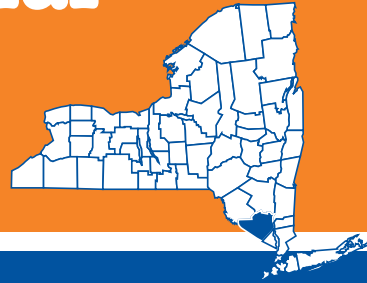


# New York & National Suicide-Related Statistics

Statistics **S**



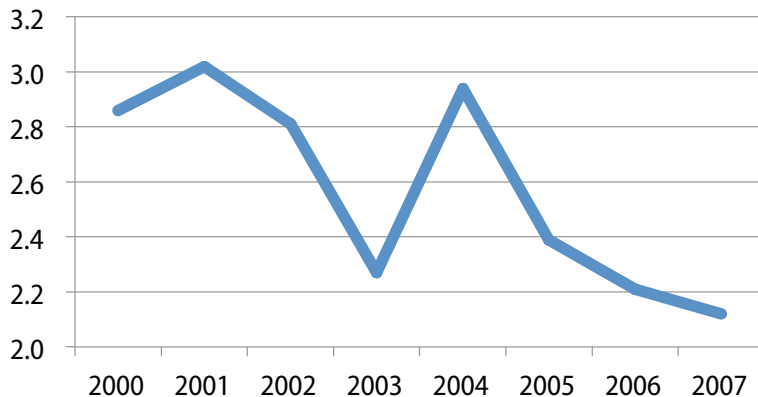
ORANGE COUNTY • NEW YORK

## New York Statistics

New York ranked 49th among all states and the District of Columbia for rates of suicide among all its citizens in 2006 and 2007. New York's 2007 rate of 7.2 deaths by suicide per 100,000 citizens is well below the national average of 11.5 (1).

In New York, the rate of youth suicide (10 to 19 year olds) mirrors a national trend of a general decline over the past decade except for an increase between 2003 and 2004. From 2000 to 2003 there was an overall decline in New York's youth suicide rate from 2.86 to 2.27 deaths by suicide per 100,000 youth. Similar to the US, between 2003 and 2004 New York recorded an increase from 2.27 to 2.94 deaths by suicide per 100,000 youth. From 2.94 in 2004, the rate of deaths by suicide declined to 2.12 deaths per 100,000 youth in 2007 (2).

**New York Rate of Suicide Deaths per 100,000 Youth Aged 10 to 19 (2)**



## Orange County, New York

Specifically in Orange County, there were 12 deaths by suicide of 15-19 year olds from 1999 to 2007 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 2006 through 2008 (3).



School-Based **Prevention**

# Guide

Orange County, New York



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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	2006 Deaths	2007 Deaths	2008 Deaths	Total	2007 Population	Crude Rate
Reg-6 Hudson Valley						
Dutchess	2	1	0	3	24,167	4.1
Orange	2	1	0	3	31,236	3.2
Putnam	0	0	0	0	7,069	0.0
Rockland	0	0	3	3	23,148	4.3
Sullivan	0	0	0	0	5,690	0.0
Ulster	0	0	2	2	13,690	4.9
Westchester	2	3	1	6	68,032	2.9
Region Total	6	5	6	17	173,032	3.3
Reg-7 New York City						
Bronx	2	4	7	13	114,483	3.8
Kings	3	5	5	13	182,189	2.4
New York	4	1	0	5	75,748	2.2
Queens	3	4	1	8	140,827	1.9
Richmond	0	2	2	4	35,388	3.8
Region Total	12	16	15	43	548,635	2.6
NY State Total	51	54	46	151	1,396,874	3.6

Source: 2006-2008 Vital Statistics Data as of February, 2010

## 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 2009 Youth Risk Behavior Survey results includes four of those questions and can be compared to US data (4).

Percent of 2009 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	22.6%	26.1%
Seriously considered attempting suicide	13.3% *	13.8%
Attempted suicide one or more times	7.4% *	6.3%
Suicide attempt required medical attention	2.8% *	1.9%

\* No statistical difference from US percentage

The following table presents New York YRBSS data available for five questions related to suicide for 2003 through 2009. 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 New York YRBSS (5).

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

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**

<b>Region/ County</b>	<b>2006 Discharge</b>	<b>2007 Discharge</b>	<b>2008 Discharge</b>	<b>Total</b>	<b>2007 Population</b>	<b>Crude Rate</b>
<b>Reg-6 Hudson Valley</b>						
Dutchess	39	38	31	108	24,167	14.9
Orange	33	33	36	102	31,236	10.9
Putnam	11	15	11	37	7,069	17.4
Rockland	12	9	19	40	23,148	5.8
Sullivan	9	5	6	20	5,690	11.7
Ulster	20	8	23	51	13,690	12.4
Westchester	47	38	40	125	68,032	6.1
<b>Region Total</b>	<b>171</b>	<b>146</b>	<b>166</b>	<b>483</b>	<b>173,032</b>	<b>9.3</b>
<b>Reg-7 New York City</b>						
Bronx	84	77	91	252	114,483	7.3
Kings	160	130	118	408	182,189	7.5
New York	73	64	70	207	75,748	9.1
Queens	104	109	99	312	140,827	7.4
Richmond	27	20	32	79	35,388	7.4
<b>Region Total</b>	<b>448</b>	<b>400</b>	<b>410</b>	<b>1,258</b>	<b>548,635</b>	<b>7.6</b>
<b>NY State Total</b>	<b>1,276</b>	<b>1,235</b>	<b>1,321</b>	<b>3,832</b>	<b>1,396,874</b>	<b>9.1</b>

Source: 2006-2008 SPARCS Data as of December, 2009

# References

## New York and National Statistics

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3. New York State, Department of Health, Information for a Healthy New York. (February, 2010). *Adolescent/young adult suicide (Age 15-19) — Deaths and death rates*. Retrieved from <http://www.health.state.ny.us/statistics/chac/mortality/suicad.htm>
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## 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: 2007 OFFICIAL FINAL DATA

	Number	Per Day	Rate	% of Deaths	Group (Number of Suicides)	Rate
Nation	34,598	94.8	11.5	1.4	White Male (24,725)	20.5
Males	27,269	74.7	18.3	2.3	White Female (6,623)	5.4
Females	7,329	20.1	4.8	0.6	Nonwhite Male (2,544)	9.6
Whites	31,348	85.9	12.9	1.5	Nonwhite Female (706)	2.3
Nonwhites	3,250	8.9	5.6	0.9	Black Male (1,606)	8.4
Blacks	1,958	5.4	4.9	0.7	Black Female (352)	1.7
Elderly (65+ yrs.)	5,421	14.9	14.3	0.3	Hispanic (2,465)	5.4
Young (15-24 yrs.)	4,140	11.3	9.7	12.2	Native Americans (392)	12.1
					Asian/Pacific Islanders (900)	6.1

**Fatal Outcomes (Suicides):** *a rate increase was seen in 2007, representing a change in the recent pattern of stability or slight declines*

- Average of 1 person every 15.2 minutes killed themselves
- Average of 1 old person every 1 hour and 37 minutes killed themselves
- Average of 1 young person every 2 hours and 7 minutes killed themselves. (If the 184 suicides below age 15 are included, 1 young person every 2 hours and 1.6 minutes)
- 11th ranking cause of death in U.S.— 3rd for **young**----->> Cause Number Rate
- 3.6 male deaths by suicide for each female death by suicide All Causes 33,982 79.9
- Suicide ranks 11th as a cause of death; Homicide ranks 15th 1-Accidents 15,897 37.4

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

- 864,950 annual attempts in U.S. (using 25:1 ratio); recent SAMHSA study: 1.1 million adults (18 and up) | 2-Homicide 5,551 13.1
- Translates to one attempt every 38 seconds (based on 864,950 attempts) [1.1 million = 1 every 29 seconds] | 3-Suicide 4,140 9.7
- 25 attempts for every death by suicide (one estimate); 100-200:1 for young; 4:1 for elderly 10-14 yrs NA NA
- 3 female attempts for each male attempt 15-19 yrs NA NA
- 20-24 yrs NA NA

**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 772,398 suicides from 1983 through 2007, estimated that the number of survivors of suicides in the U.S. is 4.6 million (1 of every 65 Americans in 2007); number grew by at least 207,588 in 2007
- If there is a suicide every 15.2 minutes, then there are 6 new survivors every 15.2 minutes as well

Suicide Methods	Number	Rate	Percent of Total		Number	Rate	Percent of Total
Firearm suicides	17,352	5.8	50.2%	All but Firearms	17,246	5.7	49.8%
Suffocation/Hanging	8,161	2.7	23.6%	Poisoning	6,358	2.1	18.4%
Cut/pierce	619	0.2	1.8%	Drowning	358	0.1	1.0%

U.S.A. Suicide Rates 1997-2007												15 Leading Causes of Death in the U.S.A., 2007			
(Rates per 100,000 population)												(total of 2,423,712 deaths; 803.6 rate)			
Group/ Age	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	Group/ Age	Rank & Cause of Death	Rate	Deaths
5-14	0.8	0.8	0.6	0.8	0.7	0.6	0.6	0.7	0.7	0.5	0.5	5-14	1 Diseases of heart (heart disease)	204.3	616,067
15-24	11.4	11.1	10.3	10.4	9.9	9.9	9.7	10.3	10.0	9.9	9.7	15-24	2 Malignant neoplasms (cancer)	186.6	562,875
25-34	14.3	13.8	13.5	12.8	12.8	12.6	12.7	12.7	12.4	12.3	13.0	25-34	3 Cerebrovascular diseases (stroke)	45.1	135,952
35-44	15.3	15.4	14.4	14.6	14.7	15.3	14.9	15.0	14.9	15.1	15.6	35-44	4 Chronic lower respiratory diseases	42.4	127,924
45-54	14.7	14.8	14.2	14.6	15.2	15.7	15.9	16.6	16.5	17.2	17.7	45-54	5 Accidents (unintentional injuries)	41.0	123,706
55-64	13.5	13.1	12.4	12.3	13.1	13.6	13.8	13.8	13.9	14.5	15.5	55-64	6 Alzheimer's disease	24.7	74,632
65-74	14.4	14.1	13.6	12.6	13.3	13.5	12.7	12.3	12.6	12.6	12.6	65-74	7 Diabetes mellitus (diabetes)	23.7	71,382
75-84	19.3	19.7	18.3	17.7	17.4	17.7	16.4	16.3	16.9	15.9	16.3	75-84	8 Influenza & pneumonia	17.5	52,717
85+	20.8	21.0	19.2	19.4	17.5	18.0	16.9	16.4	16.9	15.9	15.6	85+	9 Nephritis, nephrosis (kidney disease)	15.4	46,448
65+	16.8	16.9	15.9	15.3	15.3	15.6	14.6	14.3	14.7	14.2	14.3	65+	10 Septicemia	11.5	34,828
Total	11.4	11.3	10.7	10.7	10.8	11.0	10.8	11.0	11.0	11.1	11.5	Total	11 Suicide [Intentional Self-Harm]	11.5	34,598
Men	18.7	18.6	17.6	17.5	17.6	17.9	17.6	17.7	17.7	17.8	18.3	Men	12 Chronic liver disease and cirrhosis	9.7	29,165
Women	4.4	4.4	4.1	4.1	4.1	4.3	4.3	4.6	4.5	4.6	4.8	Women	13 Essential hypertension and renal disease	7.9	23,965
White	12.4	12.4	11.7	11.7	11.9	12.2	12.1	12.3	12.3	12.4	12.9	White	14 Parkinson's disease	6.7	20,058
Nonwh	6.5	6.2	6.0	5.9	5.6	5.5	5.5	5.8	5.5	5.5	5.6	NonWh	15 Homicide [Assault]	6.1	18,361
Black	6.2	5.7	5.6	5.6	5.3	5.1	5.1	5.2	5.1	4.9	4.9	Black	- All other causes (Residual)	149.5	451,034

Old made up 12.6% of 2007 population but represented 15.7% of the suicides.

Young were 14.1% of 2007 population and comprised 12.0% of the suicides.

1,010,953 Years of Potential Life Lost Before Age 75 (31,621 of 34,598 suicides below age 75)

Many figures appearing here are derived or calculated from data in the following *official data source*: J. Xu, K. D. Kochanek, S. L. Murphy, & B. Tejada-Vera. (2010, May). Deaths: Final Data for 2007. *National Vital Statistics Reports*, 58(19). [www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58\\_19.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf) obtained 20 May 2010.

SAMHSA 2009 study: <http://www.samhsa.gov/newsroom/advisories/090917suicide0907.aspx>

number of suicides by group

**Suicide Data Page: 2007**

## Rate, Number, and Ranking of Suicide for Each U.S.A. State\*, 2007

Rank	State [Division] (2006 rank)	Deaths	Rate	Division [Abbreviation]	Rate	Number
1	Alaska [P] (2)	149	21.8	Mountain [M] .....	16.8	3,597
2	Montana [M] (3)	196	20.5	East South Central [ESC] .....	13.8	2,481
3	New Mexico [M] (5)	401	20.4	West North Central [WNC] .....	12.3	2,462
4	Wyoming [M] (1)	101	19.3	South Atlantic [SA] .....	12.1	7,020
5	Nevada [M] (4)	471	18.4	<b>Nation</b> .....	<b>11.5</b>	<b>34,598</b>
6	Colorado [M] (9)	811	16.7	West South Central [WSC].....	11.2	3,888
7	West Virginia [SA] (12T)	300	16.6	Pacific [P] .....	11.0	5,343
8	Arizona [M] (7)	1,016	16.0	East North Central [ENC].....	10.9	5,053
9	Oregon [P] (8)	594	15.9	New England [NE] .....	9.3	1,321
10	Kentucky [ESC] (12T)	649	15.3	Middle Atlantic [MA].....	8.5	3,433
11	Idaho [M] (10)	223	14.9			
11	North Dakota [WNC] (15T)	95	14.9	<u>Region [Subdivision Abbreviations]</u>	<u>Rate</u>	<u>Number</u>
13	Oklahoma [WSC] (11)	531	14.7	West (M, P).....	12.8	8,940
14	Maine [NE] (28)	191	14.5	South (ESC, WSC, SA) .....	12.1	13,389
15	Utah [M] (15T)	378	14.3	Midwest (WNC, ENC) .....	11.3	7,515
15	Vermont [NE] (22)	89	14.3	<b>Nation</b> .....	<b>11.5</b>	<b>34,598</b>
17	Arkansas [WSC] (20)	402	14.2	Northeast (NE, MA) .....	8.7	4,754
17	Florida [SA] (19)	2,587	14.2			
19	Kansas [WNC] (17T)	382	13.8			
20	Missouri [WNC] (17T)	808	13.7			
20	Tennessee [ESC] (14)	844	13.7			
22	Mississippi [ESC] (35T)	396	13.6			
23	Washington [P] (23T)	865	13.4			
24	Wisconsin [ENC] (26T)	729	13.0			
25	Alabama [ESC] (23T)	592	12.8			
25	South Dakota [WNC] (6)	102	12.8			
27	Indiana [ENC] (21)	790	12.5			
28	Louisiana [WSC] (29T)	522	12.2			
29	New Hampshire [NE] (29T)	158	12.0			
29	South Carolina [SA] (26T)	530	12.0			
31	North Carolina [SA] (25)	1,077	11.9			
32	Pennsylvania [MA] (35T)	1,441	11.6			
	<b>United States - Total</b>	<b>34,598</b>	<b>11.5</b>			
33	Virginia [SA] (29T)	880	11.4			
34	Ohio [ENC] (29T)	1,295	11.3			
35	Michigan [ENC] (34)	1,131	11.2			
36	Delaware [SA] (38T)	95	11.0			
36	Minnesota [WNC] (38T)	572	11.0			
38	Iowa [WNC] (35T)	322	10.8			
39	Georgia [SA] (41)	997	10.4			
39	Hawaii [P] (42)	133	10.4			
41	Nebraska [WNC] (33)	181	10.2			
41	Texas [WSC] (40)	2,433	10.2			
43	California [P] (43)	3,602	9.9			
44	Maryland [SA] (44)	518	9.2			
45	Rhode Island [NE] (45)	96	9.1			
46	Illinois [ENC] (47)	1,108	8.6			
47	Massachusetts [NE] (48)	516	8.0			
48	Connecticut [NE] (46)	271	7.7			
49	New York [MA] (49)	1,396	7.2			
50	New Jersey [MA] (50)	596	6.9			
51	District of Columbia [SA] (51)	36	6.1			

**Source:** J. Xu, K. D. Kochanek, S. L. Murphy, & B. Tejada-Vera. (2010, May). Deaths: Final Data for 2007. *National Vital Statistics Reports*, 58(19). [www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58\\_19.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr58/nvsr58_19.pdf) obtained 20 May 2010. [Note: divisional and regional figures were calculated from state data; state mortality data appear in Table 29 and population data appear in Table VII ]

[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: 2007  
23 May 2010

Prepared by John L. McIntosh, Ph.D. for



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

Visit the AAS website at:  
<http://www.suicidology.org>

*Caution: Annual fluctuations in state levels combined with often relatively small populations can make these data highly variable.*

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# Notes

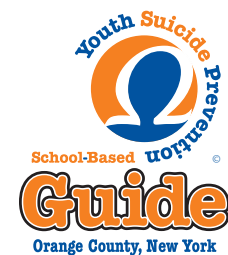
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## New York and National Statistics

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# Notes

## New York and National Statistics



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### Prepared by

Stephen Roggenbaum

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### 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.

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