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 2016 – December 2016

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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, 2016 and December 31, 2016

Month	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Jan. 2016	199	160	65	183	143	256	1006	186	101	287	154	51	1498
Feb. 2016	199	160	65	186	145	258	1013	188	98	286	155	51	1505
Mar. 2016	197	157	65	183	146	259	1007	189	104	293	155	51	1506
Apr. 2016	197	159	63	180	146	256	1001	189	103	292	153	51	1497
May 2016	200	157	60	180	146	251	994	189	100	289	154	51	1488
Jun. 2016	203	160	59	181	142	253	998	196	103	299	150	53	1500
Jul. 2016	198	157	59	179	142	257	992	194	103	297	150	52	1491
Aug. 2016	197	160	54	178	144	258	991	188	104	292	149	52	1484
Sep. 2016	198	157	54	174	143	262	988	190	104	294	146	52	1480
Oct. 2016	198	161	52	169	144	261	985	193	103	296	144	52	1477
Nov. 2016	194	156	54	169	145	261	979	198	102	300	145	52	1476
Dec. 2016	189	159	53	166	144	262	973	198	105	303	145	52	1473

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, 2016 and December 31, 2016

Process	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Admissions	79	81	12	82	77	74	405	121	163	284	17	<11	709
Discharges	87	83	24	97	75	67	433	111	161	272	26	<11	732

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, 2016

Age	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Census	189	159	53	166	144	262	973	198	105	303	145	52	1473
< 21	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11

Age	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
> 21	189	158	53	164	143	259	966	197	103	300	145	52	1463
30-39	22	22	15	32	21	34	146	34	27	61	<11	13	221
40-49	29	23	<11	22	17	22	117	43	19	62	<11	<11	186
50-59	55	45	16	51	45	71	283	45	14	59	24	<11	366
60-69	54	37	17	45	30	66	249	28	20	48	53	<11	350
70-79	22	13	<11	<11	14	24	84	11	<11	16	42	<11	142
80-89	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	21	<11	27
90-99	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
> 65	49	25	<11	28	28	46	182	18	13	31	89	<11	302

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, 2016

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	16
Black Hispanic	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Black Non-Hispanic	<11	19	13	21	17	29	109	121	33	154	33	<11	298
White Hispanic	<11	<11	<11	<11	<11	28	47	17	<11	17	<11	<11	68
White Non-Hispanic	171	132	38	142	119	198	800	53	70	123	108	48	1079
Other	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Female	70	69	22	71	58	101	391	22	21	43	61	<11	495
Male	119	90	31	95	86	161	582	176	84	260	84	52	978

Race and Gender for Patients Discharged between January 1, 2016 and December 31, 2016

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

Race and Gender	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Black Non-Hispanic	<11	<11	11	<11	<11	<11	44	68	76	144	<11	<11	192
White Hispanic	<11	<11	<11	<11	<11	<11	11	<11	<11	11	<11	<11	22
White Non-Hispanic	83	71	11	85	64	58	372	31	80	111	22	<11	506
Other	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Female	37	38	<11	40	36	29	186	23	38	61	14	<11	261
Male	50	45	18	57	39	38	247	88	123	211	12	<11	471

Commitment Type of Patients in the State Hospital System as of December 31, 2016, 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	84	<11	<11	<11	84
1	For use by Restoration Centers and SNF Units of State Mental Hospitals.	<11	<11	<11	59	<11	<11	<11	59
21	ACT 21 SRTP Commitment	<11	<11	<11	<11	52	<11	<11	52
2300	Voluntary admission of an adult.	<11	<11	<11	<11	<11	<11	<11	14
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	20	23
3700	Involuntary commitment of a person currently receiving treatment in a psychiatric service other than a State Mental Hospital.	122	77	13	<11	102	109	77	501
3800	Involuntary commitment of a person found not guilty by reason of insanity.	<11	<11	<11	<11	<11	<11	<11	13
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	15
4000	Extended involuntary commitment.	34	74	24	<11	54	28	121	335
4030	Hearing/Determination of Incompetency to Proceed/Stay/Dismiss	<11	<11	<11	<11	<11	<11	<11	<11
406	Civil Court Commitment	<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	12
7000	Involuntary commitment for up to 60 days of a person found incompetent to stand trial who is not mentally disabled.	<11	<11	151	<11	73	<11	<11	225
7500	Involuntary commitment for examination of a person convicted of a crime as an aid in sentencing.	<11	<11	12	<11	<11	<11	<11	17
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	16	<11	16	<11	<11	52
8300	Extended involuntary commitment of a person charged with or convicted of a criminal offense, including a person on probation or parole.	<11	<11	13	<11	<11	<11	<11	23

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, 2016, Section of the Law

Commitment Code	CLA	DAN	NOR	SOU	TOR	WAR	WER	Total
201b	<11	<11	<11	<11	<11	<11	<11	22
21	0	<11	<11	<11	52	<11	<11	52
304	138	83	34	<11	124	113	129	622
305	37	75	46	<11	61	28	127	374
402b	0	<11	151	<11	73	<11	<11	225
405	0	<11	12	<11	<11	<11	<11	17
406	<11	<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, 2016

Veteran Status	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Non-Veteran	182	155	53	162	144	262	958	196	97	293	139	52	1,442
Veteran	<11	<11	<11	<11	<11	<11	15	<11	<11	<11	<11	<11	31

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, 2016

Level of Education	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Never in school	<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	13	<11	<11	<11	<11	<11	23
Ninth Grade	<11	<11	<11	<11	<11	<11	29	<11	<11	<11	<11	<11	34
Tenth Grade	<11	11	<11	<11	<11	18	39	<11	<11	<11	<11	<11	58
Eleventh Grade	<11	13	<11	<11	<11	16	45	<11	<11	<11	<11	<11	57
Twelfth Grade	41	78	<11	101	<11	88	319	<11	56	60	30	44	453
First Year College	<11	<11	<11	<11	<11	<11	23	<11	<11	<11	<11	<11	30
Second Year College	<11	13	<11	<11	<11	<11	28	<11	<11	<11	<11	<11	39
Third Year College	<11	<11	<11	<11	<11	<11	12	<11	<11	<11	<11	<11	14
Fourth Year College	<11	13	<11	<11	<11	<11	34	<11	<11	<11	<11	<11	45
Special Education (inc. persons presently enrolled)	<11	<11	<11	<11	<11	11	12	<11	<11	<11	<11	<11	21
Attended school but never completed grade	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11

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 54.8% 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, 2016

Marital Status	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Divorced	24	39	<11	26	20	34	145	<11	<11	20	43	<11	208
Married	<11	<11	<11	<11	<11	<11	36	14	<11	23	13	<11	72
Separated	<11	<11	<11	<11	<11	<11	27	<11	<11	<11	<11	<11	38
Single	148	110	46	127	105	161	697	155	78	233	72	51	1,053
Widowed	<11	<11	<11	<11	<11	<11	19	<11	<11	<11	14	<11	38

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 95.7% 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, 2016

Employment Status	Psychiatric							Forensic			Long Term	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	Total
Employed - Part-Time (Sheltered workshop - Competitive)	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Retired	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	15	23
Unemployed - (includes not gainfully employed)	<11	148	<11	<11	108	17	288	<11	16	25	71	384

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 27.7% of data have valid entries for employment status. Invalid entries have been filtered out.

Length of Stay for Patients Discharged between January 1, 2016 and December 31, 2016

LOS				Psychiatric					Forensic		Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
< 6 months	23	19	<11	29	28	<11	106	36	99	135	<11	<11	244
< 12 months	40	42	<11	53	46	21	205	58	139	197	<11	<11	405
< 2 Years	56	52	<11	69	59	31	271	73	155	228	<11	<11	505
< 3 Years	59	59	<11	80	68	41	314	80	157	237	<11	<11	559
< 4 Years	62	63	<11	86	71	44	336	90	158	248	11	<11	595
< 5 Years	68	65	11	88	71	46	349	99	158	257	16	<11	622
< 10 Years	75	75	18	94	74	57	393	110	161	271	24	<11	689
< 15 Years	81	80	21	94	75	62	413	111	161	272	24	<11	710
< 20 Years	82	80	21	95	75	63	416	111	161	272	24	<11	713
< 25 Years	83	81	21	96	75	64	420	111	161	272	25	<11	718
< 30 Years	85	82	23	96	75	65	426	111	161	272	25	<11	724
< 40 Years	85	82	23	97	75	65	427	111	161	272	26	<11	726
< 50 Years	86	82	24	97	75	65	429	111	161	272	26	<11	728

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.
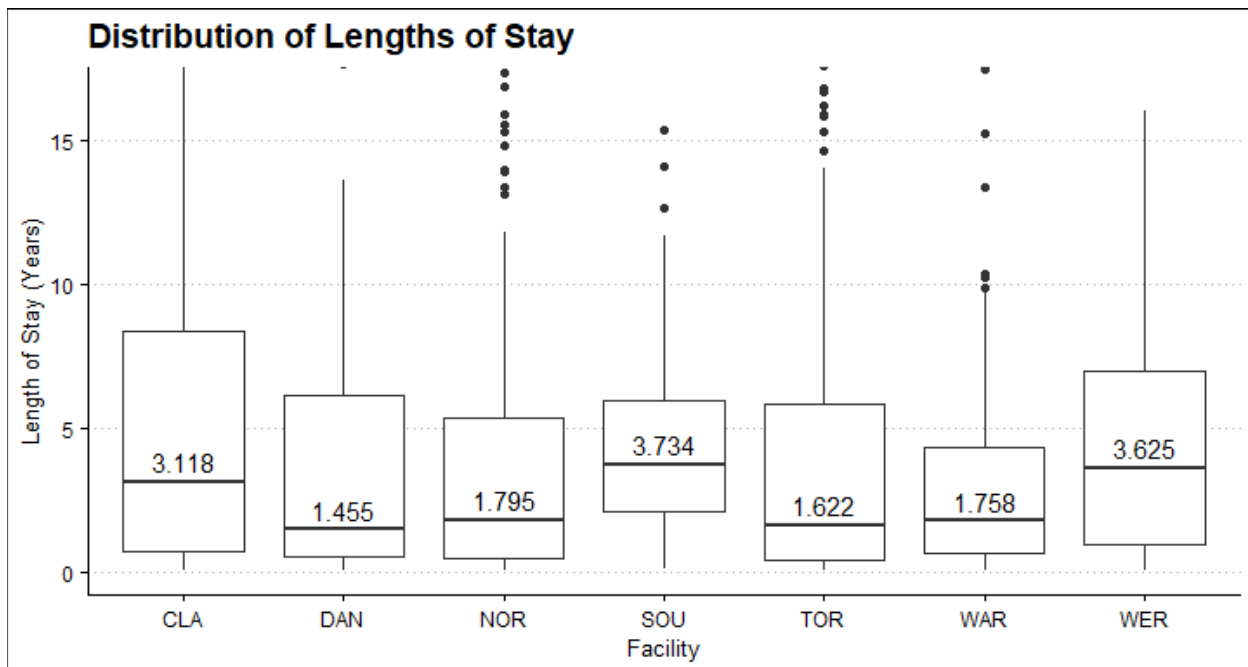
Distributions and Mean Lengths of Stay

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, 2016

Measure	Psychiatric						Forensic		Long Term	SRTP
	CLA	DAN	NOR	TOR	WAR	WER	NOR	TOR	SOU	TOR
Mean	6.05	4.54	8.61	5.5	4.55	5.63	3.52	1.03	4.78	5.7
Median	3.12	1.45	3.96	2.75	1.76	3.62	1.27	0.39	3.73	5.05

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

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2016, All Levels of Care

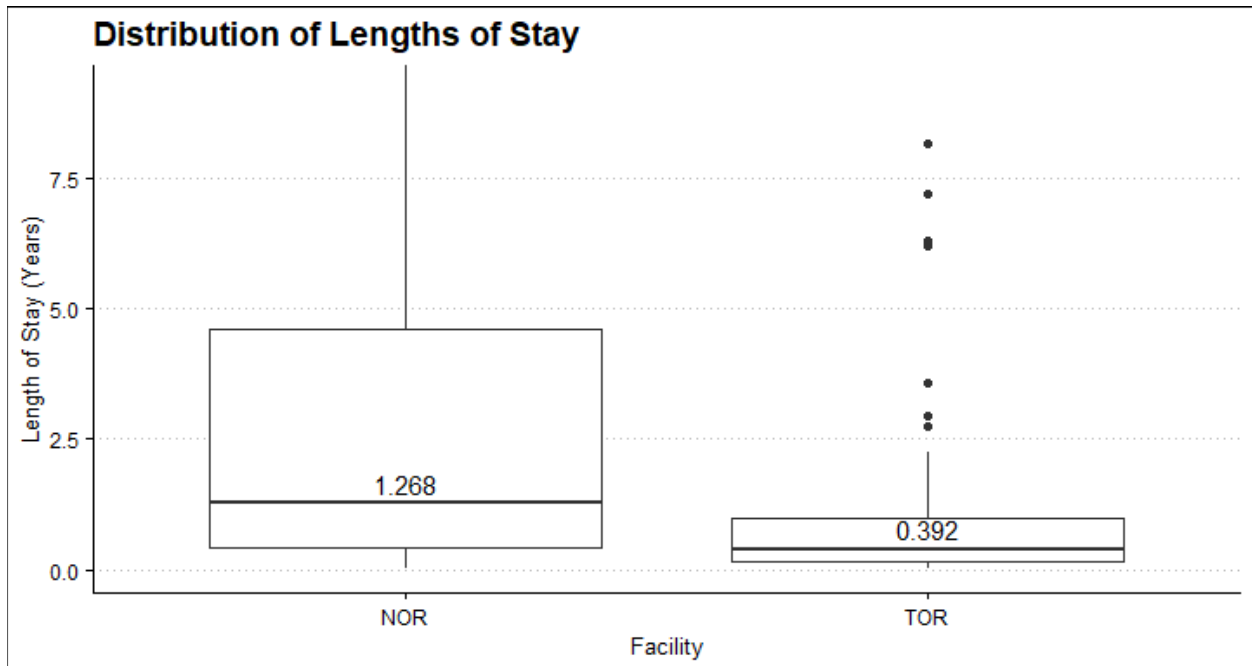This plot displays the distribution of lengths of stay for patients in all levels of care using a boxplot. Please note that any values above 16.7 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

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
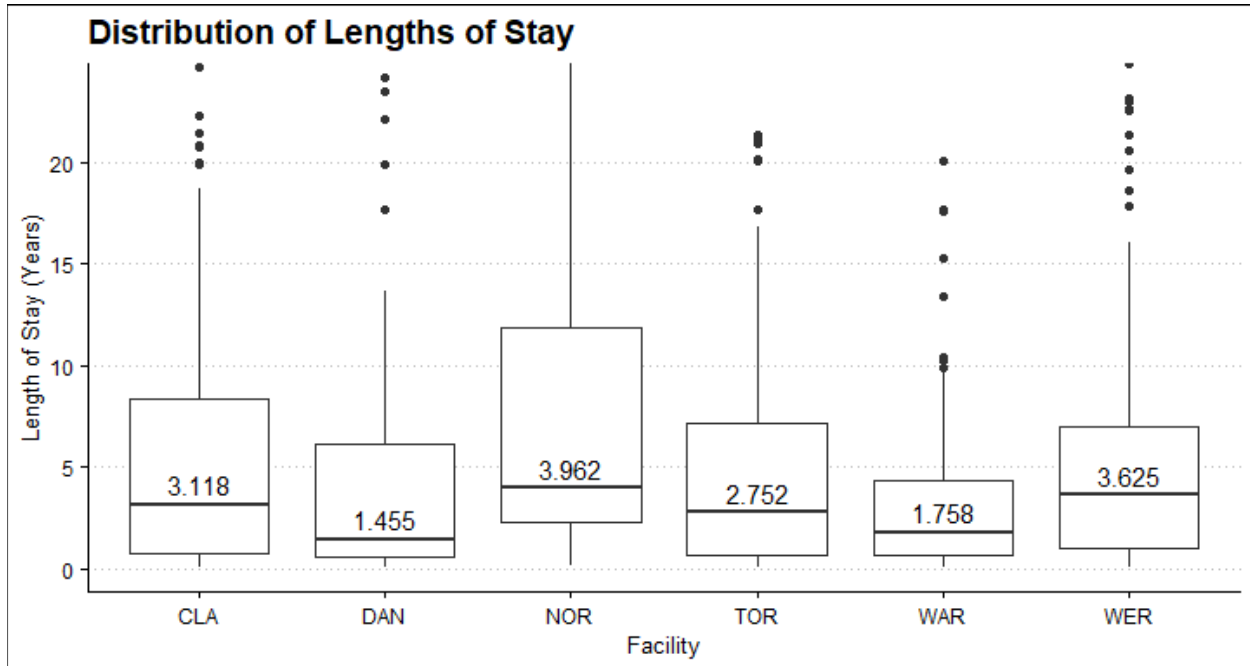
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median for CLA on this plot is approximately 3.118 years, the first quartile is 0.701 years, and the third quartile is 8.353 years. On a box plot, 25% of the data fits between each quartile. Therefore, for CLA on this plot, 25% of the lengths of stay at CLA are below 0.701 years, 25% of lengths of stay are between 0.701 years and 3.118 years, 25% are between 3.118 years and 8.353 years, and 25% are above 8.353 years.

Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2016, 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 9.2 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, 2016, 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 23.6 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

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Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2016, Long Term Care
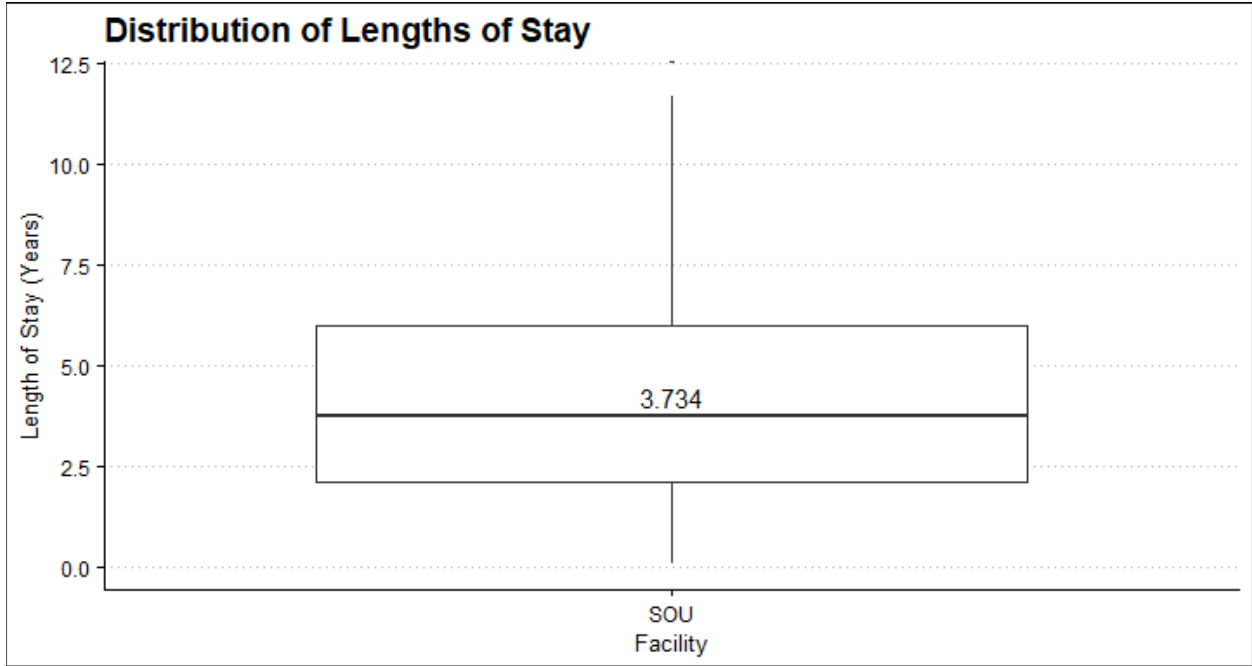

This plot displays the distribution of lengths of stay for patients in long term care using a boxplot. The lower and upper ends of the box represent the first and third quartiles, respectively, while the line through the middle of the box represents the median (labeled). Please note that any values above 11.9 years (twice the greatest third quartile) are not displayed (this has no effect on the distribution).

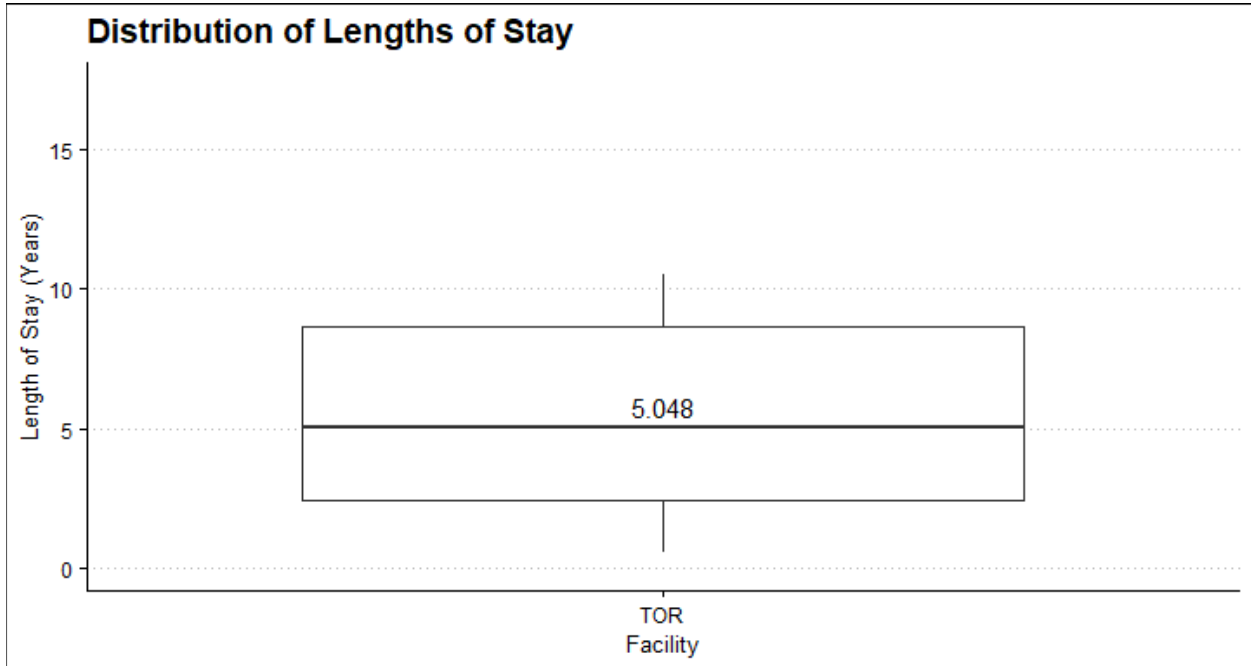# Distribution of Lengths of Stay of Patients in the State Hospital System as of December 31, 2016, Sexual Responsibility and Treatment Program

Distribution of Lengths of Stay

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 17.3 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, 2016 and December 31, 2016, 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	1231145	9.634%	93	13.117%	Significant (0.01)
Armstrong	67979	0.532%	<11	0.564%	Not Significant
Beaver	169785	1.329%	<11	0.141%	Significant (0.01)
Bedford	49086	0.384%	<11	0.141%	Not Significant
Berks	413965	3.239%	26	3.667%	Not Significant
Blair	126448	0.989%	<11	1.41%	Not Significant
Bradford	62228	0.487%	<11	0.423%	Not Significant
Bucks	626583	4.903%	<11	0.705%	Significant (0.001)
Butler	185689	1.453%	19	2.68%	Significant (0.05)
Cambria	139381	1.091%	12	1.693%	Not Significant
Carbon	64634	0.506%	<11	0.564%	Not Significant
Centre	157823	1.235%	<11	0.987%	Not Significant
Chester	509797	3.989%	<11	0.282%	Significant (0.001)
Clarion	39454	0.309%	<11	0.564%	Not Significant
Clearfield	81343	0.637%	<11	1.128%	Not Significant
Clinton	39614	0.31%	<11	0.141%	Not Significant
Columbia	66912	0.524%	<11	1.128%	Significant (0.05)
Crawford	87343	0.683%	<11	0.846%	Not Significant
Cumberland	241427	1.889%	<11	0.987%	Not Significant
Dauphin	271094	2.121%	21	2.962%	Not Significant
Delaware	561683	4.395%	21	2.962%	Not Significant
Elk	31370	0.245%	<11	0.141%	Not Significant
Erie	279858	2.19%	27	3.808%	Significant (0.01)
Fayette	134851	1.055%	<11	0.987%	Not Significant
Franklin	152285	1.192%	22	3.103%	Significant (0.001)

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Huntingdon	45906	0.359%	<11	0.282%	Not Significant
Indiana	87895	0.688%	<11	0.846%	Not Significant
Jefferson	44756	0.35%	<11	0.987%	Significant (0.05)
Lackawanna	213459	1.67%	33	4.654%	Significant (0.001)
Lancaster	530216	4.149%	24	3.385%	Not Significant
Lawrence	89162	0.698%	<11	0.141%	Not Significant
Lebanon	135776	1.062%	<11	0.987%	Not Significant
Lehigh	356756	2.792%	15	2.116%	Not Significant
Luzerne	320095	2.505%	28	3.949%	Significant (0.05)
Lycoming	116656	0.913%	18	2.539%	Significant (0.001)
McKean	42884	0.336%	<11	0.282%	Not Significant
Mercer	115320	0.902%	22	3.103%	Significant (0.001)
Mifflin	46675	0.365%	<11	0.141%	Not Significant
Monroe	167881	1.314%	12	1.693%	Not Significant
Montgomery	812970	6.361%	32	4.513%	Not Significant
Montour	18508	0.145%	<11	0.423%	Not Significant
Northampton	299616	2.344%	<11	1.128%	Significant (0.05)
Northumberland	94006	0.736%	<11	1.128%	Not Significant
Out of State	<11	0%	<11	0.282%	Significant (0.001)
Philadelphia	1555072	12.168%	47	6.629%	Significant (0.001)
Pike	56632	0.443%	<11	0.705%	Not Significant
Potter	17377	0.136%	<11	0.141%	Not Significant
Schuylkill	146360	1.145%	14	1.975%	Not Significant
Snyder	40046	0.313%	<11	0.423%	Not Significant
Somerset	76617	0.6%	<11	1.41%	Significant (0.05)
Susquehanna	42369	0.332%	<11	0.282%	Not Significant
Tioga	42284	0.331%	<11	0.564%	Not Significant
Union	44958	0.352%	<11	0.564%	Not Significant

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Venango	53906	0.422%	<11	0.705%	Not Significant
Warren	40962	0.321%	<11	1.269%	Significant (0.001)
Washington	208226	1.629%	<11	0.705%	Not Significant
Westmoreland	361251	2.827%	30	4.231%	Significant (0.05)
York	439660	3.44%	19	2.68%	Not Significant

County of Origin for New Patients between January 1, 2016 and December 31, 2016, 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	1231145	9.634%	<11	0.247%	Significant (0.001)
Armstrong	67979	0.532%	<11	0.988%	Not Significant
Berks	413965	3.239%	17	4.198%	Not Significant
Blair	126448	0.989%	<11	1.975%	Not Significant
Bradford	62228	0.487%	<11	0.494%	Not Significant
Bucks	626583	4.903%	<11	0.247%	Significant (0.001)
Butler	185689	1.453%	16	3.951%	Significant (0.001)
Cambria	139381	1.091%	12	2.963%	Significant (0.001)
Carbon	64634	0.506%	<11	0.741%	Not Significant
Centre	157823	1.235%	<11	1.728%	Not Significant
Chester	509797	3.989%	<11	0.247%	Significant (0.001)
Clarion	39454	0.309%	<11	0.741%	Not Significant
Clearfield	81343	0.637%	<11	1.975%	Significant (0.01)
Clinton	39614	0.31%	<11	0.247%	Not Significant
Columbia	66912	0.524%	<11	1.728%	Significant (0.01)
Crawford	87343	0.683%	<11	1.235%	Not Significant
Cumberland	241427	1.889%	<11	0.741%	Not Significant
Dauphin	271094	2.121%	18	4.444%	Significant (0.01)
Erie	279858	2.19%	22	5.432%	Significant (0.001)
Fayette	134851	1.055%	<11	0.988%	Not Significant
Franklin	152285	1.192%	<11	1.728%	Not Significant
Huntingdon	45906	0.359%	<11	0.247%	Not Significant
Indiana	87895	0.688%	<11	1.235%	Not Significant
Jefferson	44756	0.35%	<11	1.481%	Significant (0.001)
Lackawanna	213459	1.67%	31	7.654%	Significant (0.001)

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Lancaster	530216	4.149%	19	4.691%	Not Significant
Lebanon	135776	1.062%	<11	1.728%	Not Significant
Lehigh	356756	2.792%	12	2.963%	Not Significant
Luzerne	320095	2.505%	24	5.926%	Significant (0.001)
Lycoming	116656	0.913%	12	2.963%	Significant (0.001)
McKean	42884	0.336%	<11	0.494%	Not Significant
Mercer	115320	0.902%	19	4.691%	Significant (0.001)
Mifflin	46675	0.365%	<11	0.247%	Not Significant
Monroe	167881	1.314%	<11	2.222%	Not Significant
Montgomery	812970	6.361%	<11	1.728%	Significant (0.001)
Montour	18508	0.145%	<11	0.741%	Significant (0.05)
Northampton	299616	2.344%	<11	1.481%	Not Significant
Northumberland	94006	0.736%	<11	1.975%	Significant (0.01)
Out of State	<11	0%	<11	0.494%	Significant (0.001)
Philadelphia	1555072	12.168%	<11	0.494%	Significant (0.001)
Pike	56632	0.443%	<11	0.741%	Not Significant
Potter	17377	0.136%	<11	0.247%	Not Significant
Schuylkill	146360	1.145%	13	3.21%	Significant (0.001)
Snyder	40046	0.313%	<11	0.494%	Not Significant
Somerset	76617	0.6%	<11	1.728%	Significant (0.01)
Susquehanna	42369	0.332%	<11	0.247%	Not Significant
Tioga	42284	0.331%	<11	0.494%	Not Significant
Union	44958	0.352%	<11	0.741%	Not Significant
Venango	53906	0.422%	<11	1.235%	Significant (0.05)
Warren	40962	0.321%	<11	1.728%	Significant (0.001)
Westmoreland	361251	2.827%	26	6.42%	Significant (0.001)
York	439660	3.44%	<11	2.222%	Not Significant

County of Origin for New Patients between January 1, 2016 and December 31, 2016, 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	1231145	9.634%	91	32.042%	Significant (0.001)
Beaver	169785	1.329%	<11	0.352%	Not Significant
Bedford	49086	0.384%	<11	0.352%	Not Significant
Berks	413965	3.239%	<11	2.817%	Not Significant
Blair	126448	0.989%	<11	0.704%	Not Significant
Bradford	62228	0.487%	<11	0.352%	Not Significant
Bucks	626583	4.903%	<11	1.408%	Significant (0.01)
Butler	185689	1.453%	<11	1.056%	Not Significant
Carbon	64634	0.506%	<11	0.352%	Not Significant
Chester	509797	3.989%	<11	0.352%	Significant (0.01)
Clarion	39454	0.309%	<11	0.352%	Not Significant
Columbia	66912	0.524%	<11	0.352%	Not Significant
Crawford	87343	0.683%	<11	0.352%	Not Significant
Cumberland	241427	1.889%	<11	0.704%	Not Significant
Dauphin	271094	2.121%	<11	1.056%	Not Significant
Delaware	561683	4.395%	21	7.394%	Significant (0.05)
Elk	31370	0.245%	<11	0.352%	Not Significant
Erie	279858	2.19%	<11	1.761%	Not Significant
Fayette	134851	1.055%	<11	1.056%	Not Significant
Franklin	152285	1.192%	<11	1.761%	Not Significant
Huntingdon	45906	0.359%	<11	0.352%	Not Significant
Indiana	87895	0.688%	<11	0.352%	Not Significant
Jefferson	44756	0.35%	<11	0.352%	Not Significant
Lackawanna	213459	1.67%	<11	0.704%	Not Significant
Lancaster	530216	4.149%	<11	1.056%	Significant (0.05)

County	Total Population	County's Proportion of State Population	Number of Patients	Percent of Total Patients Admitted	Significance Level
Lawrence	89162	0.698%	<11	0.352%	Not Significant
Lehigh	356756	2.792%	<11	1.056%	Not Significant
Luzerne	320095	2.505%	<11	1.056%	Not Significant
Lycoming	116656	0.913%	<11	2.113%	Not Significant
Mercer	115320	0.902%	<11	1.056%	Not Significant
Monroe	167881	1.314%	<11	1.056%	Not Significant
Montgomery	812970	6.361%	25	8.803%	Not Significant
Northampton	299616	2.344%	<11	0.704%	Not Significant
Philadelphia	1555072	12.168%	44	15.493%	Not Significant
Pike	56632	0.443%	<11	0.704%	Not Significant
Schuylkill	146360	1.145%	<11	0.352%	Not Significant
Snyder	40046	0.313%	<11	0.352%	Not Significant
Somerset	76617	0.6%	<11	0.704%	Not Significant
Susquehanna	42369	0.332%	<11	0.352%	Not Significant
Tioga	42284	0.331%	<11	0.704%	Not Significant
Union	44958	0.352%	<11	0.352%	Not Significant
Warren	40962	0.321%	<11	0.704%	Not Significant
Washington	208226	1.629%	<11	1.761%	Not Significant
Westmoreland	361251	2.827%	<11	1.056%	Not Significant
York	439660	3.44%	<11	3.521%	Not Significant

Census by Diagnosis Type

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, 2016

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	<11	<11	<11	29	<11	<11	<11	<11	<11	41
Behavioural syndromes associated with physiological disturbances and physical factors	<11	<11	<11	<11	<11	<11	15	<11	<11	<11	<11	<11	17
Disorders of adult personality and behaviour	27	26	12	66	21	73	225	27	26	53	18	41	337
Disorders of psychological development	<11	<11	<11	<11	<11	<11	23	<11	<11	<11	<11	<11	31
Intellectual disability	<11	<11	<11	17	<11	24	57	<11	<11	17	11	<11	86
Mood (affective) disorders	19	23	<11	28	27	39	143	24	18	42	57	15	257
Neurotic, stress-related, and somatoform disorders	27	18	<11	31	<11	19	105	<11	<11	14	39	<11	167
Organic, including symptomatic, mental disorders	21	19	<11	<11	13	22	89	<11	<11	13	96	<11	198
Other mental disorder	0	0	0	0	0	0	0	0	0	0	0	0	0
Schizophrenia, schizotypal, and delusional disorders	162	131	42	130	108	216	789	170	87	257	101	<11	1,147
Severe cranial injury, including concussion and TBI	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Substance use disorder	68	43	17	65	39	76	308	57	53	110	53	<11	473

This table is a census of all patients in the state hospital system taken on December 31, 2016, 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, 2016

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	26
Diseases of the blood and blood-forming organs, and certain disorders involving the immune mechanism	25	26	<11	39	13	40	149	13	<11	16	30	<11	205
Diseases of the central nervous system	54	34	<11	46	14	54	211	18	26	44	89	25	369
Diseases of the circulatory system	86	68	14	70	44	111	393	65	23	88	77	<11	563
Diseases of the digestive system	104	98	36	120	69	174	601	62	39	101	90	40	832
Diseases of the genitourinary system	47	19	<11	60	14	52	198	14	<11	24	40	<11	270
Diseases of the musculoskeletal system and connective tissue	52	56	14	46	36	71	275	29	14	43	70	17	405
Diseases of the respiratory system	67	42	<11	36	23	68	246	24	<11	33	41	41	361
Diseases of the skin and subcutaneous tissue	19	24	<11	31	14	39	130	<11	<11	13	23	21	187
Disorders of sensory organs	24	91	12	24	<11	62	218	17	<11	23	40	11	292
Endocrine, nutritional, and metabolic diseases	154	133	44	161	115	215	822	82	82	164	94	49	1,129
Infectious and parasitic diseases	17	17	<11	12	<11	31	87	27	<11	29	24	<11	142
Neoplasms	<11	<11	<11	12	<11	19	56	<11	<11	<11	<11	<11	72
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	38	<11	<11	<11	12	76	15	<11	18	21	<11	117
Pregnancy, childbirth, and the puerperium	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Specific signs and symptoms	74	72	21	91	74	134	466	32	20	52	124	23	665

This table is a census of all patients in the state hospital system taken on December 31, 2016, 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, 2016

Substance	Psychiatric							Forensic			Long Term	SRTP	System
	CLA	DAN	NOR	TOR	WAR	WER	Total	NOR	TOR	Total	SOU	TOR	Total
Alcohol	22	23	<11	34	<11	20	109	14	34	48	30	<11	187
Amphetamines	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Cannabinoids	<11	<11	<11	15	<11	<11	36	<11	20	22	<11	<11	65
Cocaine	<11	<11	<11	<11	<11	<11	14	<11	<11	<11	<11	<11	28
Hallucinogens	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11	<11
Opioids	<11	<11	<11	<11	<11	<11	14	<11	<11	<11	<11	<11	21
Other drug dependence	14	19	<11	16	<11	23	87	36	12	48	17	<11	153
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	13
Tobacco	50	<11	<11	31	34	50	175	<11	<11	<11	15	<11	198

This table is a census of all patients diagnosed with a substance use disorder in the state hospital system taken on December 31, 2016, 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

    – 16.42% 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.