

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 2018 – December 2018

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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, 2018 and December 31, 2018

Month	Psychiatric							Forensic			Long Term	S RTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Jan. 2018	176	159	35	148	148	258	924	220	111	331	141	56	1452
Feb. 2018	179	159	34	145	150	254	921	246	111	357	142	58	1478
Mar. 2018	175	158	33	148	147	258	919	254	109	363	142	57	1481
Apr. 2018	174	160	33	153	147	258	925	253	107	360	142	56	1483
May 2018	173	160	33	152	147	252	917	250	111	361	141	56	1475
Jun. 2018	175	160	33	150	139	251	908	251	106	357	140	56	1461
Jul. 2018	175	160	33	149	143	252	912	252	111	363	139	56	1470
Aug. 2018	174	158	33	145	142	250	902	253	109	362	137	57	1458
Sep. 2018	171	158	33	141	137	244	884	251	115	366	138	57	1445
Oct. 2018	170	158	33	140	141	244	886	251	119	370	137	57	1450
Nov. 2018	168	158	30	140	137	246	879	254	119	373	134	56	1442
Dec. 2018	167	158	31	141	140	247	884	251	119	370	136	56	1446

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, 2018 and December 31, 2018

Process	Psychiatric							Forensic			Long Term	S RTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Admissions	57	73	<11	76	80	55	342	207	223	430	19	<11	795
Discharges	65	69	<11	82	87	69	378	156	215	371	26	<11	778

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, 2018

Age	Psychiatric							Forensic			Long Term	S RTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Census	167	158	31	141	140	247	884	251	119	370	136	56	1446
< 21	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	16

Age	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
> 21	166	156	31	140	136	245	874	248	116	364	136	56	1430
30-39	19	25	<11	24	18	34	129	59	25	84	<11	18	232
40-49	21	24	<11	23	18	46	134	49	21	70	<11	<11	210
50-59	51	40	<11	35	42	51	228	55	19	74	19	<11	321
60-69	52	40	<11	37	38	64	239	36	11	47	43	<11	329
70-79	19	15	<11	<11	<11	20	74	<11	<11	15	44	<11	133
80-89	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	17	<11	29
90-99	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
> 65	45	29	<11	16	25	47	169	21	12	33	94	<11	296

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, 2018

Race and Gender	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
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	<11
Black Non-Hispanic	<11	19	<11	14	17	40	108	150	42	192	28	<11	332
White Hispanic	<11	<11	<11	<11	<11	24	31	17	<11	19	<11	<11	57
White Non-Hispanic	152	134	19	125	120	174	724	75	72	147	101	50	1022
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	63	63	<11	51	58	86	331	30	23	53	53	<11	437
Male	104	95	21	90	82	161	553	221	96	317	83	56	1009

Race and Gender for Patients Discharged between January 1, 2018 and December 31, 2018

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

Race and Gender	Psychiatric							Forensic			Long Term	S RTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Black Hispanic	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Black Non-Hispanic	<11	15	<11	<11	<11	12	50	94	77	171	<11	<11	226
White Hispanic	<11	<11	<11	<11	<11	<11	19	14	<11	18	<11	<11	38
White Non-Hispanic	53	50	<11	71	75	45	298	41	128	169	20	<11	490
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	21	24	<11	40	46	23	157	22	36	58	<11	<11	221
Male	44	45	<11	42	41	46	221	134	179	313	20	<11	557

Commitment Type of Patients in the State Hospital System as of December 31, 2018, 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	39	<11	<11	<11	39
1	For use by Restoration Centers and SNF Units of State Mental Hospitals.	<11	<11	<11	69	<11	<11	<11	69
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	<11	<11
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	21	22
3700	Involuntary commitment of a person currently receiving treatment in a psychiatric service other than a State Mental Hospital.	90	70	<11	<11	81	95	60	406
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	16
4000	Extended involuntary commitment.	35	82	<11	<11	52	39	132	350
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	14
7000	Involuntary commitment for up to 60 days of a person found incompetent to stand trial who is not mentally disabled.	<11	<11	207	<11	70	<11	<11	279
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
8200	Involuntary commitment of a person charged with or convicted of a criminal offense, including a person on probation or parole.	<11	<11	21	<11	35	<11	<11	73
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	22
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, 2018, Section of the Law

Commitment Code	CLA	DAN	NOR	SOU	TOR	WAR	WER	Total
201b	<11	<11	<11	<11	<11	<11	<11	15
21	0	<11	<11	<11	56	<11	<11	56
304	104	74	36	<11	121	99	107	542
305	42	83	30	<11	60	39	135	389
402b	0	<11	207	<11	70	<11	<11	279
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, 2018

Veteran Status	Psychiatric							Forensic			Long Term	S RTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Non-Veteran	163	150	31	137	139	247	867	247	113	360	129	56	1,412
Veteran	<11	<11	<11	<11	<11	<11	17	<11	<11	<11	<11	<11	34

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

Level of Education of Patients in the State Hospital System as of December 31, 2018

Level of Education	Psychiatric							Forensic			Long Term	S RTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Preschool (persons only ENROLLED in preschool)	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
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	27
Ninth Grade	<11	<11	<11	<11	<11	<11	20	<11	<11	<11	<11	<11	26
Tenth Grade	<11	<11	<11	<11	<11	14	34	<11	<11	<11	13	<11	54
Eleventh Grade	<11	18	<11	<11	<11	15	44	<11	14	15	<11	<11	67
Twelfth Grade	35	83	<11	86	<11	74	286	<11	43	49	38	47	420
First Year College	<11	<11	<11	<11	<11	<11	25	<11	<11	<11	<11	<11	35
Second Year College	<11	<11	<11	<11	<11	<11	28	<11	<11	<11	<11	<11	42
Third Year College	<11	<11	<11	<11	<11	<11	12	<11	<11	<11	<11	<11	15
Fourth Year College	<11	12	<11	<11	<11	<11	28	<11	<11	<11	<11	<11	42
Special Education (inc. persons presently enrolled)	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	17

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 53.6% 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, 2018

Marital Status	Psychiatric							Forensic			Long Term	S RTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Divorced	19	29	<11	19	14	25	108	<11	<11	16	37	<11	161
Married	<11	<11	<11	<11	<11	<11	27	12	<11	20	12	<11	59
Separated	<11	<11	<11	<11	<11	<11	24	<11	<11	<11	<11	<11	34
Single	129	115	25	112	108	161	650	200	94	294	63	55	1,062
Widowed	<11	<11	<11	<11	<11	<11	15	<11	<11	<11	12	<11	32

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 93.2% 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, 2018

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	<11	<11	<11	<11	<11	<11	17
Unemployed - (includes not gainfully employed)	<11	140	<11	30	79	32	287	<11	59	67	100	<11	455

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 32.9% of data have valid entries for employment status. Invalid entries have been filtered out.

Length of Stay for Patients Discharged between January 1, 2018 and December 31, 2018

LOS	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
< 6 months	17	11	<11	20	28	<11	78	55	148	203	<11	<11	281
< 12 months	29	30	<11	39	49	<11	156	90	195	285	<11	<11	443
< 2 Years	45	46	<11	58	60	23	234	125	208	333	<11	<11	572
< 3 Years	53	54	<11	64	67	33	273	140	211	351	<11	<11	629
< 4 Years	53	59	<11	66	73	38	291	144	212	356	<11	<11	656
< 5 Years	55	61	<11	69	77	40	304	146	213	359	13	<11	676
< 10 Years	61	64	<11	81	80	63	353	154	215	369	19	<11	743
< 15 Years	62	67	<11	81	82	67	364	155	215	370	26	<11	763
< 20 Years	62	67	<11	81	83	67	365	156	215	371	26	<11	765
< 25 Years	63	67	<11	82	83	69	370	156	215	371	26	<11	770
< 30 Years	64	67	<11	82	85	69	373	156	215	371	26	<11	773
< 40 Years	65	69	<11	82	87	69	378	156	215	371	26	<11	778
< 50 Years	65	69	<11	82	87	69	378	156	215	371	26	<11	778

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.

Distributions and Mean Lengths of Stay

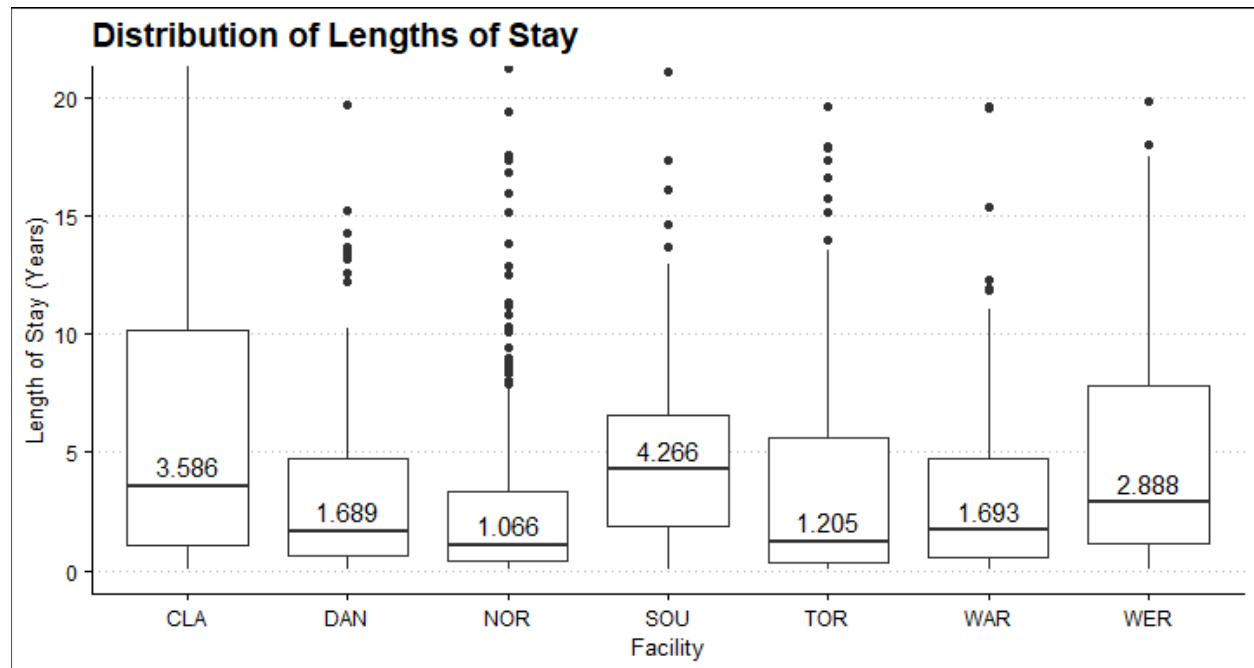
The plots in this section detail the distribution of lengths of stay at each state hospital and are separated by level of care. This section also contains plots that detail the average length of stay for each state hospital.

Mean and Median Lengths of Stay of Patients in the State Hospital System as of December 31, 2018

Measure	Psychiatric						Forensic		Long Term	S RTP
	CLA	DAN	NOR	TOR	WAR	WER	NOR	TOR	SOU	TOR
Mean	6.68	4.27	9.52	5.14	3.88	5.46	2.61	0.95	5.06	6.81
Median	3.59	1.69	4.47	2.16	1.69	2.89	0.92	0.28	4.27	6.56

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, 2018, All Levels of Care

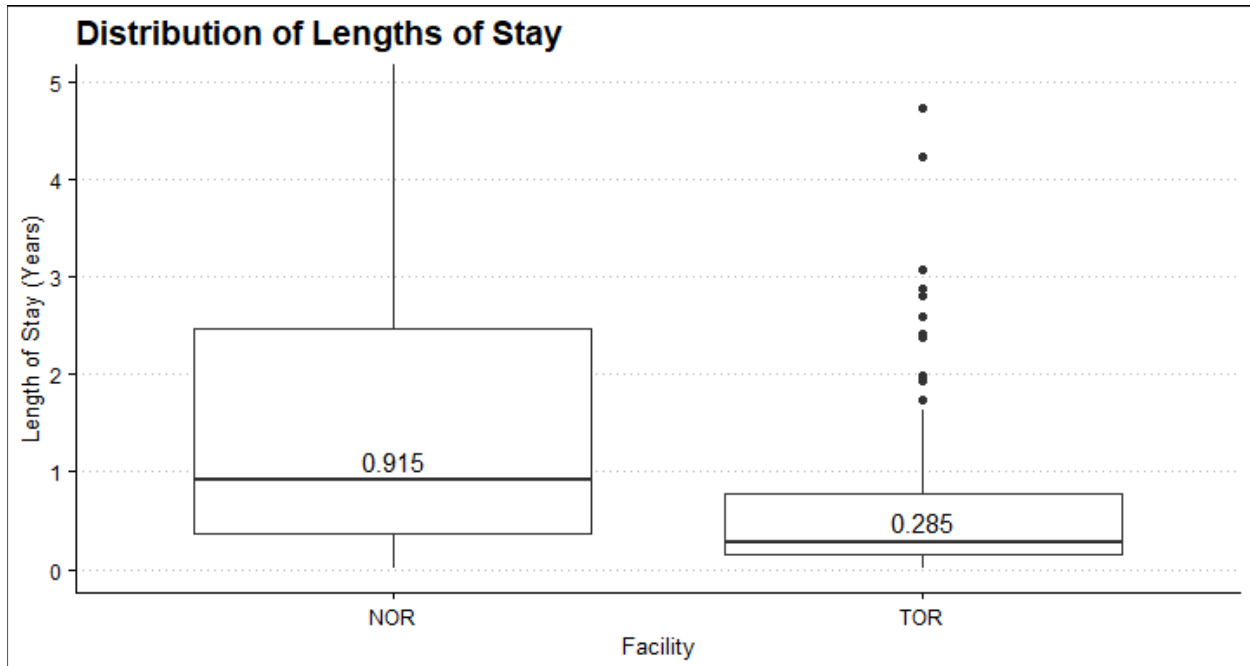


This plot displays the distribution of lengths of stay for patients in all levels of care using a boxplot. Please note that any values above 20.3 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

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 3.586 years, the first quartile is 1.045

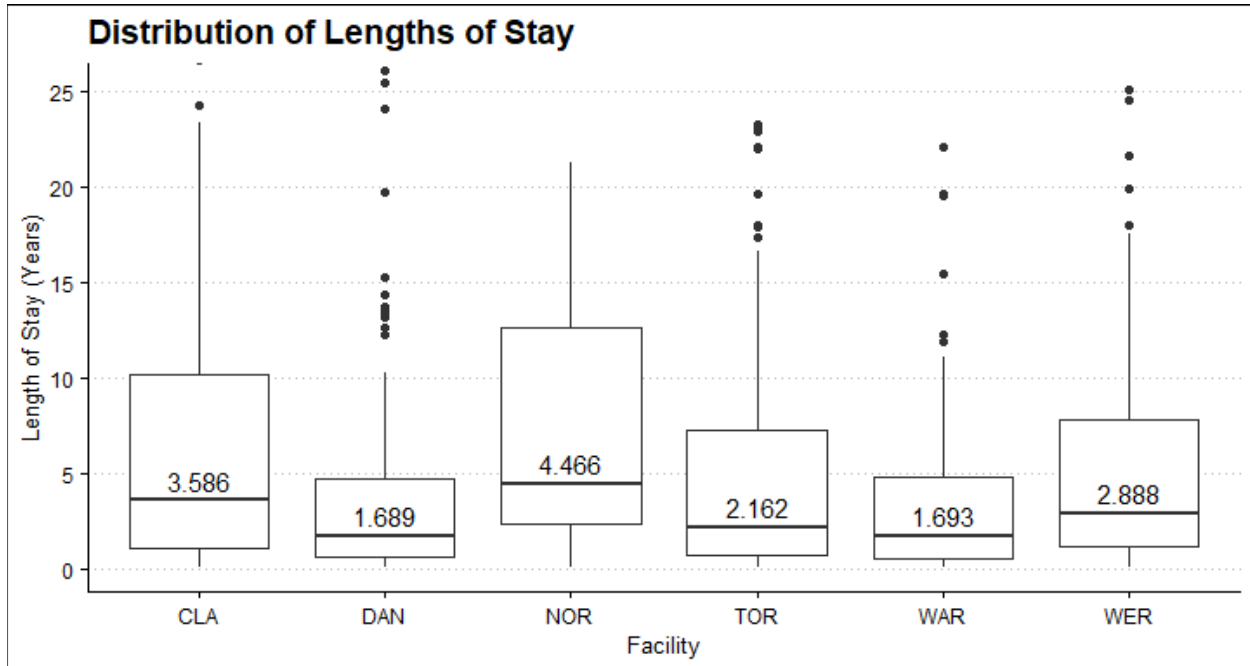
years, and the third quartile is 10.132 years. On a box plot, 25% of the data fits between each quartile. Therefore, for CLA on this plot, 25% of the lengths of stay at CLA are below 1.045 years, 25% of lengths of stay are between 1.045 years and 3.586 years, 25% are between 3.586 years and 10.132 years, and 25% are above 10.132 years.

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2018, Forensic Care



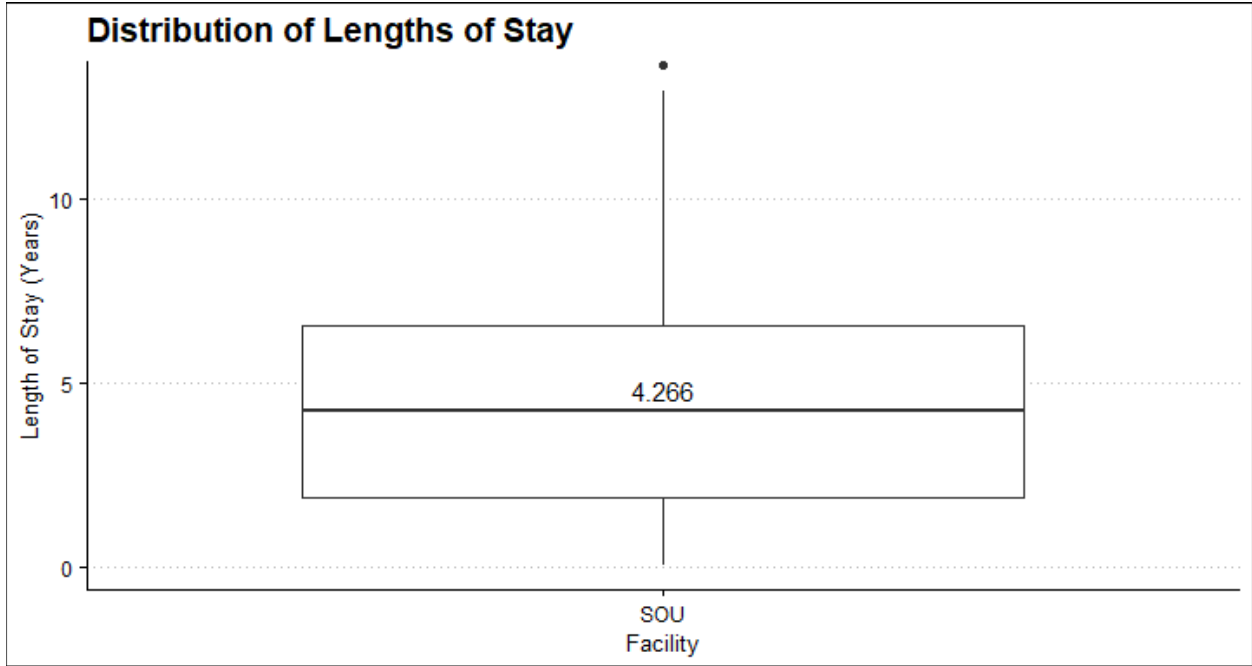
This plot displays the distribution of lengths of stay for patients in forensic care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 4.9 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, 2018, Psychiatric Care



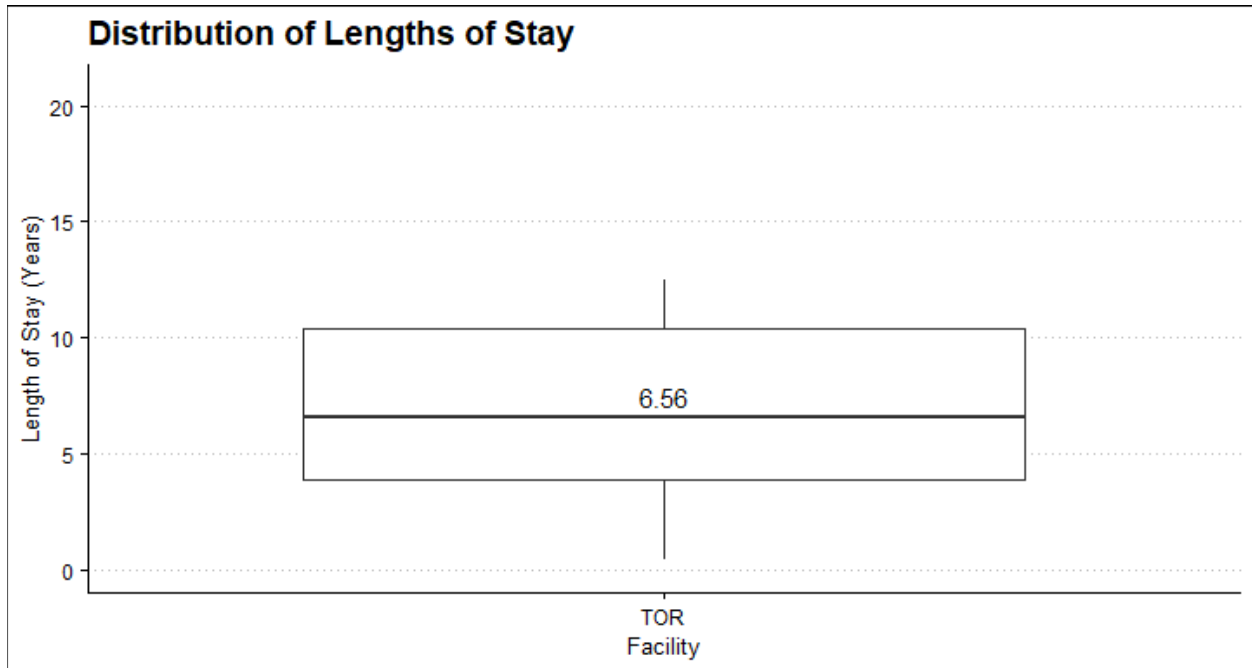
This plot displays the distribution of lengths of stay for patients in psychiatric care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 25.2 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, 2018, 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 13.1 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, 2018, 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 20.7 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, 2018 and December 31, 2018, 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	1229605	9.613%	112	14.088%	Significant (0.001)
Armstrong	66737	0.522%	<11	0.377%	Not Significant
Beaver	168161	1.315%	<11	0.126%	Significant (0.01)
Bedford	48891	0.382%	<11	0.126%	Not Significant
Berks	415500	3.249%	22	2.767%	Not Significant
Blair	124736	0.975%	<11	1.258%	Not Significant
Bradford	61546	0.481%	<11	0.755%	Not Significant
Bucks	626486	4.898%	13	1.635%	Significant (0.001)
Butler	185984	1.454%	<11	1.006%	Not Significant
Cambria	135871	1.062%	17	2.138%	Significant (0.01)
Carbon	63987	0.5%	<11	0.503%	Not Significant
Centre	160646	1.256%	<11	0.629%	Not Significant
Chester	514652	4.024%	<11	0.881%	Significant (0.001)
Clarion	38747	0.303%	<11	0.881%	Significant (0.01)
Clearfield	80539	0.63%	12	1.509%	Significant (0.01)
Clinton	39321	0.307%	<11	0.126%	Not Significant
Columbia	66615	0.521%	<11	1.258%	Significant (0.01)
Crawford	86847	0.679%	<11	1.006%	Not Significant
Cumberland	245801	1.922%	13	1.635%	Not Significant
Dauphin	273329	2.137%	21	2.642%	Not Significant
Delaware	563384	4.405%	29	3.648%	Not Significant
Elk	30781	0.241%	<11	0.377%	Not Significant
Erie	277794	2.172%	22	2.767%	Not Significant
Fayette	133160	1.041%	13	1.635%	Not Significant
Forest	7388	0.058%	<11	0.377%	Significant (0.01)

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Franklin	153003	1.196%	34	4.277%	Significant (0.001)
Fulton	14631	0.114%	<11	0.126%	Not Significant
Greene	37338	0.292%	<11	0.126%	Not Significant
Huntingdon	45686	0.357%	<11	0.503%	Not Significant
Indiana	86551	0.677%	<11	0.629%	Not Significant
Jefferson	44258	0.346%	<11	0.881%	Significant (0.05)
Juniata	24448	0.191%	<11	0.126%	Not Significant
Lackawanna	211960	1.657%	20	2.516%	Not Significant
Lancaster	536494	4.194%	13	1.635%	Significant (0.001)
Lawrence	88231	0.69%	<11	0.503%	Not Significant
Lebanon	137616	1.076%	<11	1.006%	Not Significant
Lehigh	360774	2.821%	11	1.384%	Significant (0.05)
Luzerne	318222	2.488%	20	2.516%	Not Significant
Lycoming	115398	0.902%	13	1.635%	Significant (0.05)
McKean	42070	0.329%	<11	0.503%	Not Significant
Mercer	113623	0.888%	24	3.019%	Significant (0.001)
Mifflin	46452	0.363%	<11	0.126%	Not Significant
Monroe	167306	1.308%	<11	1.006%	Not Significant
Montgomery	818677	6.401%	21	2.642%	Significant (0.001)
Montour	18302	0.143%	<11	0.252%	Not Significant
Northampton	300941	2.353%	<11	1.006%	Significant (0.05)
Northumberland	93038	0.727%	<11	0.629%	Not Significant
Out of State	<11	0%	<11	0.503%	Significant (0.001)
Perry	45878	0.359%	<11	0.126%	Not Significant
Philadelphia	1569657	12.272%	104	13.082%	Not Significant
Pike	55687	0.435%	<11	0.755%	Not Significant
Potter	17070	0.133%	<11	0.126%	Not Significant
Schuylkill	144287	1.128%	19	2.39%	Significant (0.01)

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Snyder	40570	0.317%	<11	0.126%	Not Significant
Somerset	75619	0.591%	<11	0.755%	Not Significant
Susquehanna	41716	0.326%	<11	0.126%	Not Significant
Tioga	41550	0.325%	<11	0.252%	Not Significant
Venango	52880	0.413%	<11	1.006%	Significant (0.05)
Warren	40345	0.315%	<11	0.377%	Not Significant
Washington	207661	1.624%	<11	0.755%	Not Significant
Wayne	51656	0.404%	<11	0.503%	Not Significant
Westmoreland	356835	2.79%	35	4.403%	Significant (0.01)
Wyoming	27760	0.217%	<11	0.126%	Not Significant
York	442216	3.457%	19	2.39%	Not Significant

County of Origin for New Patients between January 1, 2018 and December 31, 2018, 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
Armstrong	66737	0.522%	<11	0.585%	Not Significant
Beaver	168161	1.315%	<11	0.292%	Not Significant
Berks	415500	3.249%	13	3.801%	Not Significant
Blair	124736	0.975%	<11	2.632%	Significant (0.01)
Bradford	61546	0.481%	<11	0.585%	Not Significant
Bucks	626486	4.898%	<11	0.585%	Significant (0.001)
Butler	185984	1.454%	<11	2.339%	Not Significant
Cambria	135871	1.062%	15	4.386%	Significant (0.001)
Carbon	63987	0.5%	<11	1.17%	Not Significant
Centre	160646	1.256%	<11	0.585%	Not Significant
Chester	514652	4.024%	<11	0.877%	Significant (0.01)
Clarion	38747	0.303%	<11	1.462%	Significant (0.001)
Clearfield	80539	0.63%	11	3.216%	Significant (0.001)
Columbia	66615	0.521%	<11	2.632%	Significant (0.001)
Crawford	86847	0.679%	<11	1.754%	Significant (0.05)
Cumberland	245801	1.922%	<11	1.462%	Not Significant
Dauphin	273329	2.137%	15	4.386%	Significant (0.01)
Delaware	563384	4.405%	<11	0.877%	Significant (0.01)
Erie	277794	2.172%	15	4.386%	Significant (0.01)
Fayette	133160	1.041%	<11	1.462%	Not Significant
Forest	7388	0.058%	<11	0.877%	Significant (0.001)
Franklin	153003	1.196%	<11	1.754%	Not Significant
Huntingdon	45686	0.357%	<11	0.585%	Not Significant
Indiana	86551	0.677%	<11	0.585%	Not Significant
Jefferson	44258	0.346%	<11	1.754%	Significant (0.001)

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Lackawanna	211960	1.657%	17	4.971%	Significant (0.001)
Lancaster	536494	4.194%	<11	2.047%	Not Significant
Lawrence	88231	0.69%	<11	0.585%	Not Significant
Lebanon	137616	1.076%	<11	1.754%	Not Significant
Lehigh	360774	2.821%	<11	1.462%	Not Significant
Luzerne	318222	2.488%	19	5.556%	Significant (0.001)
Lycoming	115398	0.902%	<11	2.047%	Not Significant
McKean	42070	0.329%	<11	1.17%	Significant (0.05)
Mercer	113623	0.888%	18	5.263%	Significant (0.001)
Mifflin	46452	0.363%	<11	0.292%	Not Significant
Monroe	167306	1.308%	<11	0.585%	Not Significant
Montgomery	818677	6.401%	<11	1.17%	Significant (0.001)
Montour	18302	0.143%	<11	0.292%	Not Significant
Northampton	300941	2.353%	<11	1.462%	Not Significant
Northumberland	93038	0.727%	<11	1.462%	Not Significant
Perry	45878	0.359%	<11	0.292%	Not Significant
Philadelphia	1569657	12.272%	<11	0.292%	Significant (0.001)
Pike	55687	0.435%	<11	0.585%	Not Significant
Schuylkill	144287	1.128%	19	5.556%	Significant (0.001)
Snyder	40570	0.317%	<11	0.292%	Not Significant
Somerset	75619	0.591%	<11	0.877%	Not Significant
Tioga	41550	0.325%	<11	0.585%	Not Significant
Venango	52880	0.413%	<11	1.754%	Significant (0.001)
Warren	40345	0.315%	<11	0.877%	Not Significant
Wayne	51656	0.404%	<11	0.877%	Not Significant
Westmoreland	356835	2.79%	29	8.48%	Significant (0.001)
Wyoming	27760	0.217%	<11	0.292%	Not Significant
York	442216	3.457%	<11	2.339%	Not Significant

County of Origin for New Patients between January 1, 2018 and December 31, 2018, 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	1229605	9.613%	111	25.814%	Significant (0.001)
Armstrong	66737	0.522%	<11	0.233%	Not Significant
Bedford	48891	0.382%	<11	0.233%	Not Significant
Berks	415500	3.249%	<11	2.093%	Not Significant
Blair	124736	0.975%	<11	0.233%	Not Significant
Bradford	61546	0.481%	<11	0.93%	Not Significant
Bucks	626486	4.898%	11	2.558%	Significant (0.05)
Cambria	135871	1.062%	<11	0.465%	Not Significant
Centre	160646	1.256%	<11	0.698%	Not Significant
Chester	514652	4.024%	<11	0.93%	Significant (0.01)
Clarion	38747	0.303%	<11	0.465%	Not Significant
Clearfield	80539	0.63%	<11	0.233%	Not Significant
Clinton	39321	0.307%	<11	0.233%	Not Significant
Columbia	66615	0.521%	<11	0.233%	Not Significant
Crawford	86847	0.679%	<11	0.465%	Not Significant
Cumberland	245801	1.922%	<11	1.86%	Not Significant
Dauphin	273329	2.137%	<11	1.395%	Not Significant
Delaware	563384	4.405%	25	5.814%	Not Significant
Elk	30781	0.241%	<11	0.698%	Not Significant
Erie	277794	2.172%	<11	1.628%	Not Significant
Fayette	133160	1.041%	<11	1.86%	Not Significant
Franklin	153003	1.196%	11	2.558%	Significant (0.05)
Greene	37338	0.292%	<11	0.233%	Not Significant
Huntingdon	45686	0.357%	<11	0.233%	Not Significant
Indiana	86551	0.677%	<11	0.698%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Jefferson	44258	0.346%	<11	0.233%	Not Significant
Juniata	24448	0.191%	<11	0.233%	Not Significant
Lackawanna	211960	1.657%	<11	0.698%	Not Significant
Lancaster	536494	4.194%	<11	1.395%	Significant (0.01)
Lawrence	88231	0.69%	<11	0.465%	Not Significant
Lebanon	137616	1.076%	<11	0.465%	Not Significant
Lehigh	360774	2.821%	<11	1.395%	Not Significant
Luzerne	318222	2.488%	<11	0.233%	Significant (0.01)
Lycoming	115398	0.902%	<11	1.395%	Not Significant
Mercer	113623	0.888%	<11	1.395%	Not Significant
Monroe	167306	1.308%	<11	1.395%	Not Significant
Montgomery	818677	6.401%	17	3.953%	Significant (0.05)
Montour	18302	0.143%	<11	0.233%	Not Significant
Northampton	300941	2.353%	<11	0.465%	Significant (0.05)
Out of State	<11	0%	<11	0.93%	Significant (0.001)
Philadelphia	1569657	12.272%	103	23.953%	Significant (0.001)
Pike	55687	0.435%	<11	0.93%	Not Significant
Potter	17070	0.133%	<11	0.233%	Not Significant
Somerset	75619	0.591%	<11	0.698%	Not Significant
Susquehanna	41716	0.326%	<11	0.233%	Not Significant
Venango	52880	0.413%	<11	0.465%	Not Significant
Washington	207661	1.624%	<11	1.395%	Not Significant
Wayne	51656	0.404%	<11	0.233%	Not Significant
Westmoreland	356835	2.79%	<11	1.395%	Not Significant
York	442216	3.457%	11	2.558%	Not Significant

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, 2018

Diagnosis	Psychiatric							Forensic			Long Term	S RTP	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	13	<11	<11	31	<11	<11	<11	<11	<11	45
Behavioural syndromes associated with physiological disturbances and physical factors	<11	<11	<11	<11	<11	<11	19	<11	<11	<11	<11	<11	20
Disorders of adult personality and behaviour	22	27	<11	56	26	64	201	27	15	42	17	44	304
Disorders of psychological development	<11	<11	<11	<11	<11	<11	24	<11	<11	<11	<11	<11	33
Intellectual disability	<11	13	<11	<11	<11	20	53	22	<11	28	<11	<11	94
Mood (affective) disorders	29	18	<11	31	26	31	141	33	27	60	57	20	278
Neurotic, stress-related, and somatoform disorders	26	29	<11	27	14	23	121	<11	<11	<11	40	<11	180
Organic, including symptomatic, mental disorders	15	14	<11	<11	<11	18	62	<11	<11	17	91	<11	170
Other mental disorder	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizophrenia, schizotypal, and delusional disorders	134	131	21	102	111	208	707	180	87	267	95	<11	1,069
Severe cranial injury, including concussion and TBI	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	11
Substance use disorder	58	55	<11	74	52	69	314	58	58	116	46	<11	478

This table is a census of all patients in the state hospital system taken on December 31, 2018, 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, 2018

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	16	<11	<11	<11	<11	<11	25
Diseases of the blood and blood-forming organs, and certain disorders involving the immune mechanism	27	27	<11	24	13	31	126	<11	12	15	31	12	184
Diseases of the central nervous system	57	41	<11	46	15	51	218	19	21	40	87	25	370
Diseases of the circulatory system	73	68	<11	61	37	109	357	68	34	102	62	<11	525
Diseases of the digestive system	107	97	18	102	72	157	553	45	58	103	93	44	793
Diseases of the genitourinary system	53	22	<11	51	23	45	198	13	17	30	39	<11	276
Diseases of the musculoskeletal system and connective tissue	49	54	<11	49	28	63	251	18	22	40	70	20	381
Diseases of the respiratory system	57	51	<11	37	24	67	239	20	18	38	32	44	353
Diseases of the skin and subcutaneous tissue	26	25	<11	28	16	29	126	<11	14	20	26	27	199
Disorders of sensory organs	24	87	<11	20	<11	50	195	18	11	29	33	13	270
Endocrine, nutritional, and metabolic diseases	152	125	22	135	104	205	743	72	93	165	89	54	1,051
Infectious and parasitic diseases	14	14	<11	<11	11	20	68	15	<11	19	20	<11	109
Neoplasms	11	<11	<11	<11	<11	16	44	<11	<11	<11	<11	<11	56
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	12	35	<11	<11	<11	<11	67	<11	<11	<11	18	<11	97
Pregnancy, childbirth, and the puerperium	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Specific signs and symptoms	88	61	14	72	81	128	444	29	27	56	117	29	646

This table is a census of all patients in the state hospital system taken on December 31, 2018, 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, 2018

Substance	Psychiatric							Forensic			Long Term	S RTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Alcohol	18	26	<11	40	12	21	118	18	42	60	29	<11	207
Amphetamines	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Cannabinoids	<11	13	<11	12	<11	<11	39	<11	15	25	<11	<11	71
Cocaine	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	23
Hallucinogens	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Opioids	<11	<11	<11	<11	<11	<11	19	<11	<11	<11	<11	<11	29
Other drug dependence	11	19	<11	25	<11	22	89	34	<11	41	15	<11	146
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	42	<11	<11	46	44	37	176	<11	<11	<11	<11	<11	193

This table is a census of all patients diagnosed with a substance use disorder in the state hospital system taken on December 31, 2018, separated by facility, level of care, and substance.

Appendix

Glossary of Terms

- Level of Care
 - PS: Psychiatric Care; a.k.a. Civil Units
 - FO: Forensic Care
 - LT: Long Term Care
 - SRTP: Sexual Responsibility and Treatment Program (Act-21)
- 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)
 - These data are extracted from the State Facility Tracking System and provided to us by the PA Dept. of Human Services. 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 2019.

Methodology

- Null/Missing County Data
 - 12.14% 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.