Pennsylvania State Hospital and Restoration Center System: Length of Stay, Demographics, and Diagnoses Report

Pennsylvania Department of Human Services

Office of Mental Health and Substance Abuse Services

January 2020 – December 2020

pennsylvania
DEPARTMENT OF HUMAN SERVICES
OFFICE OF MENTAL HEALTH AND
SUBSTANCE ABUSE SERVICES

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Introduction and Purpose

This report is created and prepared by the Pennsylvania Office of Mental Health and Substance Abuse Services (OMHSAS). The information contained within this report is extracted from the Patient Tracking System (PTS) of the State Facility Tracking System. The medical records staff at each of the six state hospitals and one restoration center are continually updating PTS with the necessary information of any individual served.

The purpose of this report is to provide the reader with an overview of lengths of stay, demographics, and diagnosis information, as it exists on the last day of the month for each of the state hospitals. This report is a limited data set designed for the purposes of research, public health, or health care operations in accordance with 45 C.F.R. § 164.502.

Counts of individuals that are less than 11 individuals include the designation of "<11" to protect the confidentiality of individuals in accordance with the Department's data governance policies.

Each table, chart, and graph are labeled regarding the content contained within the visualization. For definitions of terminology and data used, please refer to the appendix.

End of Month Census by Facility between January 1, 2020 and December 31, 2020

Month	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Jan. 2020	142	158	76	127	143	258	904	284	111	395	140	57	1496
Feb. 2020	140	159	74	129	134	263	899	276	104	380	137	57	1473
Mar. 2020	137	157	74	129	136	263	896	271	101	372	134	57	1459
Apr. 2020	143	156	73	135	137	262	906	259	100	359	133	57	1455
May 2020	145	153	66	135	137	262	898	245	90	335	136	57	1426
Jun. 2020	147	157	60	135	142	263	904	259	99	358	136	57	1455
Jul. 2020	145	154	54	134	135	265	887	255	103	358	135	57	1437
Aug. 2020	146	157	52	133	137	263	888	246	92	338	134	57	1417
Sep. 2020	142	155	48	130	143	259	877	266	95	361	135	57	1430
Oct. 2020	140	156	45	129	131	260	861	261	93	354	130	57	1402
Nov. 2020	139	158	42	130	130	257	856	262	88	350	125	56	1387
Dec. 2020	133	155	39	129	124	253	833	258	82	340	121	56	1350

This table provides the number of persons in each facility on the last day of each month. Counts are separated by facility and level of care.

Number of Admissions and Discharges per Facility between January 1, 2020 and December 31, 2020

Process	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Admissions	38	75	17	53	88	54	325	236	200	436	19	0	780
Discharges	49	79	52	47	107	61	395	264	230	494	36	<11	926

This table provides the number of persons admitted to, and discharged from, each facility over the past year. Counts are separated by facility and level of care.

Age of Patients in the State Hospital System as of December 31, 2020

Age	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Census	133	155	39	129	124	253	833	258	82	340	121	56	1350
< 21	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	15
> 21	130	154	39	127	123	251	824	252	82	334	121	56	1335
30-39	14	27	19	18	20	47	145	72	28	100	<11	22	268
40-49	13	26	16	19	23	44	141	45	20	65	<11	<11	210
50-59	34	33	11	32	34	55	199	48	15	63	18	<11	280
60-69	45	33	<11	31	32	66	216	30	<11	39	43	<11	298
70-79	21	14	<11	12	<11	12	72	<11	<11	13	42	<11	127
80-89	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	20	<11	28
90-99	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
> 65	36	31	<11	30	22	38	165	16	<11	22	88	<11	275

This table provides the number of persons in each listed age range, as well as the end-of-year census. Counts are separated by facility and level of care.

Race and Gender for Patients in the State Hospital System as of December 31, 2020

Race and Gender	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
American Indian/Alaskan Native	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Asian/Pacific Islander	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	18
Black Hispanic	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	12
Black Non-Hispanic	<11	15	21	<11	11	42	105	149	33	182	27	<11	318
White Hispanic	<11	<11	<11	<11	<11	36	53	15	<11	18	<11	<11	77
White Non-Hispanic	123	134	<11	112	110	163	652	80	43	123	88	50	913
Other	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Unknown	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Female	49	67	<11	47	53	78	298	56	16	72	46	<11	416
Male	84	88	35	82	71	175	535	202	66	268	75	56	934

Race and Gender for Patients Discharged between January 1, 2020 and December 31, 2020

Race and Gender	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
American Indian/Alaskan Native	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Asian/Pacific Islander	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Black Hispanic	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Black Non-Hispanic	<11	12	34	<11	12	11	79	156	83	239	<11	<11	323
White Hispanic	<11	<11	<11	<11	<11	<11	17	25	<11	32	<11	<11	51
White Non-Hispanic	41	66	13	40	91	40	291	75	136	211	28	<11	531
Other	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Unknown	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Female	22	33	<11	21	55	19	153	60	46	106	12	<11	271
Male	27	46	49	26	52	42	242	204	184	388	24	<11	655

Commitment Type of Patients in the State Hospital System as of December 31, 2020, Legal Status Code

Legal Status	Status Description	CLA	DAN	NOR	SOU	TOR	WAR	WER	Total
0	For use by Restoration Centers and ICF Units of State Mental Hospitals.	<11	<11	<11	14	<11	<11	<11	14
1	For use by Restoration Centers and SNF Units of State Mental Hospitals.	<11	<11	<11	58	<11	<11	<11	58
21	ACT 21 SRTP Commitment	<11	<11	<11	<11	56	<11	<11	56
2300	Voluntary admission of an adult.	<11	<11	<11	<11	<11	<11	<11	<11
2400	Conversion to voluntary from an involuntary commitment (302, 303, 304, or 305).	<11	<11	<11	<11	<11	<11	<11	<11
3200	Involuntary emergency commitment.	<11	<11	<11	<11	<11	<11	<11	<11
3300	Extended involuntary emergency commitment.	<11	<11	<11	<11	<11	<11	<11	<11
3400	Involuntary commitment of a person currently receiving emergency involuntary treatment in a State Mental Hospital.	<11	<11	<11	<11	<11	<11	18	22
3500	Involuntary commitment of a person currently receiving voluntary treatment in a State Mental Hospital.	<11	<11	<11	<11	<11	<11	<11	<11
3600	Involuntary commitment of a person not currently receiving treatment in a State Mental Hospital or other psychiatric service.	<11	<11	<11	<11	<11	<11	18	18
3700	Involuntary commitment of a person currently receiving treatment in a psychiatric service other than a State Mental Hospital.	58	48	<11	<11	61	71	50	289
3800	Involuntary commitment of a person found not guilty by reason of insanity.	<11	<11	<11	<11	<11	<11	<11	<11
3900	Involuntary criminal commitment of a person found incompetent to stand trial on charges enumerated under Section 304.	<11	<11	<11	<11	<11	<11	<11	13
4000	Extended involuntary commitment.	35	98	<11	<11	56	48	146	385
4030	Hearing/Determination of Incompetency to Proceed/Stay/Dismiss	<11	<11	<11	<11	<11	<11	<11	<11
4100	Extended involuntary commitment of a person found not guilty by reason of insanity.	<11	<11	<11	<11	<11	<11	<11	<11
4200	Extended involuntary commitment of a person found incompetent to stand trial on charges enumerated under Section 304.	<11	<11	<11	<11	<11	<11	<11	<11
499	Other	<11	<11	<11	<11	<11	<11	<11	<11
7000	Involuntary commitment for up to 60 days of a person found incompetent to stand trial who is not mentally disabled.	<11	<11	248	<11	54	<11	<11	303
7500	Involuntary commitment for examination of a person convicted of a crime as an aid in sentencing.	<11	<11	<11	<11	<11	<11	<11	<11
8000	Involuntary emergency commitment of a person charged with or convicted of a criminal offense, including a person on probation or parole.	<11	<11	<11	<11	<11	<11	<11	<11

Legal Status	Status Description	CLA	DAN	NOR	SOU	TOR	WAR	WER	Total
8200	Involuntary commitment of a person charged with or convicted of a criminal offense, including a person on probation or parole.	<11	<11	32	<11	19	<11	<11	61
8300	Extended involuntary commitment of a person charged with or convicted of a criminal offense, including a person on probation or parole.	<11	<11	<11	<11	<11	<11	<11	15
9900	Unclassified Commitments.	<11	<11	<11	<11	<11	<11	<11	<11

This table provides the number of patients in each facility that were admitted under specific legal status codes.

Commitment Type of Patients in the State Hospital System as of December 31, 2020, Section of the Law

Commitment Code	CLA	DAN	NOR	SOU	TOR	WAR	WER	Total
201b	<11	<11	<11	<11	<11	<11	<11	<11
21	0	<11	<11	<11	56	<11	<11	56
304	69	51	36	<11	86	74	100	416
305	42	99	12	<11	61	48	147	409
402b	0	<11	248	<11	54	<11	<11	303
405	0	<11	<11	<11	<11	<11	<11	<11

This table provides the number of patients in each facility that were admitted under specific sections of the law.

Veteran Status of Patients in the State Hospital System as of December 31, 2020

Veteran Status	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Non-Veteran	131	150	38	125	119	252	815	256	79	335	111	56	1,317
Veteran	<11	<11	<11	<11	<11	<11	18	<11	<11	<11	<11	<11	33

This table provides details regarding the veteran status of patients in each facility, separated by level of care.

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Level of Education of Patients in the State Hospital System as of December 31, 2020

Level of Education	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Second Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Third Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Fourth Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Fifth Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Sixth Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Seventh Grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Eighth Grade	<11	<11	<11	<11	<11	<11	14	<11	<11	<11	<11	<11	22
Ninth Grade	<11	<11	<11	<11	<11	<11	19	<11	<11	<11	<11	<11	25
Tenth Grade	<11	<11	<11	<11	<11	11	27	<11	<11	<11	14	<11	45
Eleventh Grade	<11	11	<11	<11	<11	17	37	<11	<11	<11	<11	<11	49
Twelfth Grade	25	96	<11	75	<11	73	279	<11	50	52	43	47	421
First Year College	<11	<11	<11	<11	<11	<11	24	<11	<11	<11	<11	<11	26
Second Year College	<11	<11	<11	<11	<11	<11	23	<11	<11	<11	<11	<11	32
Third Year College	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Fourth Year College	<11	<11	<11	<11	<11	<11	20	<11	<11	<11	<11	<11	32
Special Education (inc. persons presently enrolled)	<11	<11	<11	<11	<11	<11	11	<11	<11	<11	<11	<11	14

This table provides details regarding the level of education of patients in each facility, separated by level of care. Data for level of education was collected at time of admission. Please note that only 51.9% of data have valid entries for employment status. Invalid entries have been filtered out.

Marital status of Patients in the State Hospital System as of December 31, 2020

Marital Status	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Divorced	<11	25	<11	24	13	25	98	<11	<11	12	29	<11	139
Married	<11	<11	<11	<11	<11	<11	25	11	<11	18	<11	<11	52
Separated	<11	<11	<11	<11	<11	<11	13	<11	<11	<11	<11	<11	18
Single	108	115	33	103	96	183	638	213	62	275	64	56	1,033
Widowed	<11	<11	<11	<11	<11	<11	14	<11	<11	<11	<11	<11	26

This table provides details regarding the marital status of patients in each facility, separated by level of care. Data for marital status was collected at time of admission. Please note that only 93.9% of data have valid entries for employment status. Invalid entries have been filtered out.

Employment Status of Patients in the State Hospital System as of December 31, 2020

Employment Status	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Employed - Full-Time	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Employed - Part-Time (Sheltered workshop - Competitive)	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Retired	<11	<11	<11	<11	<11	<11	13	<11	<11	<11	<11	<11	19
Unemployed - (includes not gainfully employed)	<11	141	<11	28	49	63	291	<11	60	63	113	<11	469

This table provides details regarding the employment status of patients in each facility, separated by level of care. Data for employment status was collected at time of admission. Please note that only 36.3% of data have valid entries for employment status. Invalid entries have been filtered out.

Length of Stay for Patients Discharged between January 1, 2020 and December 31, 2020

LOS	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
< 6 months	14	21	16	16	44	<11	114	122	182	304	<11	<11	422
< 12 months	22	39	33	25	76	14	209	196	215	411	<11	<11	628
< 2 Years	27	56	44	36	95	26	284	234	227	461	12	<11	757
< 3 Years	30	64	45	40	97	38	314	244	229	473	16	<11	803
< 4 Years	32	70	45	40	99	42	328	247	229	476	19	<11	823
< 5 Years	33	71	46	40	102	46	338	250	229	479	22	<11	839
< 10 Years	39	75	49	44	107	54	368	261	229	490	33	<11	892
< 15 Years	46	77	51	46	107	58	385	263	230	493	33	<11	912
< 20 Years	47	77	52	46	107	60	389	263	230	493	34	<11	917
< 25 Years	49	77	52	47	107	60	392	263	230	493	36	<11	922
< 30 Years	49	79	52	47	107	60	394	264	230	494	36	<11	925
< 40 Years	49	79	52	47	107	61	395	264	230	494	36	<11	926
< 50 Years	49	79	52	47	107	61	395	264	230	494	36	<11	926

This table provides the number of patients discharged during the past year whose length of stay in the state hospital system is less than a specified length of time. Counts are separated by facility and level of care.

This table is also available separated by mental health diagnosis later in this document.

The plots in this section detail the distribution of lengths of stay at each state hospital and are separated by level of care. This section also contains plots that detail the average length of stay for each state hospital.

Mean and Median Lengths of Stay of Patients in the State Hospital System as of December 31, 2020

Measure	Psychiatric						Forensic		Long Term	SRTP
	CLA	DAN	NOR	TOR	WAR	WER	NOR	TOR	SOU	TOR
Mean	7.54	4.21	4.4	4.84	4.45	4.82	1.97	1.39	5.35	8.54
Median	3.75	1.49	1.46	1.9	1.97	2.57	0.9	0.31	4.95	8.49

This table displays the mean and median lengths of stay, separated by state hospital and level of care by number of years.

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2020, All Levels of Care
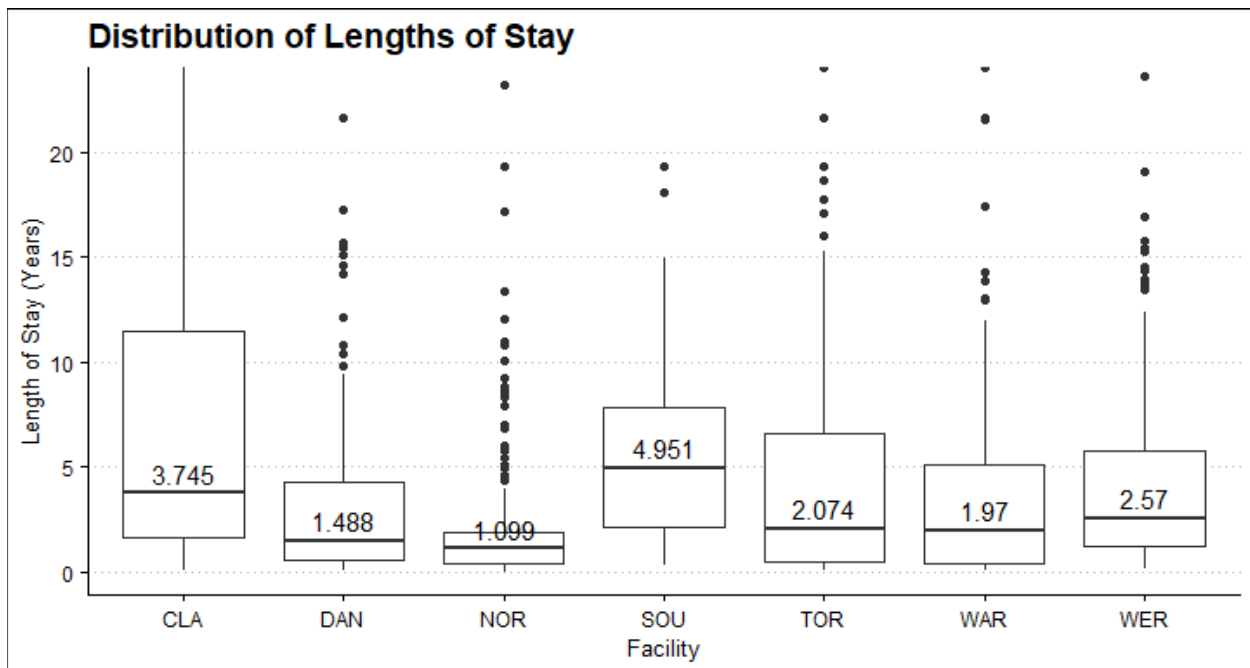
This plot displays the distribution of lengths of stay for patients in all levels of care using a boxplot. Please note that any values above 22.9 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median. For example, the median for CLA on this plot is approximately 3.745 years, the first quartile is 1.658 years, and the third quartile is 11.438 years. On a box plot, 25% of the data fits between

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each quartile. Therefore, for CLA on this plot, 25% of the lengths of stay at CLA are below 1.658 years, 25% of lengths of stay are between 1.658 years and 3.745 years, 25% are between 3.745 years and 11.438 years, and 25% are above 11.438 years.

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2020, Forensic Care

Distribution of Lengths of Stay
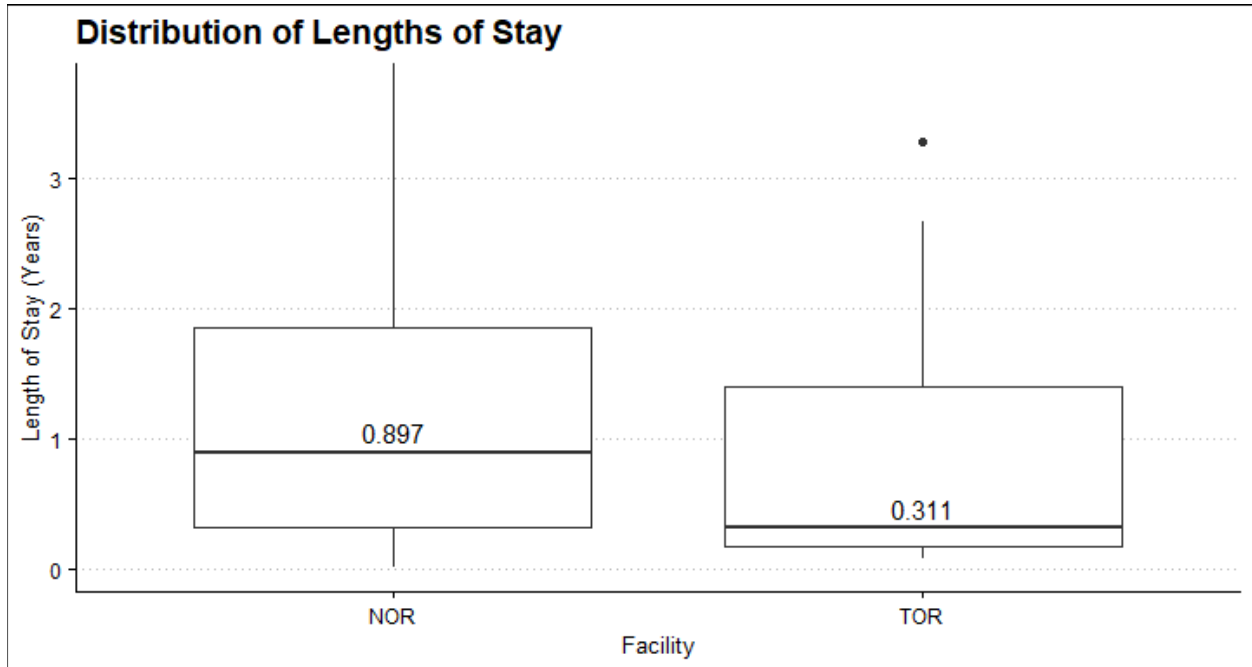
This plot displays the distribution of lengths of stay for patients in forensic care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 3.7 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2020, Psychiatric Care

Distribution of Lengths of Stay
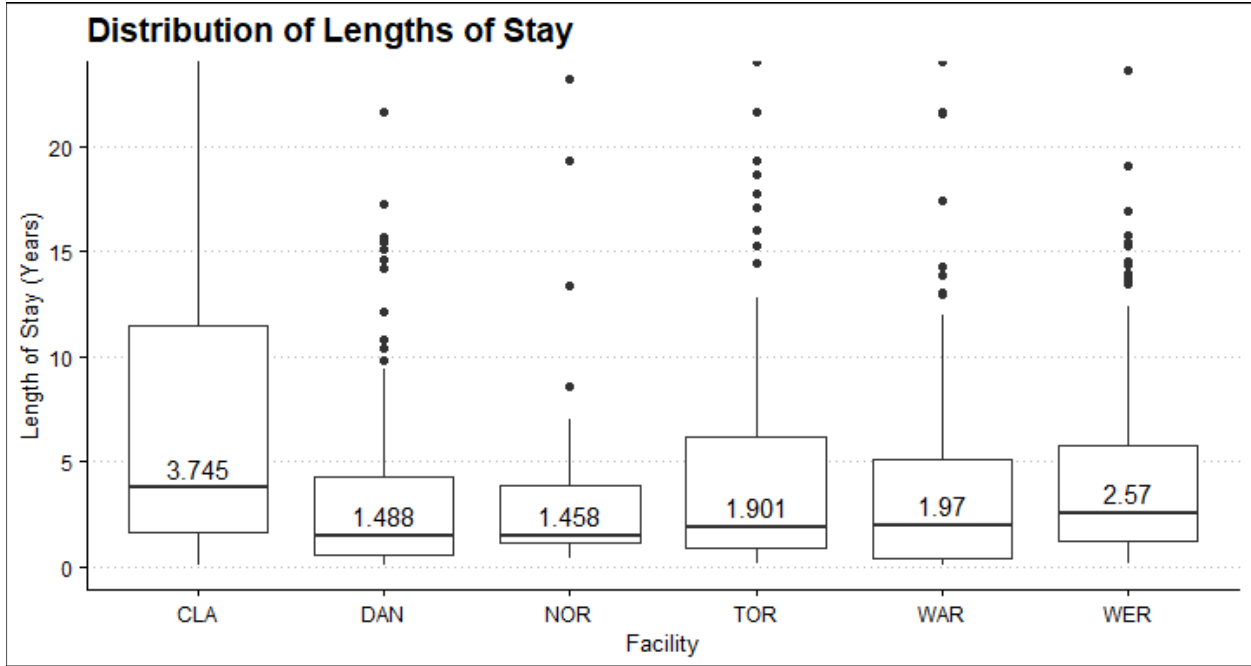
This plot displays the distribution of lengths of stay for patients in psychiatric care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 22.9 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2020, Long Term Care
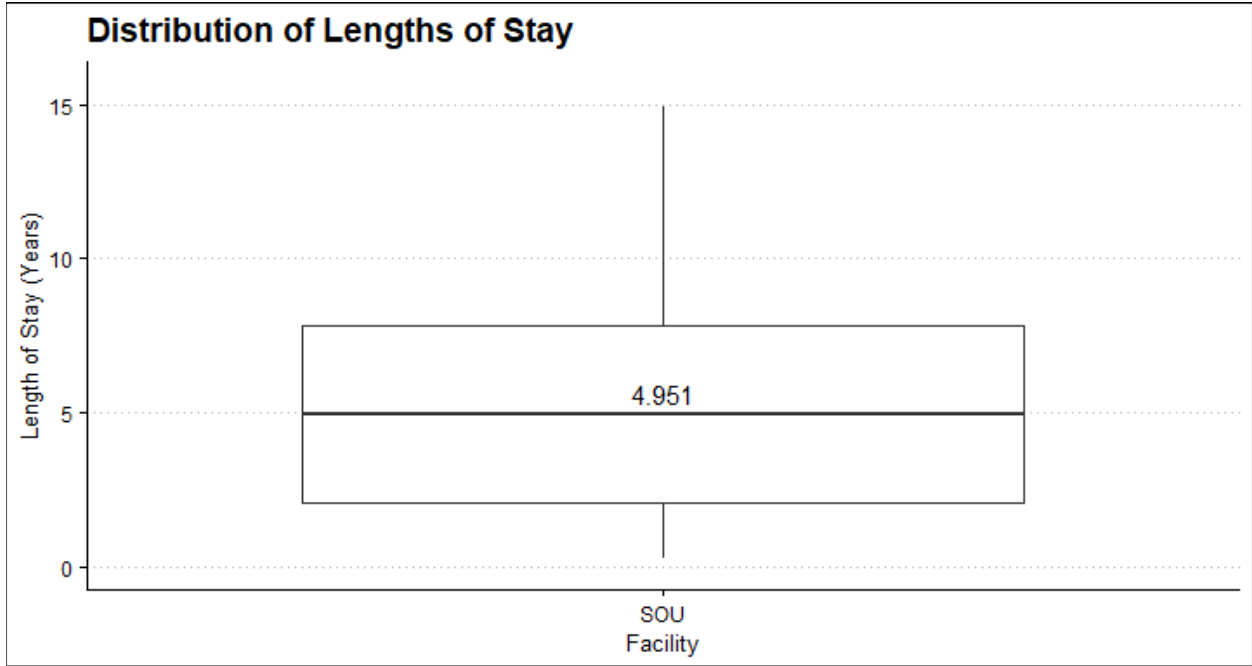

This plot displays the distribution of lengths of stay for patients in long term care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 15.6 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2020, Sexual Responsibility and Treatment Program

This plot displays the distribution of lengths of stay for patients in the sexual responsibility and treatment program using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 24.7 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

County of Origin for New Patients

This section breaks down the new patients to the state hospital system by county of origin and provides the raw counts of patients admitted from each county, and that county's total population. Additionally, these charts display the percent of all new patients that were admitted from each county, and the percent of the PA state population that resides within that county.

The "Significance Level" column displays the level of statistical significance of the difference between the "Percent of Total Patients Admitted" and the "County's Proportion of State Population." For more information, see the "Methodology" section of the appendix.

High statistical significance indicates that there is a significant difference between the proportion of patients in PA state hospitals that originate from a given county and that county's proportion of the state population. If each county committed the same number of patients to the state hospitals after adjusting for differences in population between counties, then the difference between these proportions should not be statistically significant.

If a county did not commit any patients to the state hospital system during the year, then that county will not be displayed in the table. Their population will still be taken into account when calculating population proportions.

County of Origin for New Patients between January 1, 2020 and December 31, 2020, All Levels of Care, Raw Counts and Proportions

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Allegheny	1221744	9.551%	89	11.41%	Not Significant
Armstrong	65867	0.515%	<11	0.513%	Not Significant
Beaver	165833	1.296%	<11	0.256%	Significant (0.05)
Bedford	48337	0.378%	<11	0.256%	Not Significant
Berks	418025	3.268%	23	2.949%	Not Significant
Blair	123157	0.963%	<11	0.769%	Not Significant
Bradford	60963	0.477%	<11	0.641%	Not Significant
Bucks	626806	4.9%	24	3.077%	Significant (0.05)
Butler	186899	1.461%	11	1.41%	Not Significant
Cambria	133009	1.04%	11	1.41%	Not Significant
Cameron	4611	0.036%	<11	0.256%	Significant (0.05)
Carbon	63887	0.499%	<11	0.513%	Not Significant
Centre	161960	1.266%	<11	0.769%	Not Significant
Chester	519560	4.062%	<11	0.641%	Significant (0.001)
Clarion	38715	0.303%	<11	0.641%	Not Significant
Clearfield	79908	0.625%	18	2.308%	Significant (0.001)
Clinton	38915	0.304%	<11	0.256%	Not Significant
Columbia	65715	0.514%	<11	0.769%	Not Significant
Crawford	85665	0.67%	<11	1.026%	Not Significant
Cumberland	249328	1.949%	14	1.795%	Not Significant
Dauphin	275632	2.155%	23	2.949%	Not Significant
Delaware	564554	4.413%	22	2.821%	Significant (0.05)
Elk	30340	0.237%	<11	0.128%	Not Significant
Erie	273835	2.141%	29	3.718%	Significant (0.01)
Fayette	131302	1.026%	<11	0.769%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Forest	7313	0.057%	<11	1.026%	Significant (0.001)
Franklin	154147	1.205%	31	3.974%	Significant (0.001)
Fulton	14506	0.113%	<11	0.128%	Not Significant
Greene	36870	0.288%	<11	0.128%	Not Significant
Huntingdon	45369	0.355%	<11	0.513%	Not Significant
Indiana	85032	0.665%	<11	0.128%	Not Significant
Jefferson	43846	0.343%	<11	0.385%	Not Significant
Lackawanna	210652	1.647%	29	3.718%	Significant (0.001)
Lancaster	540999	4.229%	16	2.051%	Significant (0.01)
Lawrence	86727	0.678%	<11	0.256%	Not Significant
Lebanon	139729	1.092%	<11	0.769%	Not Significant
Lehigh	365052	2.854%	21	2.692%	Not Significant
Luzerne	317663	2.483%	17	2.179%	Not Significant
Lycoming	114330	0.894%	14	1.795%	Significant (0.05)
McKean	41401	0.324%	<11	0.769%	Not Significant
Mercer	111518	0.872%	25	3.205%	Significant (0.001)
Mifflin	46276	0.362%	<11	0.897%	Significant (0.05)
Monroe	168032	1.314%	<11	1.154%	Not Significant
Montgomery	823823	6.44%	24	3.077%	Significant (0.001)
Montour	18259	0.143%	<11	0.128%	Not Significant
Northampton	302809	2.367%	<11	1.282%	Not Significant
Northumberland	91761	0.717%	<11	1.154%	Not Significant
Out of State	<11	0%	<11	1.026%	Significant (0.001)
Philadelphia	1579075	12.345%	110	14.103%	Not Significant
Pike	55453	0.434%	<11	0.256%	Not Significant
Schuylkill	142674	1.115%	21	2.692%	Significant (0.001)
Snyder	40483	0.316%	<11	0.128%	Not Significant
Somerset	74361	0.581%	<11	0.385%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Susquehanna	40970	0.32%	<11	0.385%	Not Significant
Tioga	40944	0.32%	<11	0.256%	Not Significant
Union	45111	0.353%	<11	0.128%	Not Significant
Venango	51818	0.405%	<11	1.026%	Significant (0.05)
Warren	39756	0.311%	<11	0.256%	Not Significant
Wayne	51422	0.402%	<11	0.641%	Not Significant
Westmoreland	352590	2.756%	23	2.949%	Not Significant
Wyoming	27327	0.214%	<11	0.128%	Not Significant
York	445565	3.483%	<11	1.282%	Significant (0.01)

County of Origin for New Patients between January 1, 2020 and December 31, 2020, Psychiatric Care, Raw Counts and Proportions

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Allegheny	1221744	9.551%	<11	0.308%	Significant (0.001)
Armstrong	65867	0.515%	<11	0.615%	Not Significant
Berks	418025	3.268%	11	3.385%	Not Significant
Blair	123157	0.963%	<11	1.231%	Not Significant
Bradford	60963	0.477%	<11	0.308%	Not Significant
Bucks	626806	4.9%	<11	0.923%	Significant (0.01)
Butler	186899	1.461%	<11	3.077%	Significant (0.05)
Cambria	133009	1.04%	11	3.385%	Significant (0.001)
Cameron	4611	0.036%	<11	0.615%	Significant (0.001)
Carbon	63887	0.499%	<11	0.615%	Not Significant
Centre	161960	1.266%	<11	1.538%	Not Significant
Chester	519560	4.062%	<11	0.308%	Significant (0.01)
Clarion	38715	0.303%	<11	1.538%	Significant (0.001)
Clearfield	79908	0.625%	14	4.308%	Significant (0.001)
Clinton	38915	0.304%	<11	0.308%	Not Significant
Columbia	65715	0.514%	<11	1.538%	Significant (0.05)
Crawford	85665	0.67%	<11	0.923%	Not Significant
Cumberland	249328	1.949%	<11	1.538%	Not Significant
Dauphin	275632	2.155%	13	4%	Significant (0.05)
Delaware	564554	4.413%	<11	0.615%	Significant (0.01)
Erie	273835	2.141%	23	7.077%	Significant (0.001)
Fayette	131302	1.026%	<11	0.615%	Not Significant
Forest	7313	0.057%	<11	2.154%	Significant (0.001)
Franklin	154147	1.205%	<11	1.231%	Not Significant
Huntingdon	45369	0.355%	<11	0.308%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Indiana	85032	0.665%	<11	0.308%	Not Significant
Jefferson	43846	0.343%	<11	0.308%	Not Significant
Lackawanna	210652	1.647%	19	5.846%	Significant (0.001)
Lancaster	540999	4.229%	<11	3.077%	Not Significant
Lebanon	139729	1.092%	<11	1.231%	Not Significant
Lehigh	365052	2.854%	11	3.385%	Not Significant
Luzerne	317663	2.483%	12	3.692%	Not Significant
Lycoming	114330	0.894%	<11	2.462%	Significant (0.01)
McKean	41401	0.324%	<11	1.846%	Significant (0.001)
Mercer	111518	0.872%	22	6.769%	Significant (0.001)
Mifflin	46276	0.362%	<11	1.538%	Significant (0.01)
Montgomery	823823	6.44%	<11	0.615%	Significant (0.001)
Montour	18259	0.143%	<11	0.308%	Not Significant
Northampton	302809	2.367%	<11	1.231%	Not Significant
Northumberland	91761	0.717%	<11	2.462%	Significant (0.001)
Out of State	<11	0%	<11	0.615%	Significant (0.001)
Philadelphia	1579075	12.345%	13	4%	Significant (0.001)
Schuylkill	142674	1.115%	18	5.538%	Significant (0.001)
Somerset	74361	0.581%	<11	0.615%	Not Significant
Tioga	40944	0.32%	<11	0.308%	Not Significant
Union	45111	0.353%	<11	0.308%	Not Significant
Venango	51818	0.405%	<11	0.615%	Not Significant
Warren	39756	0.311%	<11	0.308%	Not Significant
Wayne	51422	0.402%	<11	1.231%	Not Significant
Westmoreland	352590	2.756%	16	4.923%	Significant (0.05)
Wyoming	27327	0.214%	<11	0.308%	Not Significant
York	445565	3.483%	<11	2.154%	Not Significant

County of Origin for New Patients between January 1, 2020 and December 31, 2020, Forensic Care, Raw Counts and Proportions

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Allegheny	1221744	9.551%	88	20.183%	Significant (0.001)
Armstrong	65867	0.515%	<11	0.459%	Not Significant
Beaver	165833	1.296%	<11	0.459%	Not Significant
Bedford	48337	0.378%	<11	0.459%	Not Significant
Berks	418025	3.268%	12	2.752%	Not Significant
Blair	123157	0.963%	<11	0.459%	Not Significant
Bradford	60963	0.477%	<11	0.917%	Not Significant
Bucks	626806	4.9%	21	4.817%	Not Significant
Butler	186899	1.461%	<11	0.229%	Not Significant
Carbon	63887	0.499%	<11	0.459%	Not Significant
Centre	161960	1.266%	<11	0.229%	Not Significant
Chester	519560	4.062%	<11	0.917%	Significant (0.01)
Clearfield	79908	0.625%	<11	0.917%	Not Significant
Clinton	38915	0.304%	<11	0.229%	Not Significant
Columbia	65715	0.514%	<11	0.229%	Not Significant
Crawford	85665	0.67%	<11	1.147%	Not Significant
Cumberland	249328	1.949%	<11	2.064%	Not Significant
Dauphin	275632	2.155%	<11	2.294%	Not Significant
Delaware	564554	4.413%	20	4.587%	Not Significant
Elk	30340	0.237%	<11	0.229%	Not Significant
Erie	273835	2.141%	<11	1.376%	Not Significant
Fayette	131302	1.026%	<11	0.917%	Not Significant
Forest	7313	0.057%	<11	0.229%	Not Significant
Franklin	154147	1.205%	<11	2.294%	Not Significant
Fulton	14506	0.113%	<11	0.229%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Greene	36870	0.288%	<11	0.229%	Not Significant
Huntingdon	45369	0.355%	<11	0.688%	Not Significant
Jefferson	43846	0.343%	<11	0.459%	Not Significant
Lackawanna	210652	1.647%	<11	2.294%	Not Significant
Lancaster	540999	4.229%	<11	1.376%	Significant (0.01)
Lawrence	86727	0.678%	<11	0.459%	Not Significant
Lebanon	139729	1.092%	<11	0.459%	Not Significant
Lehigh	365052	2.854%	<11	2.294%	Not Significant
Luzerne	317663	2.483%	<11	1.147%	Not Significant
Lycoming	114330	0.894%	<11	1.376%	Not Significant
Mercer	111518	0.872%	<11	0.688%	Not Significant
Mifflin	46276	0.362%	<11	0.459%	Not Significant
Monroe	168032	1.314%	<11	2.064%	Not Significant
Montgomery	823823	6.44%	22	5.046%	Not Significant
Northampton	302809	2.367%	<11	1.376%	Not Significant
Northumberland	91761	0.717%	<11	0.229%	Not Significant
Out of State	<11	0%	<11	1.376%	Significant (0.001)
Philadelphia	1579075	12.345%	97	22.248%	Significant (0.001)
Pike	55453	0.434%	<11	0.459%	Not Significant
Schuylkill	142674	1.115%	<11	0.688%	Not Significant
Snyder	40483	0.316%	<11	0.229%	Not Significant
Somerset	74361	0.581%	<11	0.229%	Not Significant
Susquehanna	40970	0.32%	<11	0.688%	Not Significant
Tioga	40944	0.32%	<11	0.229%	Not Significant
Venango	51818	0.405%	<11	1.376%	Significant (0.01)
Warren	39756	0.311%	<11	0.229%	Not Significant
Wayne	51422	0.402%	<11	0.229%	Not Significant
Westmoreland	352590	2.756%	<11	1.606%	Not Significant

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DEPARTMENT OF HUMAN SERVICES
OFFICE OF MENTAL HEALTH AND
SUBSTANCE ABUSE SERVICES

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
York	445565	3.483%	<11	0.688%	Significant (0.01)

County of Origin for New Patients between January 1, 2020 and December 31, 2020, Sexual Responsibility and Treatment Program, Raw Counts and Proportions

There were no SRTP admissions in 2020.

Census by Diagnoses

The following tables detail the census for each state hospital, separated by level of care, for patients who have a specific category of diagnosis. Please note that patients may have multiple diagnoses and may therefore be represented on each table more than once.

Number of Patients by Mental Health Diagnosis in the State Hospital System as of December 31, 2020

Diagnosis	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Behavioural and emotional disorders with onset usually occurring in childhood and adolescence	<11	<11	<11	12	<11	11	34	<11	<11	<11	<11	<11	47
Behavioural syndromes associated with physiological disturbances and physical factors	<11	<11	<11	<11	<11	<11	13	<11	<11	<11	<11	<11	16
Disorders of adult personality and behaviour	19	22	<11	46	18	66	176	14	15	29	16	45	266
Disorders of psychological development	<11	<11	<11	<11	<11	<11	26	<11	<11	<11	<11	<11	32
Intellectual disability	<11	12	<11	<11	<11	21	43	15	<11	20	<11	<11	74
Mood (affective) disorders	20	20	<11	23	20	32	123	31	11	42	53	21	239
Neurotic, stress-related, and somatoform disorders	24	14	<11	24	19	24	105	11	<11	18	34	<11	166
Organic, including symptomatic, mental disorders	<11	<11	<11	<11	<11	11	42	<11	<11	<11	79	<11	129
Other mental disorder	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizophrenia, schizotypal, and delusional disorders	104	132	26	97	106	216	681	127	70	197	86	<11	964
Severe cranial injury, including concussion and TBI	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Substance use disorder	42	48	16	67	46	74	293	57	41	98	37	<11	430

This table is a census of all patients in the state hospital system taken on December 31, 2020, separated by facility, level of care, and mental health diagnosis.

Number of Patients by Physical Health Diagnosis in the State Hospital System as of December 31, 2020

Diagnosis	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Certain conditions originating in the perinatal period	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Congenital malformations, deformations, and chromosomal abnormalities	<11	<11	<11	<11	<11	<11	14	<11	<11	<11	<11	<11	24
Diseases of the blood and blood-forming organs, and certain disorders involving the immune mechanism	18	18	<11	17	<11	27	87	<11	<11	<11	26	11	130
Diseases of the central nervous system	48	38	<11	37	19	46	192	<11	11	19	78	24	313
Diseases of the circulatory system	50	69	11	60	40	100	330	34	22	56	53	<11	443
Diseases of the digestive system	87	94	<11	88	58	145	481	17	30	47	80	44	652
Diseases of the genitourinary system	33	21	<11	33	19	38	147	<11	<11	14	32	<11	202
Diseases of the musculoskeletal system and connective tissue	31	48	<11	42	22	43	192	11	<11	21	61	21	295
Diseases of the respiratory system	41	52	<11	39	21	67	226	13	11	24	27	44	321
Diseases of the skin and subcutaneous tissue	18	26	<11	25	14	33	117	<11	<11	14	27	28	186
Disorders of sensory organs	23	84	<11	21	<11	38	173	<11	<11	14	32	14	233
Endocrine, nutritional, and metabolic diseases	115	123	15	112	89	201	655	30	33	63	75	54	847
Infectious and parasitic diseases	<11	<11	<11	<11	<11	18	52	<11	<11	<11	16	<11	80
Neoplasms	<11	<11	<11	<11	<11	12	34	<11	<11	<11	<11	<11	45
Other diagnoses	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Other injury, poisoning, or external causes of morbidity and mortality	<11	30	<11	<11	<11	<11	52	<11	<11	<11	12	<11	72
Pregnancy, childbirth, and the puerperium	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Specific signs and symptoms	59	56	<11	62	66	100	352	16	17	33	98	29	512

This table is a census of all patients in the state hospital system taken on December 31, 2020, separated by facility, level of care, and physical health diagnosis.

Number of Patients with a Substance Use Disorder by Substance in the State Hospital System as of December 31, 2020

Substance	CLA	DAN	NOR	TOR	WAR	WER	Psychiatric Total	NOR	TOR	Forensic Total	Long Term SOU	SRTP TOR	System Total
Alcohol	16	24	<11	37	<11	23	115	18	19	37	23	<11	175
Amphetamines	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Cannabinoids	<11	13	<11	13	<11	<11	53	17	19	36	<11	<11	94
Cocaine	<11	<11	<11	<11	<11	<11	<11	<11	<11	16	<11	<11	30
Hallucinogens	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Opioids	<11	<11	<11	<11	<11	<11	17	<11	<11	<11	<11	<11	26
Other drug dependence	<11	16	<11	22	11	22	86	28	<11	32	14	<11	133
Prescription medications	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Sedatives and Hypnotics	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Stimulants	<11	<11	<11	<11	<11	<11	11	<11	<11	<11	<11	<11	17
Tobacco	33	<11	<11	29	30	38	140	<11	<11	<11	<11	<11	154

This table is a census of all patients diagnosed with a substance use disorder in the state hospital system taken on December 31, 2020, separated by facility, level of care, and substance.

Appendix

Glossary of Terms

- Level of Care

    - PS: Psychiatric Care
    - FO: Forensic Care
    - LT: Long Term Care
    - SRTP: Sexual Responsibility and Treatment Program (Act 21 Program)

- State Hospital Abbreviations/Facility Codes

    - CLA: Clarks Summit State Hospital
    - DAN: Danville State Hospital
    - NOR: Norristown State Hospital
    - SOU: South Mountain Restoration Center
    - TOR: Torrance State Hospital
    - WAR: Warren State Hospital
    - WER: Wernersville State Hospital

Data Sets

- Patient Tracking System (PTS)

    - The extraction date of the data for this report is Feb 16, 2021.
    - Pennsylvania Department of Human Services, State Facility Tracking System. (2021). *Patient Tracking System* [XLSX file] Harrisburg, PA.
    - The variables used in this data set are listed below with their definitions.

- Pennsylvania County Population Data

    - These data are pulled from the U.S. Census Bureau's American Community Survey.
    - United States Census Bureau, Population Division. (June 2019). *U.S. Census Bureau, American Community Survey 1-Year Estimates* [CSV file]. Retrieved from https://data.census.gov/cedsci/table?q=pennsylvania%20population&g=0400000US42.050000&tid=ACSDT1Y2019.B01003&hidePreview=true
    - This data set provides population estimates for each year from 2010 through 2020.

Methodology

- Null/Missing County Data

    - 19.53% of the records in the PTS data set contain missing county data.
    - Within the PTS data set, the Base Service Unit (BSU) is also recorded. The BSU is defined as "…an organizational unit consisting of multidisciplinary

professional and nonprofessional staff capable of planning, directing and coordinating appropriate services for individuals with an intellectual disability and in need of service from the county program" (055 PA Code § 6201.12).

- – For each record with missing county data, the county corresponding to that patient's BSU of record will be used instead. This leaves only 0% of the records with missing county data.

- Population Estimates

  - – The U.S. Census Bureau tends to release new population estimates each June for the previous year. Therefore, all calculations in this report that require population counts will be conducted using population counts from the previous year.
  - – Populations for each area tend to have little variation in the span of a single year, so the estimates from the previous year will be considered an analogous and valid alternative.

- County of Origin for New Patients

  - – The significance level is based on the *p-value* produced by a Pearson's Chi-squared test of two proportions with Yates' continuity correction applied where possible.
  - – A smaller *p-value* indicates greater statistical significance. Any value above 0.05 is considered not statistically significant.
  - – Note that if the number of total patients statewide for a given category is low, significance level may be inaccurate, as small sample sizes have fewer degrees of freedom (This may be partially corrected via Yates). This is most likely to occur in long term care and SRTP (Act-21) care.
  - – Yates' continuity correction is applied to cases with small sample sizes, and may increase the *p-value* produced by the test. Please note that Yates has a tendency to over-correct, increasing the risk of type II error.
  - – It should be noted that patients listed as "Out of State" will have zero percent of the state population. Therefore, it is likely that a single patient may cause the *p-value* for "Out of State" patients to be significant.