



# Epi Data Tables

New York City Department of Health and Mental Hygiene

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## Adult Psychiatric Hospitalizations in New York City

### Data Tables

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### Data Sources

**Statewide Planning and Research Collaborative System (SPARCS) 2013:** SPARCS is an administrative database of all hospital discharges reported by New York State (NYS) hospitals to the NYS Department of Health. Diagnoses are coded according to the International Statistical Classification of Diseases and Related Health Problems-9th Revision framework. All data presented in this report are limited to NYC residents ages 18 years old and older who had a hospitalization for a psychiatric condition (3 digit ICD-9 codes : 295, 296, 297, 298, 300, 301, 302, 306, 307, 308, 309, 311, 312, 313, 314 excluding ICD-9 30252).

**NYC Department of Health and Mental Hygiene Population Estimates,** modified from US Census Bureau intercensal population estimates 2000-2013, updated August 8, 2014, were used for denominators in rate calculations.

**American Community Survey 2009-2013:** Neighborhood poverty is based on ZIP code and is defined as the percentage of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey 2009-2013, in four groups: low (<10%), medium (10 %-< 20%), high (20 %-< 30%), and very high (>=30%).

To access the related Epi Data Brief, go to [www1.nyc.gov/assets/doh/downloads/pdf/epi/databrief71.pdf](http://www1.nyc.gov/assets/doh/downloads/pdf/epi/databrief71.pdf)

**Table 1. Primary psychiatric diagnoses\* among New York City adults hospitalized for mental illness, 2013**

Source: Statewide Planning and Research Collaborative System (SPARCS) 2013

<b>Primary Psychiatric Diagnosis</b>	<b>Percent of overall mental health hospitalizations</b>	<b>Hospitalizations (count)</b>
Schizophrenia**	50.2%	22,544
Bipolar	18.1%	8,134
Major Depressive Disorder	13.7%	6,138
Affective Psychoses NOS/NEC	6.6%	2,945
Depressive Disorder NEC	4.6%	2,050
Adjustment reaction	2.3%	1,052
Anxiety/Dissociative/Somatoform Disorders	2.2%	976
Disturbance of Conduct NEC	1.0%	430
Personality Disorders	0.4%	191
Special Symptoms NEC	0.4%	174
Delusional Disorders	0.3%	156
Other***	0.3%	152

\*Primary Diagnosis is the condition recorded to be chiefly responsible for the admission of the patient to the hospital for care.

\*\*Schizophrenia includes diagnoses of Schizophrenia and Psychosis Not Otherwise Specified (NOS)

\*\*\*Other include: diagnoses of other nonorganic psychoses, physiological malfunction arising from mental factors, sexual and gender identity disorders, acute reaction to stress, disturbance of conduct, and hyperkinetic syndrome of childhood .

**Table 2. Adult psychiatric hospitalization rates, New York City 2004 to 2013***Source: Statewide Planning and Research Collaborative System (SPARCS) 2013*

<b>Year</b>	<b>Population</b>	<b>Hospitalizations (count)</b>	<b>Age adjusted rate per 100,000</b>	<b>Crude rate per 100,000</b>
2004	6,214,736	45,141	721	726
2005	6,221,987	43,422	693	698
2006	6,234,394	43,556	694	699
2007	6,275,800	43,190	685	688
2008	6,338,995	44,422	699	701
2009	6,409,645	43,811	683	684
2010	6,472,047	43,597	674	674
2011	6,512,793	45,031	693	691
2012	6,585,984	45,266	690	687
2013	6,651,304	44,942	680	676

**Table 3. Length of stay: Psychiatric hospitalizations, New York City 2004 to 2013***Source: Statewide Planning and Research Collaborative System (SPARCS) 2013*

<b>Year</b>	<b>Mean length of stay (days)</b>	<b>Median length of stay (days)</b>
2004	19.1	12.0
2005	19.4	12.0
2006	19.0	12.0
2007	18.7	12.0
2008	18.0	11.0
2009	17.7	11.0
2010	18.1	11.0
2011	17.9	11.0
2012	17.6	11.0
2013	16.2	11.0

**Table 4. Adult psychiatric hospitalization by gender, age group, borough, and neighborhood poverty level, New York City 2013**

Source: Statewide Planning and Research Collaborative System (SPARCS) 2013, American Community Survey 2009-2013

	Hospitalizations (count)	Population	Age-adjusted rate per 100,000	Crude rate per 100,000
<b>Gender</b>				
Male	25,541	3,108,764	814	822
Female	19,401	3,542,540	555	548
<b>Age group</b>				
18-24	6,320	842,858		750
25-34	9,975	1,484,062		672
35-44	8,496	1,177,010		722
45-54	10,121	1,117,252		906
55-64	6,283	955,447		658
65+	3,747	1,074,675		349
<b>Borough</b>				
Bronx	8,611	1,060,308	809	812
Brooklyn	13,963	1,997,419	703	699
Manhattan	10,448	1,392,052	775	751
Queens	9,221	1,834,580	508	503
Staten Island	2,699	366,946	754	736
<b>Neighborhood poverty level*</b>				
0 to <10% (low)	4,551	1,187,800	399	383
10% to- <20%	14,218	2,461,272	583	578
20% to <30%	12,474	1,647,297	759	757
30% to 100% (very high)	13,699	1,354,910	1,001	1,011

\* Neighborhood poverty level is defined as percent of residents with incomes below 100% of the Federal Poverty Level, per American Community Survey 2009-2013.

**Table 5. Expected payer for psychiatric hospitalizations,\* New York Ci***Source: Statewide Planning and Research Collaborative System (SPARCS) 2013*

<b>Payer source</b>	<b>Hospitalizations (count)</b>	<b>Hospitalizations (percent)</b>
Medicaid	26,233	58.4
Medicare	10,714	23.8
Commercial	4,313	9.6
Self-pay	2,272	5.1
Other**	1,410	3.1

\*Per PSREIM code

\*\*Other includes the following PSREIM categories: Corrections-local, Self-insured, CHAMPUS/VA, Other government, Workers Compensation, Corrections-state, No-fault, No charge and Other

**Table 6. Adult psychiatric hospitalization by age and major diagnosis, New York City 2013***Source: Statewide Planning and Research Collaborative System (SPARCS) 2013*

Age group	Hospitalizations (count)				Population	Crude rate per 100,000			
	Schizophrenia*	Bipolar	Major Depressive Disorder	Other		Schizophrenia*	Bipolar	Major Depressive Disorder	Other
18-24	2,767	1,319	697	1,537	842,858	328	156	83	182
25-34	5,229	2,031	999	1,716	1,484,062	352	137	67	116
35-44	4,378	1,596	1,046	1,476	1,177,010	372	136	89	125
45-54	5,244	1,697	1,428	1,752	1,117,252	469	152	128	157
55-64	3,257	975	1,084	967	955,447	341	102	113	101
65+	1,669	516	884	678	1,074,675	155	48	82	63

\*Schizophrenia includes diagnoses of Schizophrenia and Psychosis Not Otherwise Specified (NOS)

**Table 7. Adult psychiatric hospitalization by sex and major diagnosis, New York City 2013***Source: Statewide Planning and Research Collaborative System (SPARCS) 2013*

Diagnosis	Hospitalizations (count)		Population		Crude rate per 100,000	
	Female	Male	Female	Male	Female	Male
Schizophrenia*	8,525	14,019	3,542,540	3,108,764	241	451
Bipolar	4,042	4,092	3,542,540	3,108,764	114	132
Major Depressive Disorder	3,198	2,940	3,542,540	3,108,764	90	95
Other	3,636	4,490	3,542,540	3,108,764	103	144

\*Schizophrenia includes diagnoses of Schizophrenia and Psychosis Not Otherwise Specified (NOS)