVULSIVE THERAPY (ECT) IN VERMONT July 1, 2021-June 30, 2022 (Fiscal Year 2022)

	Memory		Sum of	treatments	in Year			Trea	atment Type Sta	atus		
Hospital	Impairment During FY	Total	1-12	13-29	30+	Unilateral Only	Bitemporal Only	Bilateral Only	Bifrontal Only	LART Only	Other Only	Combin- ation
University of Vermont Medical Center	No	17	14	3	0	17	0	0	0	0	0	0
Burlington	Yes	63	41	19	3	53	2	0	1	0	0	7
Veterans Administration	No	5	5	0	0	2	3	0	0	0	0	0
White River Junction	Yes	1	1	0	0	0	0	0	0	0	0	1
Central Vermont Medical Center	No	0	0	0	0	0	0	0	0	0	0	0
Berlin	Yes	0	0	0	0	0	0	0	0	0	0	0
All boonitals	No	22	19	3	0	19	3	0	0	0	0	0
All hospitals	Yes	64	42	19	3	53	2	0	1	0	0	8

Individuals with Some Degree of Memory Impairment By Number of Treatments and Treatment Type

Based on reports from hospitals to the Vermont Department of Mental Health. The reports contain monthly individual-level summaries for each patient.

Note: Central Vermont Medical Center provided no data on Memory Impairment during FY21 or FY22.

A 'No' means no memory impairment recorded after any episode of treatment no matter how many episodes occurred throughout the year for each individual who received ECT Treatment. 'Yes' means at least one recorded memory impairment no matter how many episodes of treatment might have occurred for each individual receiving treatment. For example, if one individual received 12 treatments and experienced memory impairment after one treatment but not after the other 11 treatments, this individual would still be recorded as having some degree of memory impairment for the year.

REPORT ON ELECTROCONVULSIVE THERAPY (ECT) IN VERMONT July 1, 2000-June 30, 2022 (Fiscal Years 2001 - 2022)

															,								
									Numb	er of Ir	ndividu				Г by G	ender							
Hospital												Fisca	al Yea	<u>r (FY)</u>								•	
поэрна		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
University of	Total	33	43	55	66	79	79	91	87	81	84	92	76	88	98	76	69	59	84	104	90	65	83
Vermont Medical Center	Male	11	11	17	20	20	26	33	31	29	23	34	32	33	41	23	27	20	45	47	33	25	37
Burlington	Female	22	32	38	46	59	53	58	56	52	61	58	44	55	57	53	42	39	39	57	57	40	46
Brattleboro	Total	0	8	13	6	10	25	30	35	42	22	11	-	-	-	-	-		-	-	-	-	
Retreat	Male	0	1	2	1	2	7	6	15	13	12	5	-	-	-	-	-	-		-	-	-	
Brattleboro*	Female	0	7	11	5	8	18	24	20	29	10	6	-	-	-	-	-	-	-	-	-	-	
Veterans	Total	13	16	16	23	18	11	-	-	-	-	-	-	14	51	45	44	1	49	45	27	36	13
Administration** White River	Male	12	16	14	21	17	9	-	-	-	-	-	-	12	42	42	41	1	46	37	24	32	9
Junction	Female	1	0	2	2	1	2	-	-	-	-	-	-	2	9	3	3	0	3	8	3	4	4
Springfield	Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	3	-	-	-
Hospital	Male	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	1	-	-	-
Springfield	Female	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Central Vermont	Total	-	-	-	-	-	-	-	6	20	25	17	17	7	2	3	1	1	1	1	6	9	8
Medical Center***	Male	-	-	-	-	-	-	-	2	8	13	6	10	1	0	0	0	0	0	0	2	3	2
Berlin	Female	-	-	-	-	-	-	-	4	12	12	11	7	6	2	3	1	1	1	1	4	6	6
	Total	46	67	84	95	107	115	121	128	143	131	120	93	109	151	124	114	61	134	153	123	110	104
Total	Male	23	28	33	42	39	42	39	48	50	48	45	42	46	83	65	68	21	91	85	59	60	48
	Female	23	39	51	53	68	73	82	80	93	83	75	51	63	68	59	46	40	43	68	64	50	56

								N	umbei	r of Tr	eatme				s Per l	Perso	า						
Hospital													al Year	· · · ·									
		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
University of Vermont Medical	Treatments	500	607	783	1,164	1,179	1,080	1,238	1,281	1,121	1,118	1,226	1,017	1,184	1,510	924	1,183	920	1,619	1,719	1,354	1,024	949
Center Burlington	Treatments / Person	15.2	14.1	14.2	17.6	14.9	13.7	13.6	14.7	13.8	13.3	13.3	13.4	13.5	15.4	12.2	17.1	15.6	19.3	16.5	15.0	15.8	11.4
Brattleboro	Treatments	244	465	538	419	260	465	350	407	510	209	43	-	-	-	-	-	-	-	-	-	-	-
Retreat Brattleboro*	Treatments / Person		58.1	41.4	69.8	26.0	18.6	11.7	11.6	12.1	9.5	3.9	-	-	-	-	-	-	-	-	-	-	-
Veterans	Treatments	88	148	178	302	155	75	0	0	0	0	0	0	46	555	423	441	4	425	397	249	332	80
Administration** White River Junction	Treatments / Person	6.8	9.3	11.1	13.1	8.6	6.8	-	-	-		-	-	3.3	10.9	9.4	10.0	4.0	8.7	8.8	9.2	9.2	6.2
Springfield	Treatments	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-
Hospital Springfield	Treatments/ Person	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-	-	-
Central Vermont	Treatments	-	-	-	-	-	-	-	31	214	266	178	124	71	5	18	5	7	7	17	43	111	111
Medical Center*** Berlin	Treatments / Person	-	-	-	-	-	-	-	5.2	10.7	10.6	10.5	7.3	10.1	2.5	6.0	5.0	7.0	7.0	17.0	7.2	12.3	13.9
	Treatments	832	1,220	1,499	1,885	1,594	1,620	1,588	1,719	1,845	1,593	1,447	1,141	1,301	2,070	1,365	1,629	931	2,051	2,141	1,646	1,467	1,140
Total	Treatments / Person	18.1	18.2	17.8	19.8	14.9	14.1	13.1	13.4	12.9	12.2	12.1	12.3	11.9	13.7	11.0	14.3	15.3	15.3	14.0	13.4	13.3	11.0

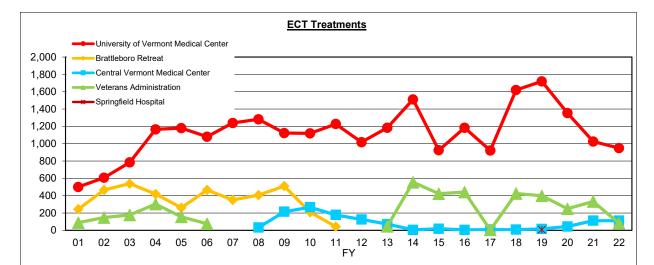
Based on reports from hospitals to the Vermont Department of Mental Health. The reports contain monthly individual-level summaries for each patient.

*Brattleboro Retreat discontinued ECT January 2010. FY2011 data represents a partial year of information.

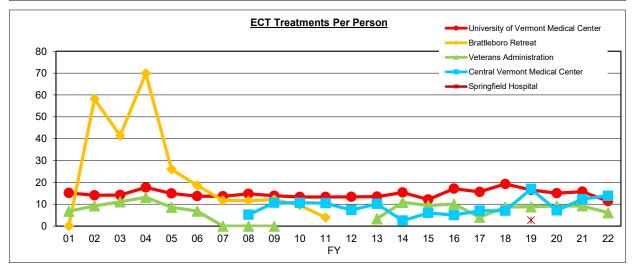
**The Veterans Administration stopped providing data after FY2009 and restarted submitting data in June 2013.

***Central Vermont Medical Center did not start providing ECT until April 2008. FY2008 data represents a partial year of information.

REPORT ON ELECTROCONVULSIVE THERAPY (ECT) IN VERMONT July 1, 2000-June 30, 2022 (Fiscal Years 2001 - 2022)



Number of Treatments and Treatments per Person



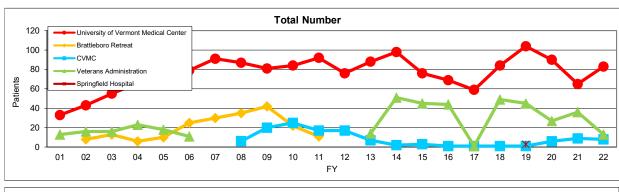
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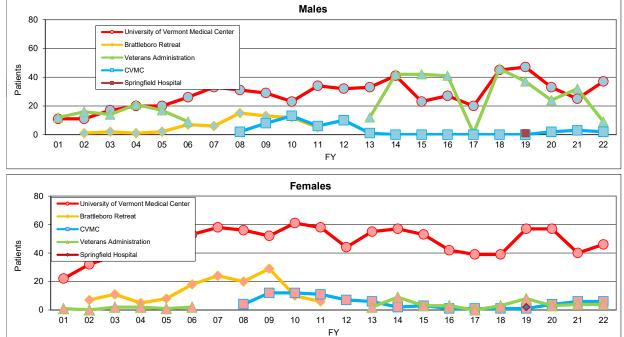
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REPORT ON ELECTROCONVULSIVE THERAPY (ECT) IN VERMONT July 1, 2000-June 30, 2022 (Fiscal Years 2001 - 2022)



Number of Individuals Receiving ECT Total and by Gender



Based on reports from hospitals to the Vermont Department of Mental Health. The reports contain monthly individual-level summaries for each patient.

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***Central Vermont Medical Center did not start providing ECT until April 2008. FY2008 data represents a partial year of information.

Hospital	MMSE Baseline	MMSE Follow- Up			MMSEI	mprovement								
nospital	Mean	Mean	an Improved Declined No Change											
	Iviean	Iviean	Number	Percentage	Number	Percentage	Number	Percentage						
CVMC	28.3	29.5	3	37.5%	1	12.5%	4	50.0%						
UVM-MC	22.7	26.0	38	48.7%	23	29.5%	17	21.8%						
VA	25.2	27.0	0 0.0% 1 100.0% 0 0.0%											
Total (n= 87)	25.4	27.5	41 47.1% 25 28.7% 21 24.1%											

Note: Baseline values are the first reported value for that patient in the reporting period and the "Follow-Up" value are the last reported value for that patient in the reporting period. An improvement constitutes a positive change in score between baseline and follow-up.

Hospital	MADRS Baseline	MADRS Follow- Up			MADRS	Improvement						
nospital	Maan	Maan	Mean Improved Declin		eclined	ned No Chang						
	Mean	Iviean	Number	Percentage	Number	Percentage	Number	Percentage				
CVMC	31.3	8.0	8	100.0%	0	0.0%	0	0.0%				
UVM-MC	36.7	21.0	72 94.7% 4 5.3% 0 0.0%									
VA	38.5	14.7	6 100.0% 0 0.0% 0 0.0%									
Total (n= 90)	35.5	14.6	86 95.6% 4 4.4% 0 0.0%									

Note: Baseline values are the first reported value for that patient in the reporting period and the "Follow-Up" value are the last reported value for that patient in the reporting period. An improvement constitutes a positive change in score between baseline and follow-up.