

Unintentional Drowning, All Ages, 2007-2009

Unintentional drowning is the 2nd leading cause of death to children age 0-17. Fatal and nonfatal drowning incidents occur most often in swimming pools for children age 0-17, while drowning incidents for adults occur most often in natural water (ocean, lakes and rivers).

Between the years 2007-2009:

- 129 Miami-Dade County residents died as a result of drowning.
- 144 residents were hospitalized as a result of near-drowning.
- 159 residents were treated in the emergency department (ED) as a result of near-drowning.

| Injury Severity | 2007 | 2008 | 2009 | Total |
|------------------------|-------------|-------------|-------------|--------------|
| Deaths | 44 | 43 | 42 | 129 |
| Hospitalizations | 54 | 46 | 44 | 144 |
| ED Visits | 50 | 46 | 63 | 159 |
| Total | 148 | 135 | 149 | 432 |

- The most common location of fatal drowning incidents was natural water, while the most common site of nonfatal drowning incidents was a residential swimming pool.

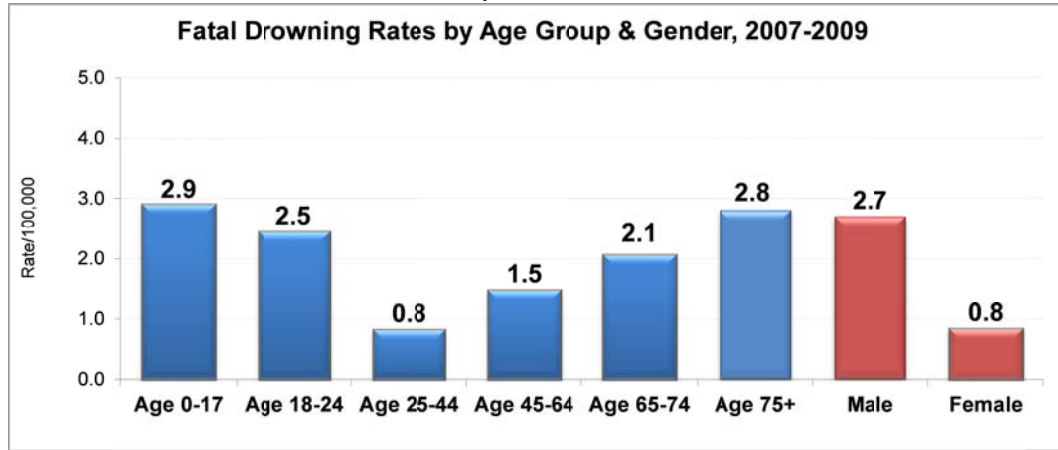
| Type of Submersion | Fatal | Nonfatal | Percent |
|----------------------------|--------------|-----------------|----------------|
| Swimming: in pool | 38 | 167 | 48% |
| Swimming: in natural water | 54 | 61 | 27% |
| Swimming: non-recreational | | 28 | 7% |
| Swimming: in canal | 25 | | 6% |
| Bathtub | 8 | 8 | 4% |
| Skin/scuba diving | | 9 | 2% |
| Water skiing | | 7 | 2% |
| Unspecified submersion | 4 | 23 | 5% |
| Total | 129 | 303 | 100% |

- During the year 2009, nonfatal drowning incidents were estimated to cost approximately \$2 million dollars in hospital and ED charges (Table).

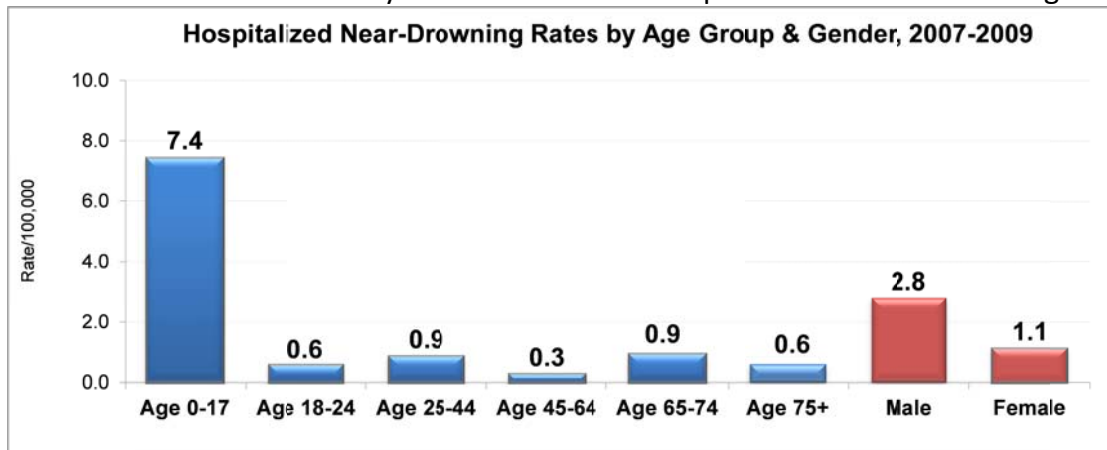
| 2009 Hospital & ED Charges for Nonfatal Drowning Incidents to Miami-Dade Co. Residents | | | |
|---------------------------------------------------------------------------------------------------|---------------|----------------------|----------------------|
| | Number | Total Charges | Median Charge |
| Hospitalizations | 44 | \$2,415,197 | \$13,279 |
| ED Visits | 63 | \$208,191 | \$2,241 |
| All Nonfatal Drowning | 107 | \$2,623,388 | \$4,564 |

The figures below display fatal and nonfatal unintentional drowning rates by age and gender.

- Fatal drowning rates were highest in the youngest and oldest age groups.
- Males were more than 3-times more likely than females to die from unintentional drowning.



- Children age 0-17 experienced 76% of all near-drowning hospitalizations. The hospitalization rate for this group is more than 7-times larger than any other age group.
- Males were 2.5-times more likely than females to be hospitalized for near-drowning.



- Like hospitalizations, children age 0-17 were most likely to be seen in the ED for near-drowning. The ED rate for this group was more than 3-times larger than other age groups.
- Males were nearly twice as likely as females to be treated in the ED for near-drowning.

