



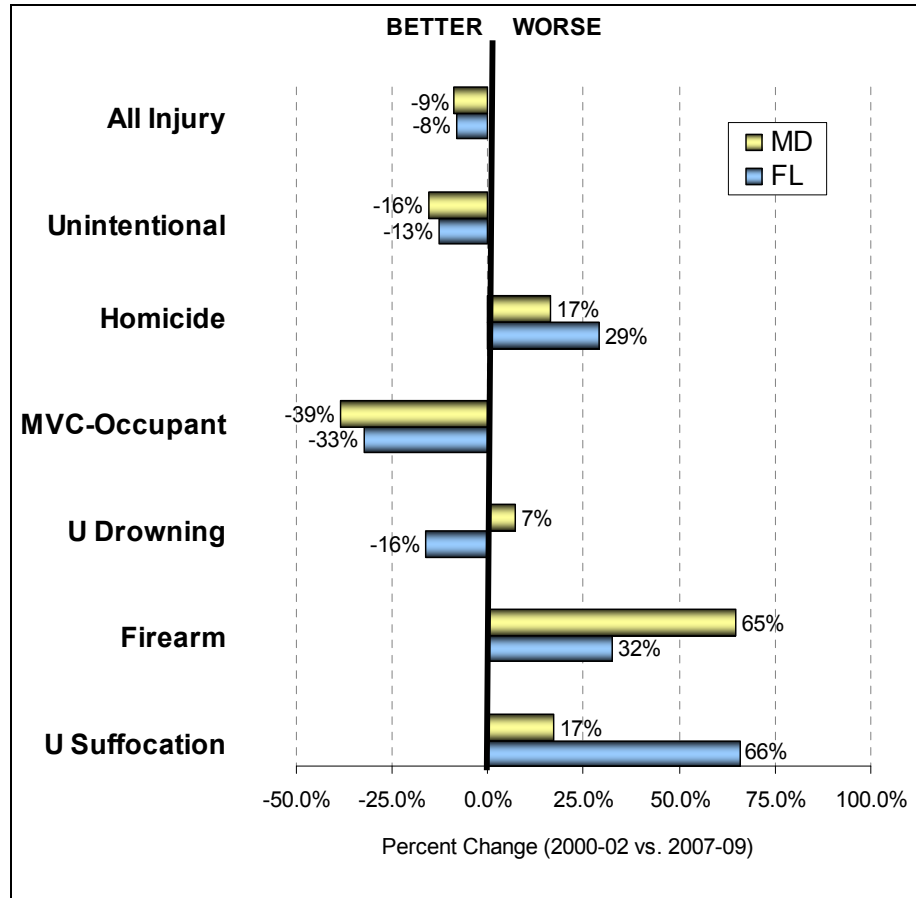
Jun 2011

Trends in Injury Deaths, Children Aged 0-17 Years Miami-Dade County vs. Florida, 2000-2009

Miami-Dade County Injury Facts

This report examines trends in injury mortality during the period 2000-2009, comparing injury rates for Miami-Dade County children aged 0-17 years with comparably aged Florida children.

The graph below compares the percent change in Miami-Dade and Florida 3-year average mortality rates between 2000-02 and 2007-09 for the most common causes of child death.

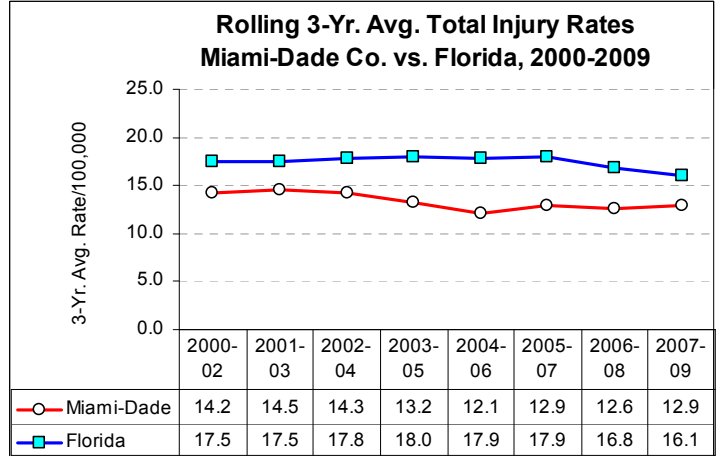


- Three types of child death have increased in the county since 2000: homicide (+17%), firearms (+65%) and unintentional suffocation (+17%).
- Statewide, child homicide (+29%) increased at twice the rate observed locally and child suffocation death rates (+66%) increased more than 3-times the county rate. Firearm deaths (+32%) increased at one-half the county firearm rate.
- Motor vehicle crash deaths (-39%) showed the greatest decline locally since 2000. This was comparable to the reduction in MVC deaths seen for the state (-33%).
- Unintentional drowning declined 16% in the county over this period. However, the 19 child drowning deaths that occurred in Miami-Dade during 2009 was the most since 20 deaths in 2000. Statewide, unintentional drowning increased 7% since 2000.

Trends in Injury Deaths by Injury Intent

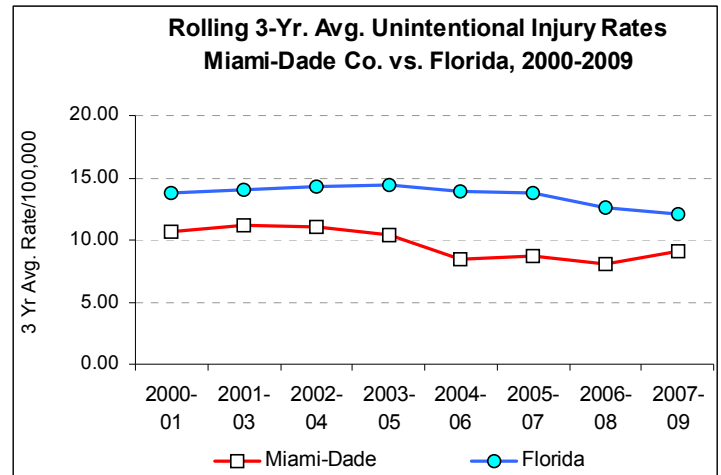
Total Injury Death Rates Children Aged 0-17

- This figure compares total injury death rates for Miami-Dade County and Florida averaged every three years between 2000-2009.
- Both Miami-Dade (-9%) and Florida (-8%) experienced slight declines in total injury death rates over this period. Miami-Dade's injury rates were consistently lower than the state injury rates over this period (range: -21% to -49%).



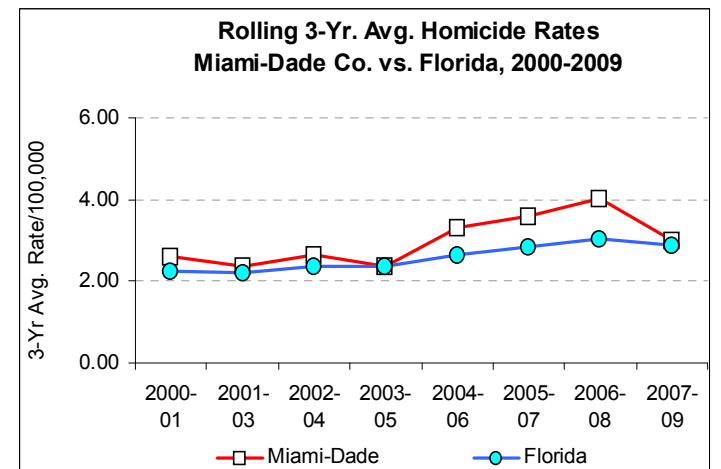
Unintentional Injury Death Rates Children Aged 0-17

- The county's 3-year average rate for child unintentional injury deaths declined to its lowest level in 2004-06, but since then has remained unchanged.
- The statewide rate for child unintentional injury deaths has decreased slowly every year since 2003-05. The gap between Miami-Dade and the state was smallest in 2007-09.



Homicide Rates, Children Aged 0-17

- After 2003-05, both the county and state saw child homicide rates increase 3 consecutive years, with the rate of increase much greater in Miami-Dade.
- Both Miami-Dade and the state reversed this upward trend during 2007-09.
- In Miami-Dade, the homicide incidence for the years 2007-2009 was 21, 24, 18 deaths respectively.



Suicides, Children Aged 0-17

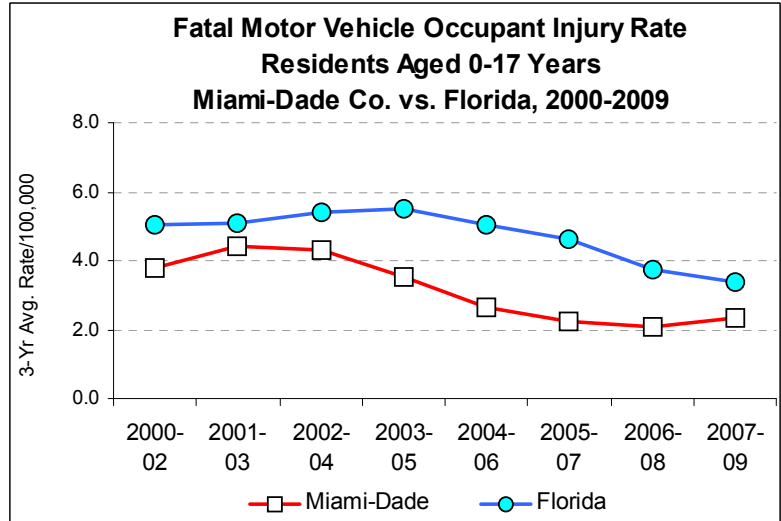
- Because youth suicides are relatively rare events, stable rates cannot be computed for comparison with the state. During 2009, the county experienced 7 youth suicides, the highest incidence this decade.

Age 0-17	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Suicides	2	6	6	3	1	3	1	5	3	7

Trends in Injury Deaths for Selected Injury Mechanisms and Age Groups

Motor Vehicle Occupant Deaths Children Aged 15-17

- More than one-half of all the MVC-occupant deaths to juveniles occurred to children aged 15-17 years. The county MVC death rate for 15-17 year olds was lower than the state rate for every 3 year period.
- The county MVC death rate declined between 2001-2003 (25 avg. deaths/year) and 2005-2007 (13 avg. deaths/year), but since then has remained unchanged.
- The state MVC-occupant death rate for 15-17 year olds peaked in 2003-05 but has steadily decreased 33% by 2007-09.

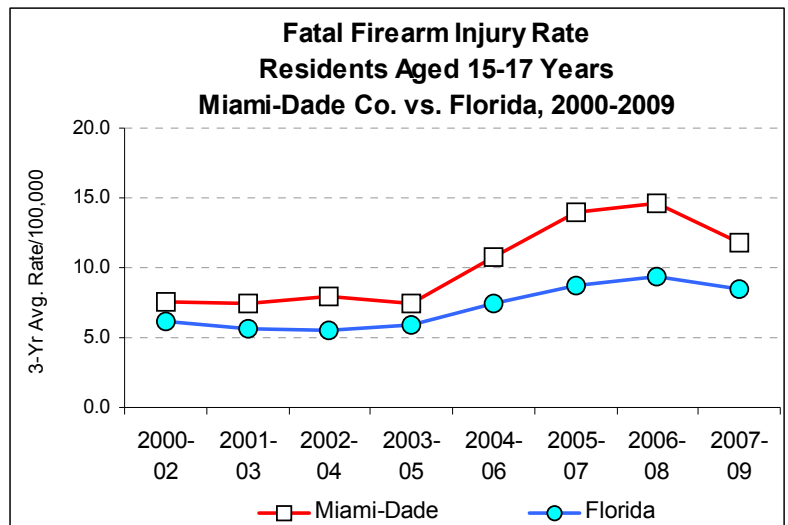


- MVC-occupant deaths to county children age 0-8, which corresponds to the ages children should be restrained in a child safety seat, peaked in 2004 with 8 deaths. Since 2004 the county has experienced few MVC deaths to this age group, with only 2 deaths occurring between 2006-2008. This pattern was broken in 2009 when 5 MVC fatalities occurred.

Age 0-8	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
MVC Deaths	5	3	6	7	8	3	0	1	1	5

Firearm Deaths Children Aged 15-17

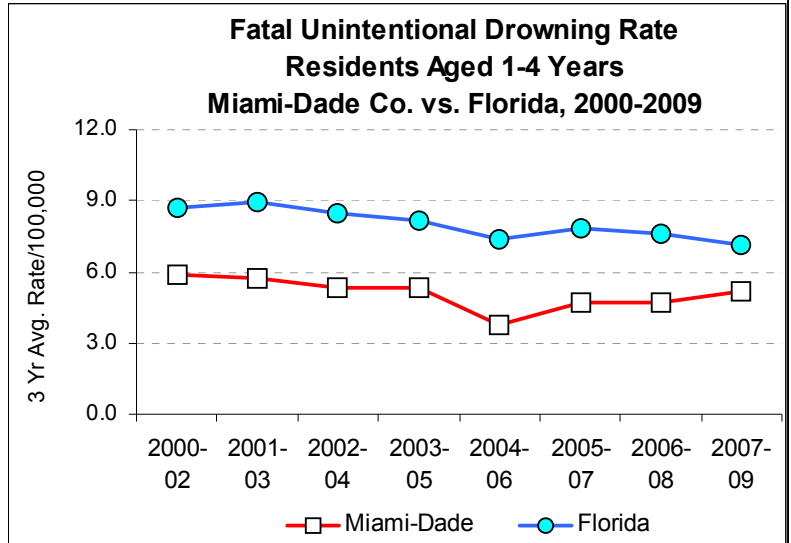
- More than 3/4 of all fatal firearm injuries to juveniles occurred to children aged 15-17 years.
- The county firearm rate accelerated rapidly after 2003-05 (11 avg. deaths/year), peaked in 2006-08 (20 avg. deaths/year), then experienced a decrease in 2007-09.
- The state demonstrated a similar but more subtle pattern of increasing firearm death rates between 2003-05 and 2006-08 followed by a decrease in 2007-09.



Trends in Injury Deaths for Selected Injury Mechanisms and Age Groups

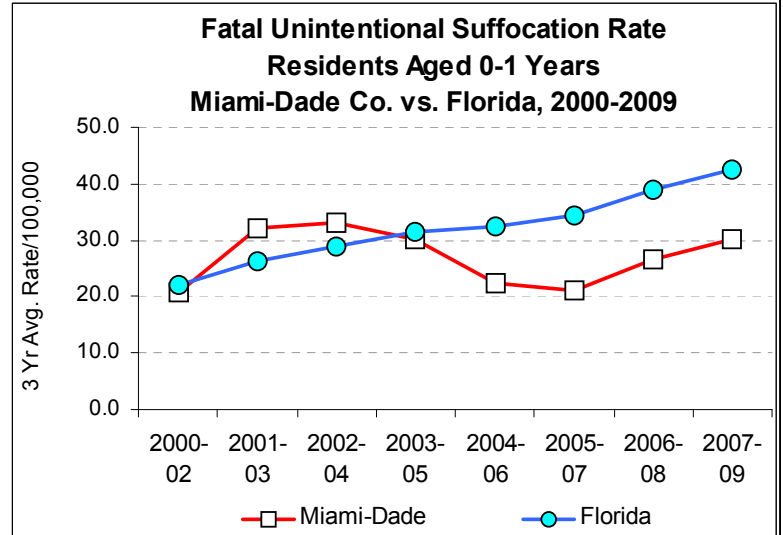
Unintentional Drowning Children Aged 1-4

- 54% of the county's juvenile unintentional drowning incidents and 65% of statewide incidents occurred to children aged 1-4 years.
- The county's drowning rate has shown little change over the decade, averaging between 5 to 7 deaths/year each 3-year period.
- The county child drowning rate has been consistently lower than the state rate throughout the decade (range -27% to -49%).



Unintentional Infant Suffocation Death

- 83% of all unintentional suffocation deaths to juveniles involved infants less than 1 year old.
- The county infant suffocation death rate has fluctuated over this period, averaging between 7 to 11 deaths per 3-year period.
- The state infant suffocation death rate has increased every 3-year period, up 93% over the decade. Infant suffocation deaths increased from an average of 45 in 2000-02 to 97 in 2007-09.



Produced by the Miami-Dade County Injury Surveillance System

Data Sources: Death Certificates, Office of Vital Statistics, FL Dept. of Health
 Medical Examiner Records, Miami County Medical Examiner Dept.
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