

Online Supplement

Lee G, Cohen D. Incidences of involuntary psychiatric detentions in 25 US states.
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Table 1. Topics and countries from results of Pubmed query using the search term " 'Commitment of the Mentally Ill/statistics and numerical data' [MeSH]", from inception to November 11, 2019, no language restriction (n=594)

Table 2. Annual Counts of Involuntary Psychiatric Detentions, 25 States, 2011-2018

Table 3. Terms and Data Sources

This supplementary material has been provided by the authors to give readers additional information about their work.

Table 1: Topics and countries of results of Pubmed query using the single search term " 'Commitment of the Mentally Ill/statistics and numerical data' [MeSH]", from inception to November 11, 2019, no language restriction (n=594)

Topics	United States		Other countries ^a	
	n	%	n	%
Reports on involuntary civil psychiatric detention, admission, or inpatient commitment				
Incidence, prevalence	10	10.6	95	19.3
Features of commitment process	10	11.1	25	5.1
Predictors of involuntary status	6	5.9	20	4.1
Clinical, sociodemographic characteristics of involuntary samples	3	1.4	50	10.2
Comparison of involuntary and voluntary samples	3	2.8	22	4.5
Alternatives to, interventions targeting, commitment	0		10	2.0
Stakeholder attitudes; perceived coercion	0		13	2.6
Reports on related topics				
Forensic/criminal commitment, detention, liberation; insane acquitted, not guilty by reason of insanity; sexual offenders	19	18.6	48	9.8
Outpatient commitment, community treatment orders	8	7.8	19	3.9
Aggression; restraint and seclusion; absconding	5	4.9	18	3.7
Psychiatric hospitalization in general	5	4.9	40	8.2
Comments, replies, reviews about any of above topics	12	11.8	54	11.0
Other, unrelated, undetermined	21	20.6	76	15.5
Total	102	100	490	100

Notes to Table. Both authors coded topics and countries by inspecting title, abstract, citation, and/or full text. Totals sum to 592 as countries for 2 publications could not be determined. a. Other countries include, in top 10 ranks: United Kingdom (n=116), Germany (n=45), Denmark (n=37), Netherlands (n=35), Australia (n=28), Norway (n=24), Canada (n=22), Sweden and France (n=16 each), Israel (n=15), Italy (n=14).

Table 2: Annual counts of involuntary psychiatric detentions, 25 states, 2011-2018

State and description/definition of count	Year							
	2011	2012	2013	2014	2015	2016	2017	2018
Alaska								
Commitment proceedings	2,124	2,249	2,579	2,599	2,702	2,827	3,006	3,285
% change from previous year		5.9	14.7	0.8	4.0	4.6	6.3	9.3
% change 2011-2018	54.6							
Arkansas								
Alcoholic and civil commitment	2,623	2,696	2,735	2,678	2,672	2,617	2,819	2,535
% change from previous year		2.8	1.4	-2.1	-0.2	-2.1	7.7	-10.1
% change 2011-2018	-3.3							
California								
Adult 72-hour evaluation and treatment (emergency)	133,913	109,583	139,048	144,397	89,514	136,874	136,116	
Minor 72-hour evaluation and treatment (emergency)	19,960	16,115	23,787	23,215	12,992	18,627	21,679	
Total Adult and Minor	153,873	125,698	162,835	167,612	102,506	155,501	154,795	
% change from previous year		-18.3	29.5	2.9	-38.8	51.7	1.5	
% change 2011-2017	0.6							
Adult & minor >14-day treatment (longer-term)	73,400	55,625	77,990	78,357	29,508	59,809	55,230	
% change from previous year		-24.2	40.2	0.5	-62.3	102.7	-7.6	

State and description/definition of count	Year							
	2011	2012	2013	2014	2015	2016	2017	2018
<i>% change 2011-2017</i>	-24.7							
Colorado								
Adult 72-hour hold (emergency) [persons]			25,680	28,234	24,561	26,910		
Minor 72-hour hold (emergency) [persons]			5,637	7,058	5,030	8,038		
Adult & minor 72-hour hold (emergency) [events]	20,819	28,375	35,469	39,384	32,259	39,271		
<i>% change from previous year</i>		36.3	25.0	11.0	-18.0	21.6		
<i>% change 2011-2016</i>	88.6							
Adult certification (longer-term) [persons]			3,773	3,771	2,822	3,931		
Minor certification (longer-term) [persons]			77	117	58	80		
Adult & minor certification (longer-term) [events]	3,933	4,274	4,687	4,847	3,820	4,904		
<i>% change from previous year</i>		8.7	9.7	3.4	-21.1	28.4		
<i>% change 2011-2016</i>	24.7							
Connecticut								
Adult alcohol/drug dependency and involuntary commitment		1,097	1,152	1,085	1,024	1,100	1,102	
Minor involuntary commitment		13	8	10	3	4	3	
Total Adult and Minor		1,110	1,160	1,095	1,027	1,104	1,105	
<i>% change from previous year</i>			4.5	-5.6	-6.2	7.5	0.1	

State and description/definition of count	Year							
	2011	2012	2013	2014	2015	2016	2017	2018
12(a) arrivals [persons]	46,246	46,728	48,591	45,908	47,064	45,216	47,043	50,459
% change from previous year		0.1	5.0	-5.5	2.5	3.9	4.0	7.3
<i>% change 2011-2018</i>	9.1							
Michigan								
Mental commitments	16,339	16,991	17,017	17,172	17,306	16,946	17,065	19,338
% change from previous year		4.0	0.2	0.9	0.8	-2.1	0.7	13.3
<i>% change 2011-2018</i>	18.3							
Missouri								
96 hours detention for mental health and alcohol/drug (emergency)	11,857	11,862	12,695	11,946	12,117	12,580	13,107	14,357
% change from previous year		0.0	6.7	-5.6	1.4	3.8	4.2	9.5
<i>% change 2011-2018</i>	21.1							
>21 day mental health and alcohol/drug treatment (longer-term)	1,503	1,321	1,502	1,647	1,693	1,681	1,868	1,853
% change from previous year		-12.1	13.7	9.6	2.8	-0.7	11.1	-0.8
<i>% change 2011-2018</i>	23.3							
Montana								
Commitment	1,239	1,230	1,240	1,213	1,295	1,344	1,237	1,166
% change from previous year		-0.7	0.8	-2.2	6.8	3.8	-8.0	-5.7
<i>% change 2011-2018</i>	-5.9							

State and description/definition of count	Year							
	2011	2012	2013	2014	2015	2016	2017	2018
Emergency admissions (emergency) [events]	450	450	422	391	445	450	435	500
% change from previous year		0.0	-6.2	-7.3	13.8	1.1	-3.3	14.9
% change 2012-2018	11.1							
Involuntary admissions (longer-term) [persons]			460	423	485	481	477	537
% change from previous year				-8.0	14.6	-0.8	-0.8	12.6
% change 2013-2018	16.7							
Virginia								
Adult temporary detention (emergency)	20,420	20,059	19,971	21,055	22,804	23,745		
Minor temporary detention (emergency)	1,879	1,647	1,643	1,857	2,208			
Total Adult and Minor	22,299	21,706	21,614	22,912	25,012			
% change from previous year		-2.7	-0.4	6.0	9.2			
% change 2011-2015	12.2							
Adult involuntary commitment (longer-term)	12,407	12,310	12,288	13,392	13,176	13,735	14,054	
% change from previous year		-0.8	-0.2	9.0	-1.6	4.2	2.3	
% change 2011-2017	13.3							
Washington								
72 hour detention (emergency)	8,793	8,685	9,231	9,205				
% change from previous year		-1.2	6.3	-0.3				

State and description/definition of count	Year							
	2011	2012	2013	2014	2015	2016	2017	2018
<i>% change 2011-2014</i>	4.7							
14 day inpatient commitment (longer-term)	4,144	4,200	4,648	4,549				
% change from previous year		1.3	10.7	-2.1				
<i>% change 2011-2014</i>	9.8							
Wisconsin								
Adult mental, alcohol, and drug commitments	15,891	14,982	13,414	12,496	12,056	10,727	10,215	9,793
Minor commitments	162	363	427	527	520	516	641	693
Total Adult and Minor	16,053	15,345	13,841	13,023	12,576	11,243	10,856	10,486
% change from previous year		-4.4	-9.8	-5.9	-3.4	-10.6	-3.4	-3.4
<i>% change 2011-2017</i>	-34.7							

Table 3: Terms and data sources

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
Alaska	"Filings" of "commitment proceedings" in superior courts	Alaska Court System Annual Report. Fiscal years 2011 to 2018. Alaska Court System Administrative Office. http://www.courts.alaska.gov/admin/index.htm#annualrep	8-31-2019
Arkansas	"Filings" of "alcoholic commitment" and "civil commitment" cases in circuit courts	Arkansas Judiciary Annual Summary. Calendar years 2011 to 2018, Office of Research and Justice Statistics - Arkansas Judiciary. https://public.tableau.com/profile/orjs.arcourts#!/vizhome/AR_Annual_Summary_Public_0/Dashboard1	11-22-2019
California	<u>Emergency</u> : "72-hour evaluation and treatment" at public or private mental health facilities <u>Longer-term commitment</u> : "14-day treatment," "additional 14-day treatment," "30-day treatment," and "additional 30-day treatment"	California Involuntary Detentions Data Reports. Fiscal years 2011 to 2017. California Department of Health Care Services. Mental Health and Substance Use Disorder Services Division. http://www.dhcs.ca.gov/services/MH/Pages/InvoluntaryDetention-MH.aspx Reports state that data are collected from each county mental health department and public and private facilities that provide evaluation and treatment within each county. Data from some	1-9-2020

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
		counties (not named) are missing.	
Colorado	<p><u>Emergency</u>: "72-hour hold" in designated mental health facilities</p> <p><u>Longer-term commitment</u>: "Certification" includes "short-term" (not more than 3 months), "extended short-term" (can last an additional 3 months after the initial short-term), "long-term" (cannot exceed 6 months after short-term and extended short-term), and "extended long-term" (can last an additional 6 months after long-term) in designated mental health facilities</p>	<p>A Profile of the State of Colorado's Care and Treatment of People with Mental Illness: Title 27, Article 65 (C.R.S. 27-65-101 et seq.). Fiscal years 2011 to 2016. Colorado Department of Human Services (CDHS), Office of Behavioral Health. https://www.colorado.gov/pacific/cdhs/publications-reports</p> <p>Reports state that data are collected by the Office of Behavioral Health from all facilities licensed to provide "rights-restricted procedures involving individuals with mental illness."</p>	2-12-2020
Connecticut	Cases of "alcohol and drug dependency commitment" and "involuntary commitment" filed in probate courts	<p>Connecticut Probate Courts Biennial Report. Fiscal years 2012 to 2017. Office of the Probate Court Administrator State of Connecticut. http://www.ctprobate.gov/Pages/Annual-Reports.aspx</p> <p>Counts on commitment of minors reported from this</p>	1-9-2020

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
		source were less than 15 throughout the study interval and were not considered separately but included in whole population totals.	
Delaware	"Filings" of "involuntary commitments" cases in superior courts	Annual Report and Statistical Information for the Delaware Judiciary. Fiscal years 2011 to 2018. Administrative Office of the Courts. https://courts.delaware.gov/aoc/annualreports/fy18	11-22-2019
Florida	"Involuntary examination" (72 hours) in public and private facilities	Christy A, Guenther C, Jenkins K, Ringhoff D, Rhode S: The Baker Act, The Florida Mental Health Act, Fiscal Year 2017/2018 Annual Report. Baker Act Reporting Center, Louis de la Parte Florida Mental Health Institute, Department of Mental Health Law and Policy, University of South Florida. https://www.usf.edu/cbcs/baker-act/documents/ba_usf_annual_report_2017_2018.pdf This source calculates slightly higher age-specific population rates (e.g., 1005/100,000 all ages emergency detentions) than the present study (e.g., 966/100,000) because the source's population denominators were obtained from the Florida Office of Economic and Demographic Research, while this study's from the U.S. Census Bureau.	11-22-2019

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
Idaho	"24-hr requests for civil commitments" received by the Idaho Department of Health and Welfare	Makin DA, Bernat FP, Lyons JA. Who decides civil commitment? A statewide analysis of initial hold requests. <i>Vict Offend</i> 2018; 13(8):1171-1192. https://doi.org/10.1080/15564886.2018.1509037	Not applicable
Indiana	Cases of "mental health" ("Proceedings involving mental health commitments, including temporary commitments, an extension of temporary commitment, regular commitment, or termination of a commitment are filed under this category") in circuit, superior, and probate courts	Indiana Judicial Service Report. 2018 Judicial Year in Review. Years 2011 to 2018. The Supreme Court of Indiana. https://www.in.gov/judiciary/iocs/files/rpts-ijrs-2018-judicial-review.pdf	1-09-2020
Massachusetts	"12(a) arrivals" ("2-hour involuntary examination") in designated mental health facilities	Report on the Impact of Chapter 249 of the Acts of 2000: An Act to Reform the Civil Commitment Process for Persons with Mental Illness. Calendar years 2011 to 2018. Massachusetts Department of Mental Health. http://www.mass.gov/service-details/civil-commitment-reports Reports state that data are collected from 60 general and psychiatric hospitals licensed by the Massachusetts Department of Mental Health and from state-operated community mental health	8-31-2019

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
		centers with inpatient units.	
Michigan	Filings of "mental commitments" in circuit courts	Caseload Reports. Statewide. Statewide Circuit Court Summary. Calendar years 2011 to 2018, Michigan Courts. https://courts.michigan.gov/education/stats/caseload/pages/default.aspx Counts calculated by subtracting "reopened" cases of "mental commitments" from "new filings" of "mental commitments."	9-1-2019
Missouri	<u>Emergency</u> : "Applications" of "96 hours detention" filed for "alcohol/drug" and "mental health" in circuit courts <u>Longer-term commitment</u> : "Petitions" filed for "21 day mental health," "90 day mental health," "180 day mental health," "1 year mental health," "30 day alcohol/drug," and "90 day alcohol/drug" in circuit courts	Table 43 - 46, Probate, Mental Health and Non-case Type: Probate Petitions Filed and Disposed. Mental Health and Non-Case Types Filed. Fiscal years 2011 to 2018. Missouri Judicial Courts Judicial Branch of Government. https://www.courts.mo.gov/page.jsp?id=137407	9-7-2019
Montana	"New case filings and reopened cases" of "commitment" in district courts	Case Filings and Dispositions. District Court Performance Measures/Statistics. Years 2011 to 2018. Montana Judicial Branch. https://courts.mt.gov/courts/statistics	9-1-2019

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
New Hampshire	"New filings" of "emergency admissions" in the district division and "involuntary admissions" in the probate division of circuit courts	2011-2018 Circuit Court Filings by Division. Calendar years 2011 to 2018. New Hampshire Judicial Branch. https://www.courts.state.nh.us/cio/data-and-reports.htm#periodically-header	9-7-2019
Nevada	"Filings" of civil "mental health cases": "Cases that deal with legal determination as to whether an individual is mentally ill or incompetent and should be placed or remain in care, custody, or treatment." Separate from "Mental competency" cases, not included.	Nevada Judiciary Annual Reports. Appendix Tables. Fiscal years 2011-2018. Family Caseloads. https://nvcourts.gov/Supreme/Reports/Annual_Reports/2018_Annual_Report/	9-15-2019
North Dakota	"Filings" of "civil commitment cases"	North Dakota Court System Annual Reports. Calendar years 2011-2018. Counts are calculated from information in reports, i.e., for 2018, percentage of civil commitment cases was "8.0%" of "20,758 other civil cases" and "decreased by 18 cases or 1.1% as compared to 2017," etc. https://www.ndcourts.gov/state-court-administration/annual-report	9-15-2019

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
Oklahoma	<u>Emergency</u> : "Emergency detention" <u>Longer-term commitment</u> : "Court commitment"	Data received on an Excel spreadsheet via email on October 4, 2017 from Oklahoma Department of Mental Health and Substance Abuse Services. Source states that data are collected from state hospitals.	Not applicable
Oregon	"Civil commitment cases filed" in circuit courts	Circuit Court Case Statistics. Calendar years 2016 to 2018. Oregon Judicial Branch. https://www.courts.oregon.gov/about/Pages/reports-measures.aspx From 2011 to 2015, data refer only to "mental health" with no other definition and were excluded.	9-1-2019
South Dakota	"Filings" of "mental illness & drug & alcohol commitment" cases in circuit and magistrate courts	Annual Statistical Report of the South Dakota Unified Judicial System, Circuit and Magistrate Court. Fiscal years 2011 to 2018, South Dakota Unified Judicial System. http://ujis.sd.gov/Information/annualreports.aspx	9-1-2019
Texas	<u>Emergency</u> : "New applications filed for temporary mental health services, or commitment for not longer than 90 days" <u>Longer-term commitment</u> : A disposition of "commit — inpatient" granted at "final hearing" (after	Annual Statistical Report for the Texas Judiciary. Fiscal years 2011 to 2018. Texas Office of Court Administration. http://www.txcourts.gov/statistics/annual-statistical-reports/ Emergency counts also include a smaller number,	9-1-2019

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
	"probable cause hearing") for applications filed for temporary and extended mental health services	~50 to ~250 across 2011-2018, of "new applications filed" for "extended mental health services, or commitment for greater than 90 days, but not longer than 12 months."	
Utah	"Case filings" of "invol. commitment MH" in district courts	Utah District Courts: FY2018 Case Type by Court. Fiscal years 2011 to 2018. Utah Courts https://www.utcourts.gov/stats/?stats=previous	9-1-2019
Vermont	<u>Emergency</u> : "Emergency (civil) admissions" <u>Longer-term commitment</u> : "Involuntary admissions...admitted to inpatient care" in state-run hospital and designated hospitals	Vermont 2019, Reforming Vermont's Mental Health System, Report to the Legislature on the Implementation of Act 79. Vermont Department of Mental Health, Agency of Human Services. https://mentalhealth.vermont.gov/sites/mhnew/files/documents/Reports/2019-ACT_79_FINAL_REPORT_011519.pdf Emergency counts are estimated from Chart 11 (p. 21) and commitment counts from Chart 9 (p. 19) of the data source. Source states that data are collected from the one state-run inpatient facility or the five hospitals throughout the state designated to receive involuntary admissions.	9-1-2019

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
Virginia	<p><u>Emergency</u>: "Temporary detention orders" ("72-hour detention")</p> <p><u>Longer-term commitment</u>: "Involuntary commitment orders issued at initial hearings"</p>	<p>Figures for adults: Faris KM, Allen AA, and Ko TM: Annual Statistical Report: Adult Civil Commitment Proceedings in Virginia FY 2017. University of Virginia Institute of Law, Psychiatry, and Public Policy. https://uvamentalhealthpolicy.org/documents/2018/1/25/annual-statistical-report-adult-civil-commitment-proceedings-in-virginia-fy-2017</p> <p>Figures for minors (emergency only): Allen AA and Bonnie JK: Annual Statistical Report: Civil Commitment of Minors in Virginia (FY 2010 - FY 2015). University of Virginia Institute of Law, Psychiatry, and Public Policy. https://uvamentalhealthpolicy.org/documents/2018/2/2/annual-statistical-report-civil-commitment-of-minors-in-virginia-fy-2010-fy-2015?rq=annual</p> <p>Sources state that data for adults and children are collected by court clerks using the General District Court Case Management System and the Juvenile Case Management System, respectively, and for both age groups by magistrates using the eMagistrate System.</p>	11-22-2019
Washington	<p><u>Emergency</u>: "Detention to inpatient MH facility (72 hours)"</p>	<p>Burley M, Nicolai C, Miller M: Washington's Involuntary Treatment Act: Use of Non-emergent</p>	9-1-2019

State	Terms for detention and/or commitment procedures given by data source, and classification into "Emergency" or "Longer-term commitment" if available	Data source, URL, notes	Date last accessed
	<p><u>Longer-term commitment</u>: "Order for 14-day inpatient commitment, followed by LRA [least restrictive alternative] order" and "order for 14-day inpatient commitment, no LRA order"</p>	<p>Petitions and Less Restrictive Alternatives to Treatment. Washington State Institute for Public Policy, December 2015. https://www.wsipp.wa.gov/ReportFile/1619/Wsipp-Washingtons-Involuntary-Treatment-Act-Use-of-Non-Emergent-Petitions-and-Less-Restrictive-Alternatives-to-Treatment_Report.pdf</p> <p>Emergency counts are estimated from bar chart in Exhibit 1 (p. 4), and commitment refers to counts from Exhibit 6 for years 2011-2014 p. 10) and Exhibit A3 for 2014 in detail (p. 22). Source indicates that data on emergency detentions are obtained from Washington State Division of Behavioral Health and Recovery Service Encounter Reporting Database, and data for commitment are obtained from Washington State Administrative Office of the Courts Judicial Information System and Pierce County Clerk's Office.</p>	
Wisconsin	<p>"Opened" cases of "mental commitments" and "alcohol commitments" and "drug commitments" in circuit courts</p>	<p>Probate Disposition Summary by Disposing Court Official Statewide Report. Calendar years 2011 to 2018. Wisconsin Court System. https://www.wicourts.gov/publications/statistics/circuit/circuitstats.htm</p>	9-1-2019

