



POOL AND SPA SUBMERSION INJURY AND FATALITY INCIDENTS OF CHILDREN LESS THAN FIFTEEN YEARS OF AGE

- There were, on average, 4,200 pool or spa related emergency department (ED)-treated submersion injuries each year for 2007 – 2009 and 385 pool or spa related fatalities per year for 2005 – 2007 involving children younger than fifteen years of age.
- 77 percent of both the reported fatalities and the ED-treated injuries were to children younger than five years of age.
- The overwhelming majority of the estimated ED-treated submersion injuries for 2007 – 2009 and the reported fatalities for 2005 – 2007 were associated with pools.
- Children between the ages of one and two (12 to 35 months) represented 47 percent of estimated injuries for 2007 – 2009 and 53 percent of the 2005 – 2007 reported fatalities for children younger than fifteen.
- For children younger than fifteen, 46 percent of the victims of ED-treated pool or spa submersion injuries for 2007 – 2009 were admitted to the hospital or treated and transferred to another hospital compared to four percent for all product related ED-treated injuries involving children younger than fifteen for the same time period.
- Approximately 54 percent of the estimated injuries for 2007 – 2009 and 74 percent of the fatalities for 2005 – 2007 involving children younger than fifteen occurred at a residence.

*Source: Pool and Spa Submersion: Estimated Injuries and Reported Fatalities, 2010 Report (CPSC, May 2010)



**Percentage of Fatalities Reported to CPSC Staff Associated with Pool
or Spa Submersion
Children Less than Five Years of Age by Scenario
2005 – 2007**

Scenario	Percentage of Reported Fatalities for Pools and Spas
Lost Contact or Knowledge of Whereabouts	54
Not Enough Information to Determine Scenario	19
Barrier Integrity or Circumvented Barrier	16
Near Pool/Spa or In Pool/Spa	11
Miscellaneous	1

*Sources: Pool and Spa Submersion: Estimated Injuries and Reported Fatalities, 2010 Report (CPSC, May 2010); CPSC databases including NEISS, IPII (Injury and Potential Injury Incidents), DTHS (Deaths), and INDP (In Depth Investigations).



**Percentage of Fatalities Reported to CPSC Staff Associated with Pool or Spa Submersion
Children Less than Fifteen Years of Age by Incident Location
2005-2007**

Location	Percentage of Reported Fatalities			Total (Under 15 Years)
	Under 5 Years	5 – 9 Years	10 – 14 Years	
Home	54	18	18	46
Family/ Friend	25	16	6	22
Public/ Community/ Business	9	38	52	16
Undisclosed Location	7	21	21	10
Neighbor	5	7	2	5

*Sources: Pool and Spa Submersion: Estimated Injuries and Reported Fatalities, 2010 Report (CPSC, May 2010); CPSC databases including NEISS, IPII (Injury and Potential Injury Incidents), DTHS (Deaths), and INDP (In Depth Investigations).



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**Percentage of Fatalities Reported to CPSC Staff Associated with Pool or Spa Submersions
Children Less than Fifteen Years of Age by Gender
2005 – 2007**

Gender	Percentage of Reported Fatalities			Total (Under 15 Years)
	Under 5 Years	5 – 9 Years	10 – 14 Years	
Male	65	66	70	66
Female	35	34	30	34

*Sources: Pool and Spa Submersion: Estimated Injuries and Reported Fatalities, 2010 Report (CPSC, May 2010); CPSC databases including NEISS, IPII (Injury and Potential Injury Incidents), DTHS (Deaths), and INDP (In Depth Investigations).



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**Estimated Number of Emergency Department-Treated Pool or Spa Submersion Injuries
Children Less than Five and Fifteen Years of Age
2007 – 2009**

Year	Estimated Emergency Department-Treated Injuries	
	Under 5 Years	Under 15 Years
Average	3,200	4,200
2009	4,400	5,500
2008	3,100	4,100
2007	2,200	3,000

*Sources: Pool and Spa Submersion: Estimated Injuries and Reported Fatalities, 2010 Report (CPSC, May 2010); U.S. Consumer Product Safety Commission: National Electronic Injury Surveillance System (NEISS).