

Unintentional Drowning, All Ages, 2011-2013

Unintentional drowning is the 4th leading cause of injury deaths 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 2011-2013:

- 103 Miami-Dade County residents died as a result of drowning.
- 122 residents were hospitalized as a result of non-fatal drownings.
- 196 residents were treated at an emergency department (ED) as a result of non-fatal drownings.

| Injury Severity | 2011 | 2012 | 2013 | Total |
|------------------|------------|------------|------------|------------|
| Deaths | 27 | 31 | 45 | 103 |
| Hospitalizations | 37 | 48 | 37 | 122 |
| ED Visits | 52 | 75 | 69 | 196 |
| Total | 116 | 154 | 151 | 421 |

- The most common site for fatal and nonfatal drowning incidents was in a swimming pool. The most common location of drownings among persons aged > 5 years was in natural water.

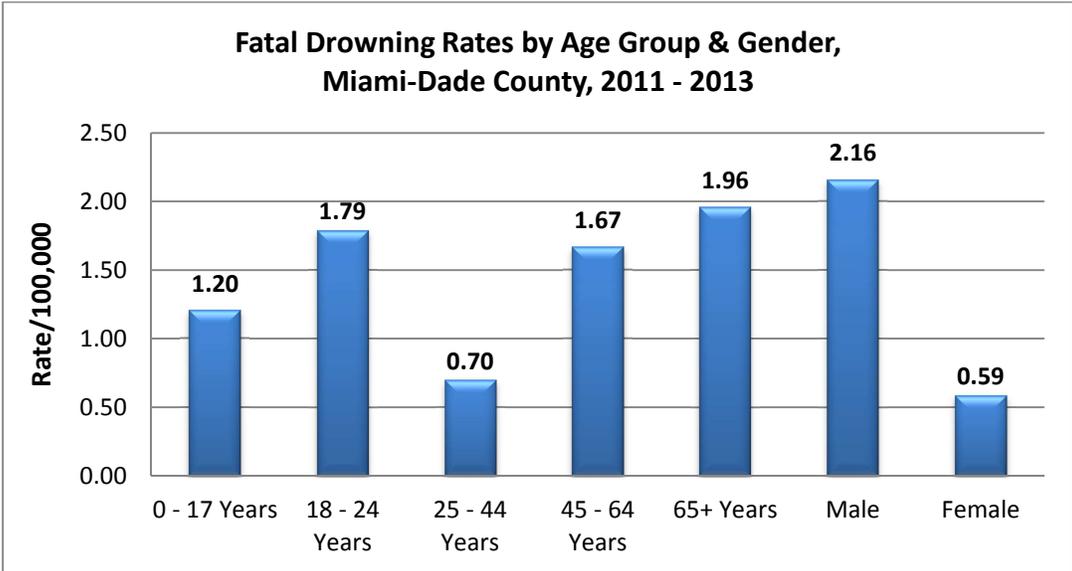
| Submersion Type | Fatal | Nonfatal | Overall Percent |
|---------------------------------|------------|------------|-----------------|
| Swimming Pool | 37 | 160 | 47% |
| Natural Water | 35 | | 8% |
| Other Specified (Lake/Canal) | 9 | | 2% |
| Recreational Swimming | | 41 | 10% |
| Sport/Scuba Diving/Water Skiing | | 53 | 13% |
| Bathtub | 4 | 5 | 2% |
| Other/Unspecified | 18 | 59 | 18% |
| Total | 103 | 318 | 100% |

- During 2013, nonfatal drowning incidents were estimated to cost nearly \$4.2 million in hospitalization and ED visit charges (Table).

| 2013 Hospital & ED Charges for Nonfatal Drowning Incidents to Miami-Dade County Residents | | | |
|---|---------------|----------------------|----------------------|
| | <u>Number</u> | <u>Total Charges</u> | <u>Median Charge</u> |
| Hospitalizations | 37 | \$3,916,426 | \$17,338 |
| ED Visits | 69 | \$ 251,733 | \$ 2,279 |
| All Nonfatal Drownings | 106 | \$4,168,159 | \$ 4,928 |

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

- Fatal drowning rates were highest among elderly adults
- Males were nearly four times more likely than females to die from unintentional drownings.



- Children aged 0 – 17 accounted for 62% of all nonfatal drownings. The nonfatal drowning rate for this group is nearly six times higher than any other age group.
- Nonfatal drowning rates among males were nearly twice that of females.

**Nonfatal Drowning Rates by Age Group & Gender,
Miami-Dade County, 2011 - 2013**

