

WA State Open Water Drowning Reporting Tool: Variable List Comparison to Other State Database Collection Tools

Drowning Variable Database	Data Source:	Open Water Drowning Reporting Tool	CDR ²	Death certificate ¹	CHARS ¹	Trauma registry ³	Pool Facility Injury Reports ⁴	Boating Accident Reports ⁵	Newsclipping ⁶	Healthy Youth Survey ²	WEMISIS ³	Utstein	SECTOR
Investigating Agency:													
	Agency	X											
	Investigator	X											
Victim:	Name	X	Confidential	X	Patient ID	X		X			X	Patient ID	X
	Street Address	X	Confidential	X			X	X					X
	City	X	Confidential	X				X					X
	Zip Code	X	Confidential	X	X			X					X
	County	X		X	X								
	Age	X	X	X	X	X	X	X	X		X	X	
	Birth date	X	X	X		X		X			X	X	X
	Gender	X	X	X	X	X	X	X	X		X	X	X
	Race/ethnicity	X	X	X	X	X	X				X		
	Primary Language spoken at home	X								X			
	Employed/occupation		X	X									
	History of medical, psychiatric, developmental problems	X	X			X						X	
	Swimming ability: none, poor, good, athlete / CDR is yes, no, n/a, u/k	X	X					X					
	History of swim lessons	X											
	Comfortable in water	X								X			
	Familiar with site	X											
	Familiar with water activity	X											
	Mandatory Boater Education Training	X						X					
	Suspected alcohol use	X	X	X		X		X	X		X	X	X
	Suspected drug use (including medical)	X	X	X		X		X	X		X	X	X
	Alcohol/drugs found at scene	X											
	History of alcohol/drug use	X											
	Suicide history	X											
	History of seizures		X			X							
Event:	Wearing a life jacket	X	X			X		X	X				
	If worn, type of life jacket	X											
	If worn, was it worn correctly	X											
	Date of drowning (month/day/year)	X	X	X		X		X	X			X	
CDR has info on EMS but not these q's	Time call received (military time)	X											
	Time unit arrived on scene (military time)	X											
	Time rescuer contact with victim (military time)	X											
	Time CPR started by provider (military time)	X										X	
	Time CPR stopped (military time)	X										X	
	Event witnessed	X										X	
	Estimated submersion time prior to call	X	X	X		X		X				X	
	Precipitating Event: Trauma	X										X	
	Proper clothing	X											
	Proper equipment available (e.g. PFD, VHF marine radio)							X					
Site:	GIS of drowning site (2 methods entry)	X									X		
	Address/city/county/state of drowning site	X		X		Zip code		X	X				

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	Name of agency with authority over water body	X											
	Rural vs urban		X	X		X			X				
	Type of jurisdiction	X											
	Is it a park	X											
	Body of open water: river, lake, stream, irrigation ditch/canal, ocean, sound, pond, quarry, creek	X	X					X	X			X	
	Non-open water: pool, hot tub, bath tub, wading pool, bucket	N/A	X				X		X			X	
	Residential, public site, hotel/motel, school, work site, other	N/A	X			X			X				
	Site type: Residential, public site, hotel/motel, School, Work site, Park: city, county, state, national	X	X						X				
	Any Rescue equipment at site?	X	X										
	Fences/barriers: breached, broken, not used	X	X										
	Life jacket loaner program	X											
	Safety warnings posted at site	X	X										
	Description of safety warnings posted at site	X											
	Any local ordinances violated	X											
	Water current	X											
	Waves	X											
	Designated swim area	X											
	Air and water temp	X											
	Activity: occupation/ work related vs transport vs recreational		X	X		X		X					
Vessel:	Involved vessel: none, motor boat, sailboat, kayak, canoe, rowboat, raft, inner tube, jet ski, surfboard, sail or wake board, other	X	X					X	X				
	Type of boat	X	X					X					
	Boat length	X						X					
Activity:	What was victim last doing?	X	X				X		X				
	Pre drowning activity: not in water, wading, swimming, diving, boating/floating, in a car, water skiing/wake boarding/sail boarding, jet skiing, bathing, hiking, fishing, scuba diving, work related, transport, other	X	X					X	X				
	Swimming pool: were fence and gate appropriate and working	N/A	X										
Rescue:	Who rescued victim: family or friend, bystander, EMS, dive rescue	X	X						X				
	If rescue attempt was made, did the rescuer also drown?	X	X										
	Where victim last seen	X	X										
	Who found victim	X											
	How was body found	X											
	Where was victim found	X											
	When retrieved:Breathing on own	X										X	
	When retrieved:Responsive	X										X	
	Physical condition of body	X											
	Did clothing contribute	X											
	Who provided CPR bystander, EMS	X	X						X			X	

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	initial CPR techniques used: Rescue breathing or Chest compression	X										X	
	Use of AED	X											
	Site rescue equipment used	X											
	If victim was recovered, what was the time b/n victim was last seen and body was recovered?	X											
	Distance from shore	X											
	Depth of water	X											
	Was victim hospitalized?	X	X				X	X					X
	Information on the rescue attempt		X										
	EMS Assessment: Spontaneous breathing, Signs of circulation, Airway interventions, initial neurological state?											X	
	ED Assessment: Spontaneous breathing, adequate blood pressure, tracheal tube/ventilation, initial temp, initial neurological state?											X	
Supervision:	Was lifeguard on duty/present	X	X						X				
	Who was responsible for child/teen : family adult, babysitter, group leader, peer, none	X	X						X				
	Age of supervisor	X	X										
	History of CPS involvement	X	X										
	Was supervisor impaired	X											
	If impaired was tox screen performed	X											
	Intent: child abuse/homicide, suicide, accidental	X	X	X		X							
Outcome:	Where victim died: scene, ICU/ED, in hospital, after hospital discharge, didn't die	X	X	X	X	X	X					X	
	Death referred to ME, Coroner	X											
	Autopsy performed	X											
	Tox screen performed	X											
	Results of tox screen?	X	X					X					
	Lividity	X											
	Rigor	X											
	Ligature marks	X											
	Injuries	X											
	Signs of intentional drowning	X											
	History of criminal activity	X											
	Survived: neurologically normal/moderate, severe neurologic impairment												
	CPC score 1-5 or not applicable or available											X	
	Date of hospital discharge or death	X										X	
	Manner of death (e.g. natural, unintentional, suicidal)	X	X	X				X					
	Cause of death	X	X	X									
	Contributing environmental factors (ex water temperature, current)	X	X										
	What could have prevented death	X	X					X					

Contacts for data:

¹ Center for Health Statistics, DOH, email: contactchs@doh.wa.gov or wendy.shultis@doh.wa.gov, 360-236-4321

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³ Community Health Systems, DOH, Kathy Schmitt, kathy.schmitt@doh.wa.gov, 360-236-2869

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⁴ Water Recreation Safety, DOH, Paul Reeves paul.reeves@doh.wa.gov, 360-236-3386, note: data hasn't been updated since 2003.

⁵ Boating Programs, Washington State Parks & Recreation Commission, 360-902-8555 or boating@parks.wa.gov

⁶ Water Recreation Safety, DOH, Lori Hall, lori.hall@doh.wa.gov, 360-236-3386