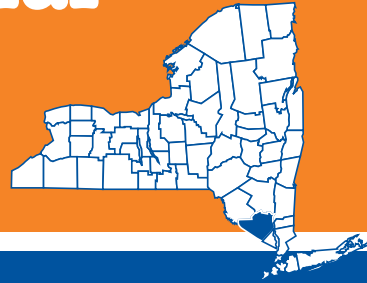


New York & National Suicide-Related Statistics

Statistics **S**



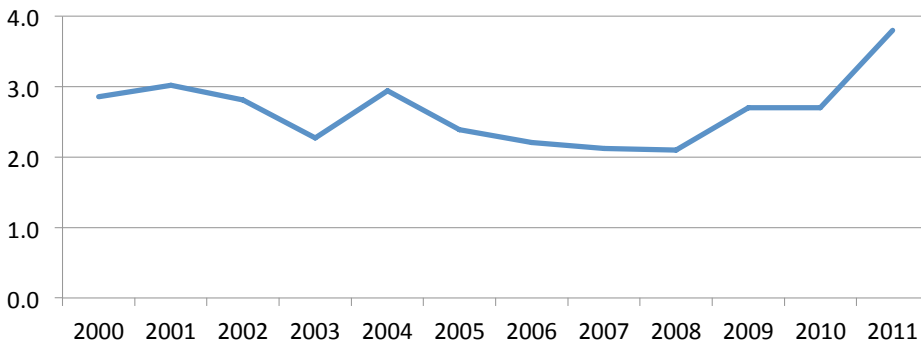
ORANGE COUNTY • NEW YORK

New York Statistics

New York ranked 49th among all states and the District of Columbia for rates of suicide among all its citizens in 2009 and 2011 and 50th in 2010. New York's 2011 rate of 8.5 deaths by suicide per 100,000 citizens is well below the national average of 12.7 (1).

In New York, the rate of youth suicide (10 to 19 year olds) consists of a general decline over the past decade through 2008, except for an increase between 2003 and 2004. Starting in 2009 through 2011 there has been an increase in New York's youth crude suicide rate. The increase was from 2.1 deaths by suicide per 100,000 youth in 2008 to 3.8 deaths by suicide per 100,000 youth in 2011 (2).

New York Rate of Suicide Deaths per 100,000 Youth Aged 10 to 19



Orange County, New York

Specifically in Orange County, there were 17 deaths by suicide of 15-19 year olds from 1999 to 2011 according to CDC Wonder On-line Database (2). The following table indicates recent numbers of adolescents, ages 15-19, who died by suicide from Regions 6 and 7 by county from 2009 through 2011 (3).



School-Based
Guide
Orange County, New York



Orange-Ulster BOCES
845 291-0100
www.ouboces.org



Orange County Department of Mental Health
845 291-2600
www.orangecountygov.com

Suggested Citation: Roggenbaum, S. (2014). *Youth suicide prevention school-based guide; Orange County, NY—New York and national suicide-related statistics*. Tampa, FL: University of South Florida, College of Behavioral and Community Sciences, Louis de la Parte Florida Mental Health Institute (FMHI Series Publication #256-S-rev).

This publication is also available on-line as an Adobe Acrobat PDF file: <http://www.ouboces.org> and <http://www.orangecountygov.com>

Select County Departments, Department of Mental Health

Adolescent/Young Adult Suicide (Age 15-19) Deaths and Death Rates Per 100,000 Residents Age 15-19

Region/County	2009 Deaths	2010 Deaths	2011 Deaths	Total	Average 2009-11 Population	Crude Rate
Reg-6 Hudson Valley						
Dutchess	3	0	1	4	24,239	5.5*
Orange	0	3	2	5	30,466	5.5*
Putnam	0	0	0	0	7,060	0.0*
Rockland	1	1	1	3	23,375	4.3*
Sullivan	1	0	0	1	5,326	6.3*
Ulster	1	0	1	2	13,004	5.1*
Westchester	1	5	2	8	66,595	4.0*
Region Total	7	9	7	23	170,065	4.5
Reg-7 New York City						
Bronx	6	1	3	10	113,201	2.9
Kings	3	4	7	14	165,716	2.8
New York	4	1	3	8	74,332	3.6*
Queens	0	4	8	12	133,862	3.0
Richmond	3	2	3	8	32,764	8.1*
Region Total	16	12	24	52	519,875	3.3
NY State Total	58	63	81	202	1,352,225	5.0

* Fewer than 10 events in the numerator, therefore the rate is unstable
Source: 2009-2011 Vital Statistics Data as of February, 2013

New York Youth Risk Behavior Surveillance System (YRBSS)

The Youth Risk Behavior Surveillance System (YRBSS) monitors six types of health-risk behaviors that contribute to the leading causes of death and disability among youth and adults, including behaviors that contribute to unintentional injuries and violence. The YRBSS is a national school-based survey among students in grades 9–12 conducted by the Centers for Disease Control and Prevention (CDC) and state, territorial, tribal, and district surveys conducted by state, territorial, and local education and health agencies and tribal governments. The Youth Risk Behavior Surveillance is conducted every two years (odd years) with five questions related to suicide. New York's 2013 Youth Risk Behavior Survey results includes four of those questions and can be compared to US data (4).

Percent of 2013 High School students who in the 12 months before the survey: (4)	New York	U.S.
Felt sad or hopeless almost everyday for two or more weeks	23.8%	29.9%
Seriously considered attempting suicide	13.7%	17.0%
Attempted suicide one or more times	7.1% *	8.0%
Suicide attempt required medical attention	2.4% *	2.7%

* No statistical difference from US percentage

The following table presents New York YRBSS data available for five questions related to suicide for 2003 through 2011. The survey is conducted every two years in odd numbered years. One question (i.e., Percentage of High School Students who made a suicide plan) was not asked on the 2009, 2011, or 2013 New York YRBSS (5).

Percentage of High School students who in the 12 months before the survey: (5)	NY 2003	NY 2005	NY 2007	NY 2009	NY 2011	NY 2013
Felt sad or hopeless almost everyday for > 2 weeks	27.8%	27.3%	25.8%	22.6%	24.9%	23.8%
Seriously considered attempting suicide	14.4%	14.4%	12.1%	13.3%	12.9%	13.7%
Made a suicide plan	10.9%	10.2%	10.2%	-	-	-
Attempted suicide	6.8%	7.1%	7.6%	7.4%	7.1%	7.1%
Suicide attempt required medical attention	2.1%	1.8%	2.7%	2.8%	2.6%	2.4%

While the YRBSS provides valuable information on self-reported suicide thoughts, plans, and attempts, New York's Department of Health collects actual hospital data on self-inflicted injuries for adolescents who present in a hospital emergency room. The following table indicates recent numbers of adolescents, ages 15-19, who were discharged from a hospital with a self-inflicted injury from Regions 6 and 7 by county (6). While not all of these individuals can be assumed to have made a non-fatal suicide attempt, many of them can.

Self-inflicted Injury (Age 15-19) Discharge Rate Per 10,000 Population Age 15-19

Region/ County	2009 Discharge	2010 Discharge	2011 Discharge	Total	Average Population (aged 15-19) 2009-2011	Crude Rate
Reg-6 Hudson Valley						
Dutchess	36	24	19	79	24,239	10.9
Orange	28	41	46	115	30,466	12.6
Putnam	13	12	9	34	7,060	16.1
Rockland	24	15	29	68	23,375	9.7
Sullivan	18	9	9	36	5,326	22.5
Ulster	17	10	12	39	13,004	10.0
Westchester	43	55	64	162	66,595	8.1
Region Total	179	166	188	533	170,065	10.4
Reg-7 New York City						
Bronx	90	94	86	270	113,201	8.0
Kings	120	142	147	409	165,716	8.2
New York	71	60	55	186	74,332	8.3
Queens	94	89	88	271	133,862	6.7
Richmond	18	22	37	77	32,764	7.8
Region Total	393	407	413	1,213	519,875	7.8
NY State Total	1,299	1,386	1,421	4,106	1,352,225	10.1

Source: 2009-2011 SPARCS Data as of February, 2013

References

New York and National Statistics

1. McIntosh, J. L. & Drapeau, C.W. (for the American Association of Suicidology). (2014). *U.S.A. suicide 2011: Official final data*. Washington, DC: American Association of Suicidology, dated June 19, 2014. Retrieved from <http://www.suicidology.org>.
2. Centers for Disease Control and Prevention, National Center for Health Statistics. (2014). *Compressed mortality file 1999-2011*. CDC WONDER On-line Database, compiled from Compressed Mortality File 1999-2011 Series 20 No. 2Q, 2014. Retrieved from <http://wonder.cdc.gov/cmfi-icd10.html>
3. New York State, Department of Health, Information for a Healthy New York. (August, 2014). *Suicide mortality rate per 100,000 - Aged 15-19*. Retrieved from <http://www.health.ny.gov/statistics/chac/mortality/d25.htm>
4. Centers for Disease Control and Prevention. (2014). *Adolescent and school health: Youth risk behavior surveillance system (YRBSS)*. Retrieved from <http://www.cdc.gov/healthyyouth/yrbs/index.htm>
5. Centers for Disease Control and Prevention. (2014). *Youth online: High school YRBSS*. YRBSS New York Results. Retrieved from <http://nccd.cdc.gov/youthonline/>
6. New York State, Department of Health, Information for a Healthy New York. (August, 2014). *Self-inflicted injury hospitalization rate per 10,000 - Age 15-19 years*. Retrieved from <http://www.health.ny.gov/statistics/chac/hospital/h16.htm>

National Statistical Information

The American Association of Suicidology (AAS) makes a summary of national suicide statistics available on an annual basis [following the release of official data from the Center for Disease Control and Prevention (CDC)]. Dr. John L. McIntosh has prepared the AAS suicide statistics summary for numerous years with a consistent format making comparisons and finding the data on the summary sheet more convenient. The two-page summary appears on the following pages and includes:

- State and District of Columbia rankings by suicide death rates.
- Recorded number of official deaths by suicide in each state.
- Rates by regions of the USA.
- A national breakdown of rates by age groups over 10 years.
- Suicide deaths broken down by leading methods.
- A listing of leading causes of death in the USA.
- A delineation of rates by gender and groups.

The AAS Summary of Statistics pages are a valuable resource and are provided here with permission from the American Association of Suicidology.

Contact information for AAS:

American Association of Suicidology (AAS)
5221 Wisconsin Avenue, NW
Washington, D.S. 20015
(202) 237-2280
<http://www.suicidology.org>

Additional suicide data and an archive of state/national data are located at Dr. John L. McIntosh's website. Please visit the website (<http://mypage.iu.edu/~jmcintos/>) and click on the "Recent Suicide Statistics" link from the left hand menu.

U.S.A. SUICIDE: 2011 OFFICIAL FINAL DATA

	Number	Per Day	Rate	% of Deaths	Group (Number of Suicides)	Rate
Nation	39,518	108.3	12.7	1.6	White Male (28,103)	23.0
Males	31,003	84.9	20.2	2.5	White Female (7,672)	6.2
Females	8,515	23.3	5.4	0.7	Nonwhite Male (2,900)	9.4
Whites	35,775	98.0	14.5	1.7	Nonwhite Female (843)	2.5
Nonwhites	3,743	10.3	5.8	1.0	Black Male (1,828)	9.0
Blacks	2,241	6.1	5.3	0.8	Black Female (413)	1.9
Elderly (65+ yrs.)	6,321	17.3	15.3	0.3	Hispanic (2,720)	5.2
Young (15-24 yrs.)	4,822	13.2	11.0	16.3	Native Americans (459)	10.6
Middle Aged (45-64 yrs.)	15,379	42.1	18.6	3.0	Asian/Pacific Islanders (1,043)	5.9

Fatal Outcomes (Suicides): *a rate increase was seen from 2010 to 2011, continuing the recent rate increases after long-term trends of decline*

- Average of 1 person every 13.3 minutes killed themselves
- Average of 1 old person every 1 hour and 23 minutes killed themselves
- Average of 1 young person every 1 hour and 49 minutes killed themselves. (If the 287 suicides below age 15 are included, 1 young person every 1 hour and 43 minutes)

- 10th ranking cause of death in U.S.— 2nd for **young** ----->>> Cause Number Rate
- 3.6 male deaths by suicide for each female death by suicide
- Suicide ranks 10th as a cause of death; Homicide ranks 16th

Leading Causes of Death 15-24 yrs	Number	Rate
All Causes	29,667	67.7
1-Accidents	12,330	28.2
2-Suicide	4,822	11.0
3-Homicide	4,554	10.4
10-14 yrs	282	1.4
15-19 yrs	1,802	8.3
20-24 yrs	3,020	13.6

Nonfatal Outcomes (Attempts) (figures are estimates; no official U.S. national data compiled):

- 987,950 annual attempts in U.S. (using 25:1 ratio); 2012 SAMHSA study: 1.3 million adults (18 and up)
- Translates to one attempt every 32 seconds (based on 987,950 attempts) [1.3 million = 1 every 24 seconds]
- 25 attempts for every death by suicide for nation (one estimate); 100-200:1 for young; 4:1 for elderly
- 3 female attempts for each male attempt

Survivors (i.e., family members and friends of a loved one who died by suicide):

- Each suicide intimately affects at least 6 other people (estimate)
- Based on the 805,286 suicides from 1987 through 2011, estimated that the number of survivors of suicides in the U.S. is 4.8 million (1 of every 64 Americans in 2011); number grew by at least 237,108 in 2011
- If there is a suicide every 13.3 minutes, then there are 6 new survivors every 13.3 minutes as well

Suicide Methods	Number	Rate	Percent of Total	Number	Rate	Percent of Total
Firearm suicides	19,990	6.4	50.6%	All but Firearms	19,528	49.4%
Suffocation/Hanging	9,913	3.2	25.1%	Poisoning	6,564	16.6%
Cut/pierce	660	0.2	1.7%	Drowning	354	0.9%

U.S.A. Suicide Rates 2001-2011											15 Leading Causes of Death in the U.S.A., 2011						
(Rates per 100,000 population)											(total of 2,515,458 deaths; 807.3 rate)						
Group/	Age	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Group/	Rank	Cause of Death	Rate	Deaths
5-14	0.7	0.6	0.6	0.7	0.7	0.5	0.5	0.6	0.7	0.7	0.7	0.7	5-14	1	Diseases of heart (heart disease)	191.5	596,577
15-24	9.9	9.9	9.7	10.3	10.0	9.9	9.7	10.0	10.1	10.5	11.0	15-24	2	Malignant neoplasms (cancer)	185.1	576,691	
25-34	12.8	12.6	12.7	12.7	12.4	12.3	13.0	12.9	12.8	14.0	14.6	25-34	3	Chronic lower respiratory diseases	45.9	142,943	
35-44	14.7	15.3	14.9	15.0	14.9	15.1	15.6	15.9	16.1	16.0	16.2	35-44	4	Cerebrovascular diseases (stroke)	41.4	128,932	
45-54	15.2	15.7	15.9	16.6	16.5	17.2	17.7	18.7	19.3	19.6	19.8	45-54	5	Accidents (unintentional injuries)	40.6	126,438	
55-64	13.1	13.6	13.8	13.8	13.9	14.5	15.5	16.3	16.7	17.5	17.1	55-64	6	Alzheimer's disease	27.3	84,974	
65-74	13.3	13.5	12.7	12.3	12.6	12.6	12.6	13.9	14.0	13.7	14.1	65-74	7	Diabetes mellitus (diabetes)	23.7	73,831	
75-84	17.4	17.7	16.4	16.3	16.9	15.9	16.3	16.0	15.7	15.7	16.5	75-84	8	Influenza & pneumonia	17.3	53,826	
85+	17.5	18.0	16.9	16.4	16.9	15.9	15.6	15.6	15.6	17.6	16.9	85+	9	Nephritis, nephrosis (kidney disease)	14.6	45,591	
65+	15.3	15.6	14.6	14.3	14.7	14.2	14.3	14.8	14.8	14.9	15.3	65+	10	Suicide [Intentional Self-Harm]	12.7	39,518	
Total	10.8	11.0	10.8	11.0	11.0	11.1	11.5	11.8	12.0	12.4	12.7	Total	11	Septicemia	11.5	35,748	
Men	17.6	17.9	17.6	17.7	17.7	17.8	18.3	19.0	19.2	20.0	20.2	Men	12	Chronic liver disease and cirrhosis	10.8	33,642	
Women	4.1	4.3	4.3	4.6	4.5	4.6	4.8	4.9	5.0	5.2	5.4	Women	13	Essential hypertension and renal disease	8.9	27,853	
White	11.9	12.2	12.1	12.3	12.3	12.4	12.9	13.3	13.5	14.1	14.5	White	14	Parkinson's disease	7.4	23,111	
Nonwh	5.6	5.5	5.5	5.8	5.5	5.5	5.6	5.7	5.8	5.8	5.8	NonWh	15	Pneumonitis	5.8	18,195	
Black	5.3	5.1	5.1	5.2	5.1	4.9	4.9	5.2	5.1	5.1	5.3	Black	-	All other causes (Residual)	162.9	507,588	
45-64	14.4	14.9	15.0	15.4	15.3	16.0	16.7	17.5	18.0	18.6	18.6	45-64	16	Homicide	5.2	16,238	

Old made up 13.3% of 2011 population but represented 16.0% of the suicides.

Young were 14.1% of 2011 population and comprised 12.2% of the suicides.

1,142,673* Years of Potential Life Lost Before Age 75 (36,366 of 39,518 suicides were below age 75)

Middle Aged were 26.6% of the 2011 population but were 38.9% of the suicides

* WISQARS YPLL figure: 1,140,275 using individual years rather than 10-year age groups as above.

Many figures appearing here are derived or calculated from data in the following official data source: obtained 17 June 2014 from CDC's WISQARS website (fatal injuries report figures) <http://www.cdc.gov/injury/wisqars/index.html>.

SAMHSA 2012 study (2013): Substance Abuse and Mental Health Services Administration [SAMHSA] (2013). *Results from the 2012 National Survey on Drug Use and Health: Mental Health Findings*, NSDUH Series H-47, HHS Publication No. (SMA) 13-4805. Rockville, MD: SAMHSA.

number of suicides by group
suicide rate = ----- X 100,000
population of group

Suicide Data Page: 2011
19 June 2014
Prepared for AAS by John L. McIntosh, Ph.D., & Christopher W. Drapeau, M.A.

Rate, Number, and Ranking of Suicide for Each U.S.A. State, 2011*

Rank	State [Division] (2010 rank)	Deaths	Rate	Division [Abbreviation]	Rate	Number
1	Wyoming [M] (1)	132	23.3	Mountain [M].....	18.6	4,156
1	Montana [M] (3)	232	23.3	East South Central [ESC].....	14.4	2,673
3	New Mexico [M] (5)	420	20.2	West North Central [WNC].....	13.9	2,859
4	Alaska [P] (2)	143	19.8	South Atlantic [SA].....	13.2	7,968
5	Vermont [NE] (12)	120	19.2	Nation	12.7	39,518
6	Nevada [M] (4)	516	19.0	West South Central [WSC].....	12.5	4,624
7	Oklahoma [WSC] (13)	693	18.3	Pacific [P].....	11.9	5,997
8	Arizona [M] (10T)	1,160	17.9	East North Central [ENC].....	11.9	5,538
9	Colorado [M] (8T)	913	17.8	New England [NE].....	11.1	1,609
9	Utah [M] (10T)	502	17.8	Middle Atlantic [MA].....	10.0	4,094
11	Idaho [M] (6)	281	17.7			
11	Maine [NE] (26)	235	17.7	<u>Region [Subdivision Abbreviations]</u>	<u>Rate</u>	<u>Number</u>
13	Oregon [P] (7)	656	17.0	West (M, P).....	13.9	10,153
14	West Virginia [SA] (17)	306	16.5	South (ESC, WSC, SA).....	13.2	15,265
15	Arkansas [WSC] (15)	462	15.7	Nation	12.7	39,518
16	South Dakota [WNC] (8T)	128	15.5	Midwest (WNC, ENC).....	12.5	8,397
16	Missouri [WNC] (22)	933	15.5	Northeast (NE, MA).....	10.3	5,703
16	North Dakota [WNC] (14)	106	15.5			
19	Kentucky [ESC] (21)	675	15.5			
20	Florida [SA] (20)	2,880	15.1			
21	New Hampshire [NE] (18T)	198	15.0			
21	Washington [P] (23T)	1,021	15.0			
23	Tennessee [ESC] (18T)	955	14.9			
24	South Carolina [SA] (28)	658	14.1			
25	Iowa [WNC] (37)	422	13.8			
26	Kansas [WNC] (25)	394	13.7			
26	Pennsylvania [MA] (33)	1,747	13.7			
28	Alabama [ESC] (23T)	654	13.6			
29	Indiana [ENC] (29)	881	13.5			
30	Hawaii [P] (16)	181	13.1			
30	Mississippi [ESC] (30)	389	13.1			
30	Wisconsin [ENC] (27)	745	13.1			
33	Virginia [SA] (38)	1,054	13.0			
34	Minnesota [WNC] (42)	683	12.8			
35	Ohio [ENC] (32)	1,465	12.7			
	United States - Total	39,518	12.7			
36	North Carolina [SA] (34T)	1,213	12.6			
37	Louisiana [WSC] (34T)	573	12.5			
38	Michigan [ENC] (31)	1,221	12.4			
39	Georgia [SA] (40)	1,157	11.8			
40	Delaware [SA] (39)	105	11.6			
41	Texas [WSC] (41)	2,896	11.3			
42	California [P] (44)	3,996	10.6			
43	Nebraska [WNC] (43)	193	10.5			
44	Connecticut [NE] (45)	370	10.3			
45	Rhode Island [NE] (34T)	101	9.6			
45	Maryland [SA] (48)	558	9.6			
47	Illinois [ENC] (46)	1,226	9.5			
48	Massachusetts [NE] (47)	585	8.9			
49	New York [MA] (50)	1,658	8.5			
50	New Jersey [MA] (49)	689	7.8			
51	District of Columbia [SA] (51)	37	6.0			

Source: Obtained 17 June 2014 from CDC's WISQARS website (fatal injuries report figures)
<http://www.cdc.gov/injury/wisqars/index.html> [Note: divisional and regional figures were calculated from state data]

[data are by place of residence]
 [Suicide = ICD-10 Codes X60-X84, Y87.0, U03]

Note: All rates are per 100,000 population.

* Including the District of Columbia.

Suicide State Data Page: 2011
19 June 2014

Prepared by John L. McIntosh, Ph.D.
 and Christopher W. Drapeau, M.A. for



**American Association
of Suicidology**

5221 Wisconsin Avenue, N.W.
 Washington, DC 20015
 (202) 237-2280

*“to understand and prevent suicide
as a means of promoting human well-being”*

 Visit the AAS website at:

<http://www.suicidology.org>

For other suicide data, and an archive of state data, visit the website below and click on the dropdown “Suicide Stats” menu:

<http://mypage.iusb.edu/~jmcintos/>

Caution: Annual fluctuations in state levels combined with often relatively small populations can make these data highly variable. The use of several years' data is preferable to conclusions based on single years alone.

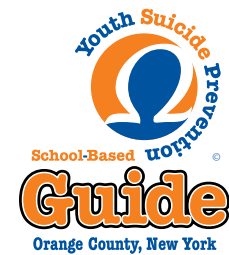
Suggested citation: McIntosh, J. L., & Drapeau, C. W. (for the American Association of Suicidology). (2014). *U.S.A. suicide 2011: Official final data*. Washington, DC: American Association of Suicidology, dated June 19, 2014, downloaded from <http://www.suicidology.org>.

Notes

New York and National Statistics

Notes

New York and National Statistics



Prepared by

Stephen Roggenbaum

Developed by

The Louis de la Parte Florida Mental Health Institute in the College of Behavioral and Community Sciences at the University of South Florida. Funded in part by the Orange County Department of Mental Health and Orange-Ulster BOCES. Originally funded by the Institute for Child Health Policy at Nova Southeastern University through a Florida Drug Free Communities Program Award.

Design & Page Layout

Dawn Khalil

© 2014, *Louis de la Parte* Florida Mental Health Institute

Contact for USF Guide: Stephen Roggenbaum
roggenba@usf.edu
813-974-6149 (voice)



Events, activities, programs and facilities of the University of South Florida are available to all without regard to race, color, marital status, gender, sexual orientation, religion, national origin, disability, age, Vietnam or disabled veteran status as provided by law and in accordance with the university's respect for personal dignity.

Permission to Copy all or portions of this publication is granted as long as this publication, the Louis de la Parte Florida Mental Health Institute, and the University of South Florida are acknowledged as the source in any reproduction, quotation or use.