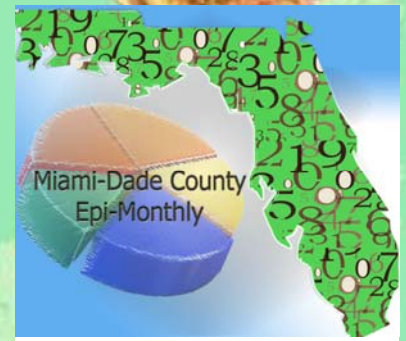


# Epi Monthly Report



## Deaths & Hospitalizations Due to Motor Vehicle Crashes Children Aged 0-17 Years, Miami-Dade County, 2000-2006

Steve Dearwater, MS



Being the occupant of a motor vehicle involved in a crash is the leading cause of death and 3<sup>rd</sup> leading cause of hospitalized injury among children aged 0-17 years in Miami-Dade County. More than half of these deaths and serious injuries could be prevented by placing children in

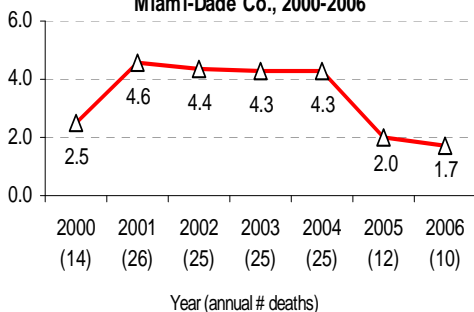
age- and size-appropriate restraint systems. This fact sheet reviews the trend in motor vehicle crash (MVC) deaths and hospitalizations in Miami-Dade County over the seven-year period 2000-2006

### Trend for MVC Deaths and Hospitalizations

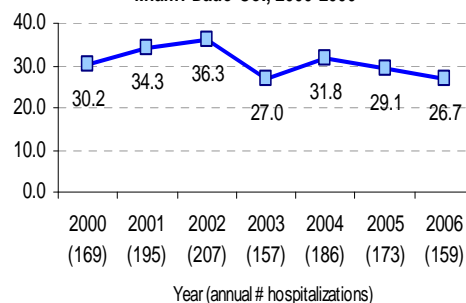
Between 2000-2006, 137 Miami-Dade County children aged 0-17 years died as occupants in MVC's. After four years of unchanged incidence between 2001-2004, the mortality rate declined 60% between 2004-2006 to its lowest observed rate in 2006.

Nonfatal injuries from MVC's that required hospitalization also declined since 2004, although not as sharply as observed for deaths. Between the highest nonfatal rate observed in 2002 to 2006, the hospitalized injury rate has declined 26%.

Mortality Rate for Injuries to Motor Vehicle Crash Occupants, Children Aged 0-17 Yrs. Miami-Dade Co., 2000-2006



Hospitalization Rate for Injuries to Motor Vehicle Crash Occupants, Children Aged 0-17 Yrs. Miami-Dade Co., 2000-2006



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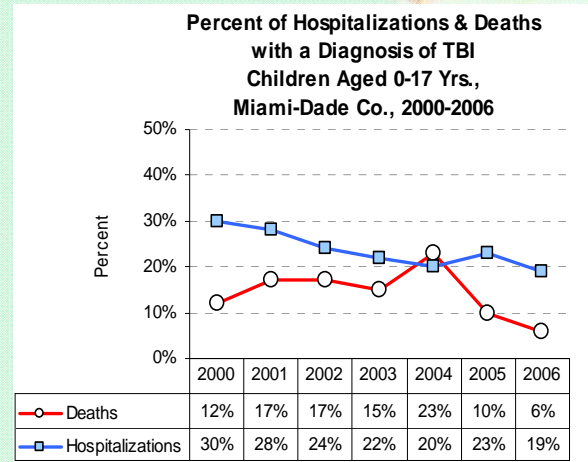
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## Trend in Traumatic Brain Injury Incidence for MVC Victims

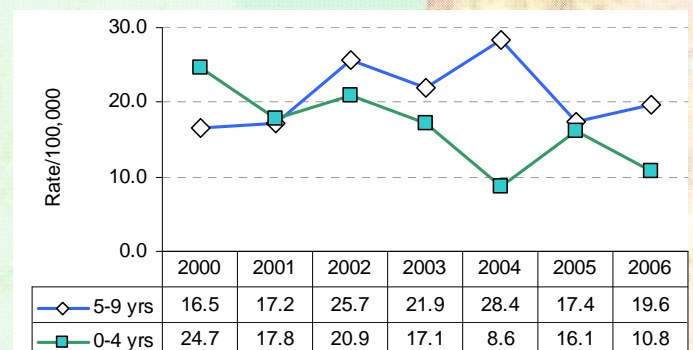
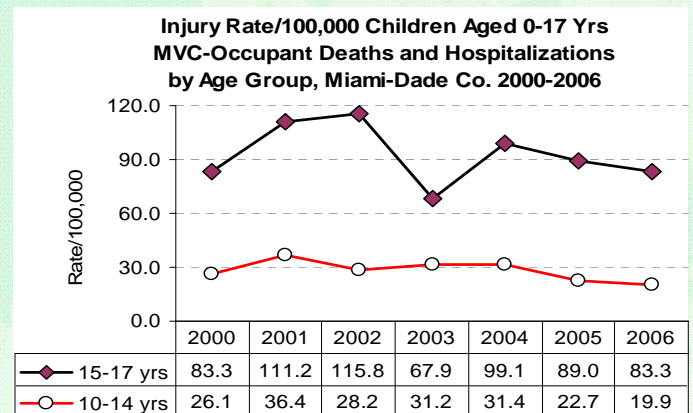
- Motor vehicle crashes are the number one cause of fatal traumatic brain injury (TBI) and 3<sup>rd</sup> leading cause of hospitalized TBI in this age group.
- After reaching a peak in 2004, when 23% of fatal MVC victims sustained a TBI, the incidence declined to 6% in 2006, the lowest rate seen this decade.
- The percentage of children hospitalized with a diagnosis of TBI has also declined consistently over this 7-year period, from a high of 30% in 2000 to 19% in 2006.



## Trend in MVC Injury Incidence Rates by Age Group

The 7-year trend for MVC injury rates were compared for 4 different age groups. The injury rates presented combine injury for both deaths and hospitalizations.

- The MVC injury rate for adolescents aged 15-17 years fluctuated greatly over this 7-year period. However, since its peak in 2002 (115.8/100,000) and 2006 (83.3/100,000), the rate has declined 28%.
- The MVC injury rate for children aged 10-14 years declined 45% between 2001-2006, with most of this decline occurring after 2004.
- Age 5-9 corresponds to the age when children should be using booster seats or car seats with harnesses and higher weight limits. This age group has demonstrated the worst trend of any age group, increasing 72% between 2000-2004. Since 2004, the rate declined sharply in 2005 then increased slightly in 2006.
- Age 0-4 corresponds to the age when children must be properly restrained in car seats with harnesses. Since 2000, the injury rate for this age group has declined 56%.



## Prevention Points

- Everybody needs a child safety seat, booster seat, or safety belt — every ride.
- Not properly restraining your child is against the law and punishable by a fine.
- Each child must be in a car seat sized according to the child's age, height and weight.
- Never hold a child on your lap in a car! You could crush him/her in a crash, or the child may be torn from your arms. You are not as strong as the force of the vehicle and its speed.

- All children under 13 years old should ride properly restrained in the back seat
  - ☑ Children 0-18 months should be in rear facing car seats.
  - ☑ Children older than 18 months until they reach 40 pounds should travel in a forward facing car seat with a harness.
  - ☑ Children more than 40 pounds should use a booster seat with the car's lap and shoulder belt or a car seat with a five point harness that accommodates children over 40 pounds.
  - ☑ Children between 8-11 years old or at least 4'9" tall are ready to use the adult lap and shoulder belt if:
    - The shoulder belt lies across the middle shoulder and chest (not against the neck)
    - The lap belt lies low across the upper thighs (not across the stomach)
    - The child is tall enough to sit against the vehicle seat back with knees bent naturally over the edge of the seat without slouching and stay in that position throughout the trip.
- Child Passenger Safety Programs in Miami—Dade County:
  - Injury Free Coalition for Kids of Miami 305-243-3928
  - City of Miami Beach Fire Rescue Child Passenger Safety Program 305-673-4935
  - Florida Highway Patrol Child Car Seat Program 305-470-2260
  - Miami Dade Fire Rescue Child Car Seat Program 786-331-4927
  - Miami Dade Police Department Child Car Seat Program 305-471-3055
  - To locate a child safety seat inspection station outside the Miami area call 866-SEAT-CHECK

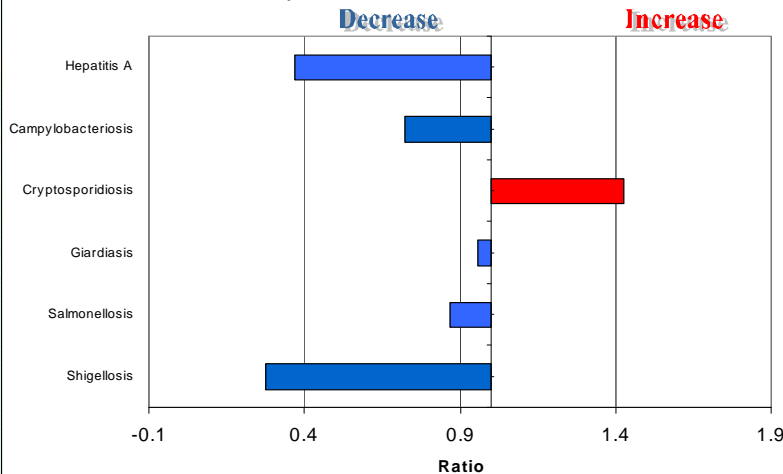
**August is...**

- Cataract Awareness Month
- Children's Eye Health and Safety Month
- National Immunization Awareness Month
- Psoriasis Awareness Month
- National Minority Donor Awareness Day



Miami-Dade County Immunization

Selected Notifiable Disease Reports, Miami-Dade County, Comparison with Historical Data, Jul, 2008

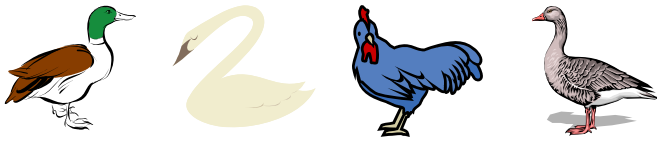


**TO REPORT ANY DISEASE AND FOR INFORMATION CALL:**  
**Office of Epidemiology and Disease Control**

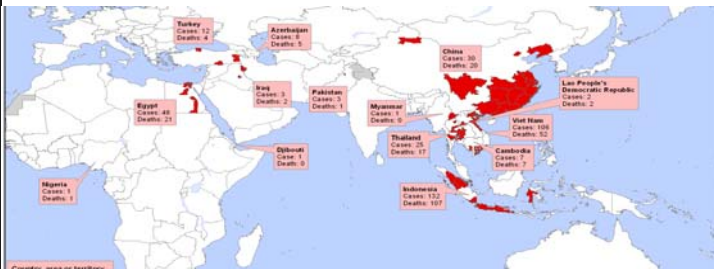
- Childhood Lead Poisoning Prevention Program 305-470-6877
- Hepatitis 305-470-5536
- Other diseases and outbreaks 305-470-5660
- HIV/AIDS Program 305-470-6999
- STD Program 305-325-3242
- Tuberculosis Program 305-324-2470
- Special Immunization Program 786-845-0550

## AVIAN FLU WATCH

Unless indicated, information is current as of June 2008



- Since 2003, there have been 385 human cases of avian influenza (H5N1) confirmed by the World Health Organization (WHO). Of these, 243 cases have died. This means there is a 63% (243/385) fatality rate.
- **15 Countries with confirmed human cases** include Bangladesh, Cambodia, China, Djibouti, Indonesia, Thailand, Vietnam, Iraq, Azerbaijan, Egypt, Turkey, Nigeria, Pakistan, Myanmar, and Lao People's Democratic Republic .



- **No human cases of avian influenza (H5N1) have been reported in the United States.**
  - **H5N1 has been confirmed in birds in several other countries since 2003.** H5N1 has been documented in birds in more than 30 countries in Europe & Eurasia, South Asia, Africa, East Asia and the Pacific, and the Near East. For a list of these countries, visit the World Organization for Animal Health Web Site at : [http://www.oie.int/downld/AVIAN%20INFLUENZA/A\\_AI-Asia.htm](http://www.oie.int/downld/AVIAN%20INFLUENZA/A_AI-Asia.htm).
  - **No restrictions on travel to affected countries have been imposed.** Travelers should avoid contact with live poultry and monitor their health for ten days after returning from an affected country.
- SOURCES: WHO, OIE, CDC

## PARTICIPATE IN INFLUENZA SENTINEL PROVIDER SURVEILLANCE

The Miami-Dade County Health Department **NEEDS** Influenza Sentinel Providers!!

Sentinel providers are key to the success of the Florida Department of Health's Influenza Surveillance System. Data reported by sentinel providers gives a picture of the influenza virus and ILI activity in the U.S. and Florida which can be used to guide prevention and control activities, vaccine strain selection, and patient care.

- Providers of any specialty, in any type of practice, are eligible to be sentinel providers.
- Most providers report that it takes **less than 30 minutes a week** to compile and report data on the total number of patients seen and the number of patients seen with influenza-like illness.
- Sentinel providers can submit specimens from a subset of patients to the state laboratory for virus isolation **free of charge**.

For more information, please contact **Erin O'Connell** at 305-470-5660.

### About the Epi Monthly Report

The Epi Monthly Report is a publication of the Miami-Dade County Health Department, Office of Epidemiology and Disease Control, The publication serves a primary audience of physicians, nurses, and public health professionals. Articles published in the Epi Monthly Report may focus on quantitative research and analysis, program updates, field investigations, or provider education. For more information or to submit an article, contact Lizbeth Londoño at 305-470-6918.

**Monthly Report**  
**Selected Reportable Diseases/Conditions in Miami-Dade County,**  
**July 2008**

Diseases/Conditions	2008 this Month	2008 Year to Date	2007 Year to Date	2006 Year to Date	2005 Year to Date	2004 Year to Date
AIDS <sup>*Provisional</sup>	96	773	488	725	831	840
Campylobacteriosis	12	77	85	96	83	87
Ciguatera Poisoning	2	12	0	0	0	0
Cryptosporidiosis	4	11	16	8	15	11
Cyclosporiasis	0	4	0	0	11	1
Dengue Fever	0	1	3	1	0	3
<i>E. coli</i> , O157:H7	0	0	0	0	0	0
<i>E. coli</i> , Non-O157	0	0	0	0	0	0
Encephalitis (except WNV)	1	2	1	0	0	1
Encephalitis, West Nile Virus	0	0	0	0	0	3
Giardiasis, Acute	23	140	144	119	114	174
Hepatitis A	3	19	17	25	33	20
Hepatitis B	3	10	10	15	30	24
HIV <sup>*Provisional</sup>	155	1017	833	660	859	1026
Influenza A (H5)	0	0	0	0	0	0
Influenza Isolates	0	0	0	0	0	0
Influenza Novel Strain	0	0	0	0	0	0
Influenza, Pediatric Death	0	0	0	0	0	0
Lead Poisoning	20	93	78	81	105	177
Legionnaire's Disease	0	5	1	7	2	6
Leptospirosis	0	0	0	0	2	0
Lyme disease	1	3	0	0	0	2
Malaria	1	4	5	7	4	10
Measles	0	0	0	0	0	1
Meningitis (except aseptic)	0	0	0	0	0	0
Meningococcal Disease	0	6	5	8	5	12
Mumps	0	2	1	0	0	0
Pertussis	1	13	12	5	8	7
Rubella	0	1	0	0	0	0
Rubella, Congenital	0	0	0	0	0	0
Salmonellosis	48	238	180	284	255	225
Shigellosis	6	25	75	67	167	109
<i>Streptococcus pneumoniae</i> , Drug Resistant	5	69	57	70	43	50
Tetanus	0	0	0	0	0	0
Toxoplasmosis	0	0	0	0	0	0
Tuberculosis <sup>*Provisional</sup>	13	98	92	115	104	133
Typhoid Fever	0	0	1	2	2	2
<i>Vibrio cholera</i> Type O1	0	0	0	0	0	0
<i>Vibrio cholera</i> Non-O1	0	0	0	0	0	0
<i>Vibrio</i> , Other	0	0	0	0	0	0
West Nile Fever	0	0	0	0	0	2

\* Data on AIDS are provisional at the county level and are subject to edit checks by state and federal agencies.

\*\* Data on tuberculosis are provisional at the county level.