

DEATHS AND INJURIES

Key findings

■ Deaths

- Fewer Illinois children are dying:
 - The infant mortality rate has dropped 18.9 percent, from a rate of 9.0 in 1994 to 7.3 in 2004.
 - Deaths to all children has dropped 11.1 percent from 2000 to 2004.
- But children who are black are more than twice as likely to die before their first birthday—the infant mortality rate was 14.8 for blacks in 2004, compared with 6.0 for Hispanics and 5.9 for whites.
- Transport accidents are the leading cause of accidental deaths for all children as well as for children ages 6 to 14. Falls are the leading cause of accidental deaths for children age 5 and younger.

■ Injuries

- The child abuse and neglect rate has dropped significantly, from a rate of 10.2 per 1,000 children in 1997 to 7.4 in 2005.
- Children who are black are more than twice as likely as white or Hispanic children to be abused or neglected. The abuse and neglect rate was 13.5 in 2005 for black children, compared with 6.4 for white children and 2.7 for Hispanic children.

Illinois Infant Mortality Rate*

	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Change	Goal
All	9.0	9.3	8.4	8.2	8.2	8.3	8.3	7.5	7.2	7.6	7.3	-18.9%	4.5
White	6.7	7.2	6.3	6.2	6.3	6.2	6.5	5.9	5.2	6.1	5.9	-11.9%	
Black	17.9	18.2	17.1	16.5	16.8	17.4	16.3	14.9	15.7	15.6	14.8	-17.3%	
Hispanic	7.0	6.5	6.4	6.9	6.5	NA	NA	5.6	NA	6.2	6.0	-14.3%	

* Children who die before their first birthday. Calculated as a rate per 1,000 live births.

+ Healthy People 2010 goal

Source: Illinois Department of Public Health

Illinois Child Deaths

	2000	2001	2002	2003	2004	Change
Number	2,466	2,359	2,234	2,279	2,192	-11.1%
Rate*	7.6	7.3	6.9	7.0	6.8	-11.1%

* Rate is calculated as deaths per 10,000 children

Source: Illinois Department of Public Health



Accidental Deaths to Illinois Children 15 and Younger

	2000	2001	2002	2003	2004
All	258	225	246	206	198
5 and younger	142	10	128	104	113
6 to 10	51	48	50	38	27
11 to 15	65	67	68	64	58

Source: Illinois Department of Public Health

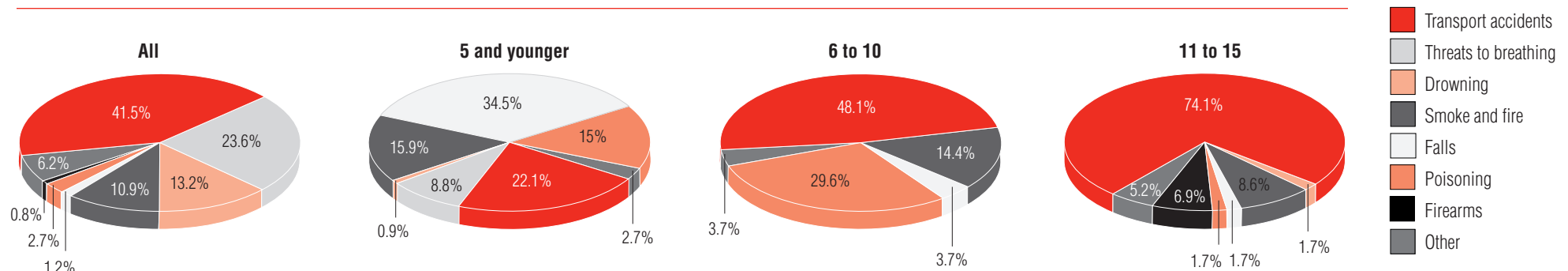
Illinois Child Abuse and Neglect Rate*

	1997	1998	1999	2000	2001	2002	2003	2004	2005
All	10.2	9.3	8.7	8.3	7.5	7.0	7.4	7.4	7.4
White							6.0	6.2	6.4
Black							14.5	13.5	13.5
Hispanic							3.2	3.1	2.7

* Rate per 1,000 children

Source: Children and Family Research Center at the University of Illinois at Urbana-Champaign

Accidental Deaths to Illinois Children 15 and Younger, 2004



Source: Illinois Department of Public Health



INFANT MORTALITY RATE (per 1,000 live births)

Definition: The infant mortality rate reflects the number of children who die before their first birthday. The infant mortality rate is calculated by dividing the number of infant deaths for a five-year period by the number of live births during those years and multiplying by 1,000. Rates are only calculated when there are 10 or more cases in a five-year period. Data are grouped into five-year periods in order to collect a large enough sample to do county-level comparisons.

Source: Illinois Department of Public Health

	1995-99	2000-04	% change
Illinois	8.5	7.6	-10.6
Adams	5.7	7.2	26.3
Alexander	11.8	10.5	-11.0
Bond	8.2	8.0	-2.4
Boone	7.6	5.1	-32.9
Brown	0.0	3.3	NA
Bureau	7.4	5.1	-31.1
Calhoun	4.2	3.9	-7.1
Carroll	10.1	8.6	-14.9
Cass	3.4	12.4	264.7
Champaign	6.7	8.7	29.9
Christian	7.6	7.5	-1.3
Clark	4.2	4.2	0.0
Clay	7.0	5.6	-20.0
Clinton	4.0	6.0	50.0
Coles	8.5	6.2	-27.1
Cook	10.0	8.5	-15.0
Crawford	7.3	3.0	-58.9
Cumberland	5.9	3.2	-45.8
De Kalb	5.5	7.4	34.5
De Witt	7.1	9.6	35.2
Douglas	5.6	7.3	30.4
Du Page	6.2	6.5	4.8
Edgar	8.1	7.6	-6.2
Edwards	11.3	20.2	78.8
Effingham	5.1	5.7	11.8
Fayette	8.4	3.2	-61.9
Ford	10.1	10.5	4.0
Franklin	7.9	7.5	-5.1
Fulton	5.8	5.4	-6.9
Gallatin	3.1	8.7	180.6
Greene	7.7	2.4	-68.8
Grundy	9.6	8.4	-12.5
Hamilton	6.8	15.7	130.9
Hancock	4.7	6.5	38.3
Hardin	0.0	0.0	NA
Henderson	2.5	5.8	132.0
Henry	6.3	7.1	12.7
Iroquois	6.2	5.7	-8.1
Jackson	10.9	8.3	-23.9
Jasper	10.1	6.9	-31.7
Jefferson	6.9	4.6	-33.3
Jersey	5.0	6.0	20.0
Jo Daviess	2.5	8.6	244.0
Johnson	8.7	3.0	-65.5
Kane	7.5	6.3	-16.0
Kankakee	8.0	11.0	37.5
Kendall	6.0	6.7	11.7
Knox	5.7	7.5	31.6
Lake	5.7	5.2	-8.8
LaSalle	6.6	6.1	-7.6
Lawrence	10.7	7.5	-29.9
Lee	8.2	6.3	-23.2

	1995-99	2000-04	% change
Livingston	5.6	8.9	58.9
Logan	7.2	6.0	-16.7
Macon	10.0	8.9	-11.0
Macoupin	4.4	7.5	70.5
Madison	7.8	7.8	0.0
Marion	8.1	7.5	-7.4
Marshall	8.4	7.4	-11.9
Mason	10.7	5.3	-50.5
Massac	0.0	4.3	NA
McDonough	7.5	6.2	-17.3
McHenry	5.2	4.4	-15.4
McLean	7.9	8.0	1.3
Menard	5.8	7.3	25.9
Mercer	7.7	1.1	-85.7
Monroe	3.2	4.0	25.0
Montgomery	5.8	2.4	-58.6
Morgan	8.8	7.6	-13.6
Moultrie	4.4	8.6	95.5
Ogle	5.7	7.5	31.6
Peoria	9.2	9.1	-1.1
Perry	6.0	4.0	-33.3
Piatt	4.3	9.0	109.3
Pike	3.1	3.3	6.5
Pope	5.1	6.4	25.5
Pulaski	10.0	14.3	43.0
Putnam	11.7	6.6	-43.6
Randolph	9.6	7.3	-24.0
Richland	4.8	9.3	93.8
Rock Island	8.2	6.9	-15.9
St. Clair	10.0	9.2	-8.0
Saline	3.9	11.0	182.1
Sangamon	9.1	9.0	-1.1
Schuyler	7.1	2.7	-62.0
Scott	6.2	3.1	-50.0
Shelby	5.3	5.8	9.4
Stark	7.7	5.7	-26.0
Stephenson	6.5	7.6	16.9
Tazewell	6.5	8.0	23.1
Union	7.7	1.9	-75.3
Vermillion	9.9	8.6	-13.1
Wabash	12.2	2.8	-77.0
Warren	2.8	5.9	110.7
Washington	5.0	6.9	38.0
Wayne	8.4	9.2	9.5
White	1.2	0.0	-100.0
Whiteside	4.6	5.1	10.9
Will	7.7	6.3	-18.2
Williamson	8.3	4.9	-41.0
Winnebago	7.9	8.0	1.3
Woodford	7.7	7.0	-9.1
Chicago	11.3	9.2	-18.6

Ethnic and Racial Disparities in Infant Mortality: The Persistent Challenge

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Although the Illinois infant mortality rate is still too high and unacceptable ethnic and racial disparities persist, there have been exemplary accomplishments within Illinois Department of Human Services' Maternal and Child Health programs in reducing infant mortality and improving overall maternal child health in Illinois. In 2003, The Illinois infant mortality rate reached the third lowest rate on record with 7.6 deaths for every 1,000 live births.

Illinois' ranking among the states has improved dramatically over the past two decades, with most of the progress occurring since 1990. In 1980, Illinois' infant mortality rate ranked 47th among the states and the District of Columbia. By 1990 the state's ranking was 44th and by 2003 the state had moved up to 28th. The Special Supplemental Nutrition Program for Women, Infants and Children—better known as the WIC Program and the Illinois Family Case Management Programs in collaboration with a number of other initiatives supported by the Maternal and Child Health Block Grant and other federal and local initiatives (e.g. Healthy Start and Closing the Gap—two federally funded initiatives; Targeted Intensive Prenatal Case Management—an intensive case management program supported with Illinois General Revenue funds) have all played key roles in reducing the infant mortality rate in Illinois.

Seven consecutive annual evaluations have shown that participation in WIC and Family Case Management (FCM) during pregnancy substantially improves infant health. A recent in-depth analysis of Medicaid-eligible WIC and FCM participants has shown that these programs reduce the very low birth weight among program participants by 24 percent after controlling for differences in demographic and behavioral characteristics.

While Illinois has made progress in the reduction of infant mortality, a significant disparity in infant mortality rates persists between African American and Caucasian infants. An African American infant born in Illinois during 2003 was 2.6 times more likely than a Caucasian infant to die before reaching his/her first birthday. The death of an infant is a sentinel event and affects all communities. Health outcomes differ among population groups because of social, economic and other factors. Poverty, lack of access to quality prenatal care, smoking, substance

abuse, poor nutrition and chronic illness all can have an impact on pregnancy and birth outcomes. Differentials in exposures to stress, racism and the availability of social support are other possible explanations for the persistent disparities in pregnancy and birth outcomes between African Americans and White Americans.

In summary, while progress has been made, the overall infant mortality rate mask severe disparities in infant mortality experienced by some ethnic groups in Illinois. The Illinois Department of Human Services has established goals to improve health outcomes for all of our citizens, and the elimination of disparities remains our top priority. The Department's targeted infant mortality reduction initiatives—the Chicago Healthy Start Initiative, Targeted Intensive Prenatal Case Management Project and Closing the Gap are promising interventions that address this unacceptable loss of life.



CHILD ABUSE AND NEGLECT (rate per 1,000 children)

Definition: Data include all indicated cases, those that the Illinois Department of Children and Family Services found evidence that abuse or neglect occurred. This number is smaller than reported cases, some of which eventually prove unfounded. Cases with incomplete addresses are not included, and data are for unduplicated counts. Rates are calculated by dividing the number of children in foster care each year by the child population and multiplying the result by 1,000.

Source: Children and Family Research Center at the University of Illinois at Urbana-Champaign

	1997	1998	1999	2000	2001	2002	2003	2004	2005	% change
Illinois	10.2	9.3	8.7	8.3	7.5	7.0	7.4	7.4	7.4	-27.5
Adams	14.6	16.5	12.0	13.6	14.2	11.5	10.2	13.2	17.8	22.0
Alexander	22.2	22.2	23.0	14.9	9.3	13.5	5.2	18.0	4.1	-81.8
Bond	13.7	12.4	10.1	15.3	7.3	9.2	5.9	7.4	9.8	-28.4
Boone	7.6	8.8	7.0	5.4	5.9	4.5	4.0	3.6	4.3	-42.5
Brown	11.3	8.1	12.2	8.1	5.7	13.9	2.5	11.5	7.4	-34.6
Bureau	11.4	7.1	7.2	8.3	9.8	9.5	4.5	6.4	7.8	-31.6
Calhoun	6.9	1.7	0.9	14.6	16.3	9.6	3.5	2.7	1.8	-73.6
Carroll	14.1	16.3	14.1	17.5	16.8	16.0	13.5	12.3	8.1	-42.7
Cass	17.0	15.0	11.5	8.6	20.2	11.8	18.5	12.1	13.3	-21.8
Champaign	15.7	12.4	12.2	16.6	14.1	14.2	10.8	13.2	11.2	-28.7
Christian	21.8	10.6	9.4	8.0	11.1	11.6	9.7	15.4	14.0	-35.9
Clark	12.3	9.0	12.5	10.6	10.2	15.8	12.5	13.1	13.5	9.6
Clay	12.3	12.6	13.8	16.7	17.2	22.0	12.0	16.7	12.4	0.1
Clinton	11.2	7.0	8.5	9.5	6.3	5.2	5.5	6.8	7.9	-29.1
Coles	18.0	16.6	12.1	12.1	12.5	16.9	16.1	16.3	17.2	-4.7
Cook	9.8	8.6	7.3	6.7	6.1	5.7	5.3	4.8	4.6	-53.1
Crawford	14.4	15.7	15.0	13.5	13.9	13.4	14.5	12.3	10.6	-26.0
Cumberland	12.1	12.1	7.1	9.4	7.4	9.1	7.4	7.5	7.1	-41.1
De Kalb	12.3	12.0	6.7	8.4	8.6	6.2	6.4	5.3	4.8	-61.1
De Witt	18.4	20.6	20.1	15.8	11.9	9.8	7.4	11.9	7.7	-58.2
Douglas	5.4	6.9	13.5	6.1	6.5	5.4	3.9	5.8	4.3	-19.4
Du Page	2.7	2.4	2.3	1.7	1.9	1.9	1.6	1.4	2.0	-28.7
Edgar	13.8	13.6	15.7	10.2	11.7	14.2	12.3	8.5	13.8	-0.5
Edwards	13.1	10.0	12.4	13.7	15.6	9.6	7.1	12.4	14.6	11.5
Effingham	9.4	13.7	10.3	8.7	5.6	7.4	5.3	5.8	8.0	-15.1
Fayette	22.2	18.3	14.6	12.1	15.6	10.8	6.8	8.7	4.2	-80.9
Ford	18.5	7.6	9.5	11.4	16.9	11.2	12.8	13.6	13.8	-25.3
Franklin	15.4	16.2	12.5	21.3	9.8	10.7	10.6	13.1	15.3	-0.4
Fulton	19.6	20.1	14.4	17.2	13.0	14.8	10.3	12.0	12.1	-38.2
Gallatin	17.5	14.7	18.9	24.5	26.6	32.2	19.6	18.3	14.1	-19.3
Greene	18.4	12.5	13.6	12.5	16.8	19.7	13.9	9.0	12.1	-33.9
Grundy	5.7	4.4	2.1	4.5	5.6	5.1	4.2	3.2	4.1	-28.5
Hamilton	12.6	8.2	13.1	19.4	15.0	13.5	10.1	5.3	13.8	10.0
Hancock	15.2	13.1	11.7	12.9	16.4	9.3	4.2	7.4	9.2	-39.5
Hardin	17.3	22.4	11.2	14.3	11.2	7.5	0.0	1.1	0.0	-100.0
Henderson	13.2	8.4	7.4	9.5	10.0	7.5	1.1	0.5	1.1	-91.6
Henry	11.2	13.3	11.2	9.0	7.7	10.9	9.5	8.9	12.9	15.3
Iroquois	11.8	9.8	10.2	7.1	6.9	6.7	7.3	7.9	10.5	-11.3
Jackson	18.4	14.7	16.1	15.3	14.9	14.6	11.6	12.4	12.2	-33.6
Jasper	10.7	8.8	11.1	5.3	6.5	3.5	3.2	10.1	6.1	-42.6
Jefferson	19.6	11.3	16.0	16.8	19.8	16.0	13.9	14.4	18.6	-5.0
Jersey	9.4	8.9	9.1	12.7	10.9	9.5	5.8	9.1	4.9	-48.0
Jo Daviess	8.1	9.3	8.3	8.9	11.2	10.3	8.2	5.9	11.6	42.8
Johnson	9.3	11.0	5.5	9.3	10.6	7.5	7.9	10.0	7.4	-20.2
Kane	7.9	8.3	7.9	6.6	5.6	4.9	4.2	4.2	3.8	-52.0
Kankakee	16.5	14.3	13.8	15.2	12.5	13.3	10.2	8.8	8.5	-48.6
Kendall	6.1	6.2	4.5	5.5	3.8	3.2	3.2	2.5	2.5	-59.0
Knox	21.2	26.2	19.4	20.5	17.1	15.6	13.4	15.7	17.1	-19.3
Lake	5.8	5.6	5.8	5.2	4.8	5.4	4.7	4.7	5.1	-11.9
LaSalle	19.2	19.9	16.9	16.1	15.5	13.8	12.8	12.5	14.5	-24.4
Lawrence	16.8	13.4	15.7	13.4	18.2	10.7	7.6	14.1	15.7	-6.4
Lee	17.2	13.9	17.2	14.6	14.8	13.5	9.7	10.7	10.0	-42.1

CHILD ABUSE AND NEGLECT (rate per 1,000 children) Continued

	1997	1998	1999	2000	2001	2002	2003	2004	2005	% change
Livingston	17.5	14.8	21.3	18.7	11.8	14.4	11.8	12.2	11.6	-34.0
Logan	9.8	11.7	13.3	14.2	10.1	12.5	11.2	13.0	10.5	6.6
Macon	11.7	11.5	11.1	11.9	12.0	10.0	8.9	11.2	9.9	-15.0
Macoupin	12.7	13.0	12.6	10.9	9.5	13.2	11.1	9.8	11.3	-11.1
Madison	15.7	15.3	14.1	13.0	12.9	12.8	10.1	9.7	8.7	-44.4
Marion	20.0	21.3	25.9	23.9	22.2	18.1	18.1	17.1	21.1	5.8
Marshall	9.7	8.1	6.1	8.7	8.4	8.5	2.0	4.3	7.2	-25.3
Mason	14.6	13.6	11.5	15.3	15.6	19.0	13.1	11.1	17.6	20.6
Massac	10.3	11.7	12.9	21.5	10.0	14.6	9.2	13.5	11.5	11.2
McDonough	19.1	20.1	16.3	12.9	12.5	9.0	11.9	12.8	8.2	-57.1
McHenry	8.5	6.9	6.4	6.1	4.5	4.3	4.1	4.5	4.5	-47.2
McLean	14.4	16.9	18.8	16.8	11.1	11.1	9.8	11.7	12.4	-13.4
Menard	3.9	7.5	8.8	7.2	17.5	10.4	5.3	7.3	8.7	121.3
Mercer	11.7	9.5	9.3	6.4	11.2	8.0	9.0	11.1	6.5	-44.6
Monroe	4.2	3.8	3.4	5.2	4.1	2.9	1.9	3.6	6.4	49.6
Montgomery	10.9	13.9	8.8	12.1	11.1	10.3	11.4	12.7	11.7	7.6
Morgan	16.8	15.6	12.3	9.1	13.1	16.1	14.0	19.0	13.9	-17.1
Moultrie	10.6	4.4	8.4	7.9	6.8	10.6	4.9	3.3	5.1	-51.6
Ogle	11.4	13.8	7.3	7.3	6.0	7.7	6.9	6.6	6.8	-40.7
Peoria	18.8	18.4	19.6	18.1	13.0	13.5	11.2	12.3	13.0	-31.2
Perry	9.4	13.0	12.2	13.0	9.6	8.4	6.7	7.0	11.6	22.3
Piatt	4.6	3.2	5.1	3.9	7.3	5.3	5.8	6.3	2.2	-53.2
Pike	11.2	18.9	11.7	4.3	4.5	11.5	2.4	4.1	7.1	-37.2
Pope	6.3	16.9	12.6	21.1	9.5	6.4	0.0	0.0	1.1	-82.8
Pulaski	7.0	19.5	29.6	16.0	13.0	16.3	5.7	3.1	5.2	-25.6
Putnam	10.5	10.5	4.6	3.9	7.9	15.1	7.2	5.9	3.9	-62.4
Randolph	15.7	13.3	13.7	12.5	14.3	9.8	7.3	7.0	12.3	-21.9
Richland	20.2	23.2	21.9	21.7	19.7	24.6	21.0	17.0	21.9	8.3
Rock Island	19.5	16.4	17.7	18.6	14.0	13.6	13.2	16.3	15.5	-20.4
St. Clair	17.1	13.8	14.7	13.0	10.1	8.4	8.1	6.9	8.8	-48.6
Saline	18.7	23.7	20.4	20.4	24.2	19.5	17.2	17.7	19.1	2.0
Sangamon	12.7	14.5	14.6	14.0	14.4	11.9	10.0	12.2	14.1	10.5
Schuyler	9.0	4.8	7.2	12.1	4.8	14.9	4.4	1.9	5.8	-35.9
Scott	11.5	12.9	4.3	5.0	4.3	3.6	2.2	3.7	3.7	-67.8
Shelby	12.0	6.1	6.5	8.6	8.2	8.6	4.9	3.7	5.5	-54.7
Stark	10.7	10.7	6.9	13.2	10.1	7.6	5.8	1.9	6.5	-39.2
Stephenson	13.0	9.3	12.7	9.3	8.5	5.8	7.6	9.5	10.9	-16.1
Tazewell	12.4	11.4	13.1	12.0	12.3	11.1	10.5	10.3	10.5	-15.1
Union	10.9	10.1	11.3	10.9	16.5	12.0	14.3	15.7	17.1	57.0
Vermilion	20.5	18.9	15.8	16.3	16.5	13.4	12.3	19.2	15.7	-23.7
Wabash	17.9	15.6	17.9	11.8	15.3	8.4	3.9	11.2	7.3	-59.0
Warren	23.3	23.0	19.3	17.5	20.0	14.0	13.2	13.7	14.1	-39.3
Washington	5.2	5.2	9.1	5.2	4.7	8.9	7.4	6.6	6.6	26.4
Wayne	9.3	9.3	13.3	10.8	9.3	9.9	6.0	5.3	7.1	-24.2
White	18.7	18.4	13.3	14.2	14.5	18.8	17.5	15.5	13.8	-26.1
Whiteside	11.0	15.1	15.2	15.1	13.0	12.3	12.1	12.9	13.3	20.9
Will	3.5	2.9	3.7	4.5	4.0	3.8	3.1	3.1	2.5	-29.3
Williamson	13.4	11.9	14.0	21.6	12.6	12.9	12.3	13.7	16.4	22.6
Winnebago	13.2	12.4	12.6	12.4	11.7	10.4	11.3	11.7	12.8	-3.5
Woodford	9.2	8.8	7.8	7.7	5.7	4.7	3.9	4.1	7.7	-16.3
Chicago	14.3	12.5	10.4	9.0	8.0	4.4	6.9	6.2	5.7	-60.1

