

2017 Ohio Public Swimming Pool and Spa Injury Report Training

Sean-Paul Albert Claypool, MPH CDC/CSTE Applied Epidemiology Fellow Ohio Department of Health

Outline

- Background
- New in 2017
- General guidance
- Report form walkthrough
- Report submission workflow
- Demo
- Questions



BACKGROUND



Background

- Drowning is the leading cause of unintentional injury deaths in children ages 1 to 4 in Ohio
 - Second leading cause in children ages 5 to 9 and 10 to 14
- Survivors of severe drowning incidents can experience long-term disabilities including
 - —Memory problems
 - Learning deficiencies
 - Loss of basic cognitive functioning



Background (cont.)

- To date, Ohio has not systematically collected detailed information on public swimming poolrelated injuries or deaths
- Drowning Prevention Pilot Project was launched in 2015 to determine the frequency and circumstances of these occurrences
- Between 2015 and 2016, ODH received more than 300 injury reports voluntarily submitted by participating local health departments



OAC 3701-31: "Public Swimming Pools"

Rule No. 3701-31-04: "Responsibilities of the licensee"

Draft §(B)(4)(a)(x): "All injuries shall be recorded as they happen. Any incident associated with the pool facility that results in death, serious injury, assistance from emergency medical personnel or an illness involving more than one person shall be reported to the licensor on a form prescribed by the director of health within seventy-two hours following the incident. As used in this paragraph: "serious injury" means an injury that does not require immediate hospital admission but does require medical treatment, other than first aid".



NEW IN 2017



New in 2017

- From pilot to program
 - -2015: 23 local health districts, outdoor season only
 - -2016: 32 local health districts, outdoor season only
 - -2017: statewide, year round (draft OAC 3701-31-04)
- Redesigned form
 - -De-emphasized ODH
 - Reordered sections
 - Easier to read
- Online reporting from LDH to ODH



Report Form: 2016 vs. 2017

LHD Name:



Ohio Department of Health

Bureau of Environmental Health and Radiation Protection 246 N. High St., Columbus, OH 43215

Phone (614) 644-7438, Fax (614) 466-4556, Email BEH@odh.ohio.gov

PUBLIC POOL AND SPA INJURY INCIDENT REPORT FORM

Please use one form for each injured person. <mark>DO NOT include their personal information (e.g., name, address, phone number, etc.).</mark>

- Should a reportable incident occur, complete the form, attach all required documentation, and submit to the <u>local health district</u> as stipulated.

 <u>Within 24 hours</u> of an injury, drowning, near drowning, or suction entrapment occurring at a pool or spa that results in death or requires resuscitation transfer/admission to a hospital;
 - . Within 72 hours of the owner's/operator's knowledge of the incident; and
 - Every 3 months during operation or at the facility's season closure, a water rescue by aquatic safety personnel.

ATTN: Local Health Districts: Submit reports via mail, fax, or email to the address, fax number, or email indicated at the top of this form.

Please direct questions to (614) 644-7438.

				Please	direct questions to (614) 64	4-7438.		
FACILITY INFO	ORMATION							
Facility Name:					Facility Address:			
City:					State:	ZIP:		Facility Phone:
Facility Type:	□Govt/City Pool	□Apartmen	t/Condo	☐ Hotel/I	Motel Manufactured/Mobile H	lome Park	School □Camp	Other:
DESCRIPTION	OF INJURED P	ERSON						
Age (years):		Sex: □M	□F		Resident County:			
Race (check off	sian	American India			Asian Other:	Ethnicity: Hispanic/La		Was Injured party: □Employee □Patron □Other:
DESCRIPTION	OF INCIDENT							
Incident Date (mm/dd/yy):				Time of day:	Day of week	incident occurred:	
					: DAM DPM	□Sun □N		Wed □Thurs □Fri □Sat ident(check all that apply):
							Outdoor Fac Main Pool Zero Entry P Spa/Hot Tub Slide Other Wate	□Wading Pool ool □Therapy Pool □Diving Board □Spray Ground/Splash Pac
					Were lifeguards present?	Water depth		Number of swimmers/witnesse
Was the pool/s	pa open at time of Was the encl	of the incident? losure secured?			□Yes □No □N/A # Lifeguards present:	Ι,	(ft.) (in.)	present during the incident:
Result of Incide	ent					1——	(107(11117	Rescue Equipment Used:
Was there a wa	iter rescue?		□Yes	□No	Was EMS called?		□Yes □No	☐ Rescue Can
Was rescue bre	eathing/resuscitat	tion required?	□Yes	□No	Did staff provide care or first-aid	?	□Yes □No	☐ Rescue Tube
Was the Heimli	ich Maneuver req	uired?	□Yes	□No	Did injured person refuse care or first-aid? ☐Yes ☐			☐ Ring Buoy
Was the person	n immobilized?		□Yes	□No	Did injured person return to water activity? ☐Yes ☐No			☐ Life Hook/Shepherd's Crook
Was an AED De			□Yes	□No	Was injured person transported to a medical ☐Yes ☐No			Other:
Was oxygen su			□Yes	□No	facility?			□N/A
DESCRIPTION	OFINJURY							
Type of Injury:	Burn Scrape Spinal Other:	□Bump/Bru □Dislocatio □Near Drov	n	□Cut □Sprain □Suffocat	□Puncture □Fracture tion/Drowning		Front	Back
Area Injured:	□Head/Neck □Face/Eyes □Other:	□Arm/Shou □Hand/Wri		□Leg/Hip				- Lus (m) - Lus (m)
FORM COMP	LETED BY						1 1	
Name (print):					Contact Phone:			} }}
Position (e.g. p	ool operator, life	guard, etc.):			Date:			()()(

Ohio Public Swimming Pool and Spa Injury Report Form

Use one form for each injured person. <u>Do not include personal information of the injured person</u> (e.g., name, address, phone number). Injuries required to be reported include any incident associated with the pool facility that results in serious injury, assistance from emergency medical personnel, or death. Do not write on the back of this form.

DESCRIPTION OF THE INJURED PERSON

Age (years):	Sex: Female Male	County of Residence (if not in Ohio	, report state of residence):
Race/Ethnicity (check all that app American Indian/Alaskan Nati Asian Black/African American			The injured person was a: Patron Resident Other:
	DESCRIPTION	OF THE INCIDENT	
Date: Time:	ПАМ ПРМ	Incident Setting (check one):	
Was pool/spa open at time of inci If no, was enclosure secured?	dent? Yes No	Location of Incident (check all that Diving Board/Well Therap Main Pool Wadin	y Pool g Pool
Were lifeguards present? If yes, how many lifeguards were	Yes No N/A	☐ Slide ☐ Zero El ☐ Spa/Hot Tub ☐ Other: ☐ Spray Ground/Splash Pad	ntry Pool
Were witnesses present?	☐Yes ☐No	Rescue Equipment Used (check all	that apply):
If yes, how many witnesses were	present? Qty:		
Water depth of incident:	feet inches N/A	Shepherd's Crook	
Type of Injury (check all that appl Bump/Bruise Drowning Burn Drowning Cut Fracture	y):	Area Injured (check all that apply): Head/Neck Arm/Shoul Face/Eyes Hand/Wris Trunk/Torso Leg/Hip/Ki	t Other:
☐ Dislocation ☐ Puncture	Other:	☐ Back ☐ Foot/Ankle	•
		OF INCIDENT	
Was EMS called? Was injured person transported to a Was the injured person immobilis Was oxygen supplied to the injure Was an AED used?	ted? Yes No ed person? Yes No Yes No	Was a water rescue performed? Was rescue breathing/resuscitation Did staff offer or provide care or fir Did injured person/guardian refuse Did injured person return to water	st-aid? Yes No care or first-aid? Yes No
	FACILITY ID	ENTIFICATION	
Facility Name:		Facility Address:	
City:		Zipt	Phone:
	□Camp □Ho	tel/Motel School	ured/Mobile Home Park
		MPLETED BY	
Name:	Title/Position:	Phone:	Date:
	PERATORS: SUBMIT COMPLETED visit http://www.odh.ohio.gov/locall	FORMS TO YOUR LOCAL HEALTH	DISTRICT

2017 Report Form

Ohio Public Swimming Pool and Spa Injury Report Form

Use one form for each injured person. <u>Do not include personal information of the injured person</u> (e.g., name, address, phone number). Injuries required to be reported include any incident associated with the pool facility that results in serious injury, assistance from emergency medical personnel, or death. Do not write on the back of this form.

	DESCRIPTION OF TH	IE INJURED PERSON	
Age (years):	Sex: Female Male	County of Residence (if not in Ohio	o, report state of residence):
Race/Ethnicity (check all that apply American Indian/Alaskan Native Asian Black/African American	Hispanic/Latino Middle Eastern/North African Native Hawaiian/Pacific Islande	r Other:	The injured person was a: Patron Resident Other:
Date: Time:		F THE INCIDENT Incident Setting (check one):	
Was pool/spa open at time of incid If no, was enclosure secured? Were lifeguards present? If yes, how many lifeguards were poor	ent? Yes No No N/A Yes No N/A	Location of Incident (check all that Diving Board/Well Therap Main Pool Slide Spa/Hot Tub Spray Ground/Splash Pad	apply): py Pool g Pool ntry Pool
Were witnesses present? If yes, how many witnesses were provided by the second		Rescue Equipment Used (check all Rescue Tube N/A Ring Buoy Other: Shepherd's Crook	
Describe the incident (attach addit			

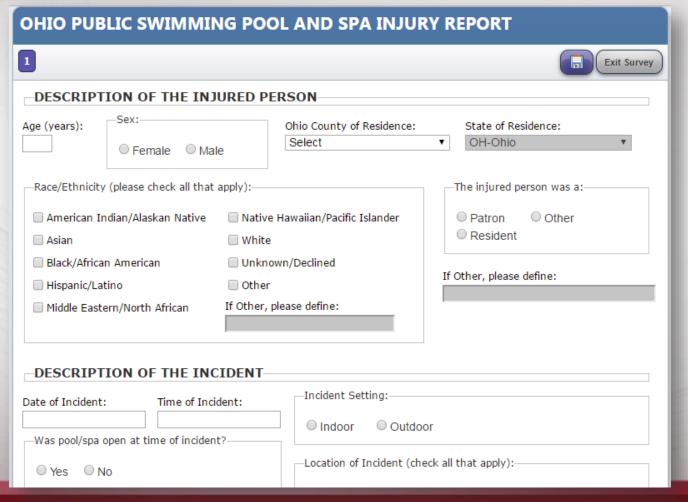


2017 Report Form (cont.)

	DESC	RIPTION	OF THE INJURY			
Type of Injury (check all that apply) Bump/Bruise Drowning (F Burn Drowning (N Cut Fracture Dislocation Puncture	atal) Scrape Non-fatal) Spinal Sprain Other:	ESULTS O	Area Injured (check Head/Neck Face/Eyes Trunk/Torso Back FINCIDENT	all that apply): Arm/Should: Hand/Wrist Leg/Hip/Kne Foot/Ankle	Other:	
Was EMS called? Was injured person transported to a medical facility? Yes No Was the injured person immobilized? Was oxygen supplied to the injured person? Was an AED used? Was a water rescue performed? Was a water						Yes No Yes No Yes No
FACILITY IDENTIFICATION						
Facility Name:			Facility Address:			
City:			Zip:		Phone:	
I	Apartment/Condo Camp	□Hote	ernment/City Pool el/Motel NPLETED BY	Manufactur	red/Mobile Hom	e Park
Name:	Title/Position:		Phone:		Date:	
POOL OPERATORS: SUBMIT COMPLETED FORMS TO YOUR LOCAL HEALTH DISTRICT						
To find your Local Health District: visit http://www.odh.ohio.gov/localhealthdistricts/lhddirectory .						
Please direct questions to BEH@odh.ohio.gov HEA 0203 (Rev. 06/17)						



2017 Online Reporting Tool





GENERAL GUIDANCE



General Guidance

- Injuries required to be reported include any incident associated with the facility that results in
 - —Serious injury
 - Assistance from emergency medical personnel
 - -Death
- Voluntary reporting of other injuries is highly encouraged



General Guidance (cont.)

- Pool operators & other aquatic personnel report injuries to the LHD via the Ohio Public Swimming Pool and Spa Injury Report Form
 - Reports to be submitted to LHD within 72 hours of injury
 - Form can be found at the ODH Public Swimming Pools Site http://www.odh.ohio.gov/odhprograms/eh/swim/swim1.aspx
- LHD personnel report injuries to ODH online
 - Reports to be submitted to ODH by end of quarter in which received
 - Online reporting from LDH to ODH can be found at the ODH Local Health
 District Forms site
 http://www.odh.ohio.gov/odhprograms/eh/swim/poolform/LHDform.aspx



General Guidance (cont.)

- Use one (1) form per each injured person
- <u>Do not</u> include personal or otherwise identifying information of the injured person, including but not limited to:
 - -Name
 - —Address
 - —Phone number
- Do not write on the back of the form



General Guidance (cont.)

- For LHD personnel reporting injuries online:
 - Enter values online as they appear on the paper form
 - —If a value is blank on the paper form, leave the corresponding entry on the electronic reporting form blank
 - i.e., If a Yes or No question on the form is left blank,
 do not select no on the electronic form



REPORT FORM WALKTHROUGH



Description of the Injured Person

DESCRIPTION OF THE INJURED PERSON							
Age (years): 18	Sex: □ Female 🏻 Male	County of Residence (if not in Ohio, Franklin	report state of residence):				
Race/Ethnicity (check all that apply): American Indian/Alaskan Native		□ White	The injured person was a: Patron				
Asian Asian	☐ Middle Eastern/North African	☐ White ☐ Unknown/Decline	Resident				
Black/African American	Native Hawaiian/Pacific Islande	-	Other:				

DESCRIPTION OF THE INJ	URED PERSON	
Age (years): Sex: Female • Mal	Ohio County of Residence: Franklin County	State of Residence: ▼ OH-Ohio ▼
—Race/Ethnicity (please check all that	apply):	The injured person was a:
☐ American Indian/Alaskan Native☐ Asian	□ Native Hawaiian/Pacific Islander□ White	Patron Other Resident
□ Black/African American□ Hispanic/Latino	✓ Unknown/Declined☐ Other	If Other, please define:
Middle Eastern/North African	If Other, please define:	

Description of the Incident

Date: 05/01/17 Time: 12:00 \(\text{AM \(\text{D} \) PM
Was pool/spa open at time of incident? Yes \(\sum \) No If no, was enclosure secured? \(\sum \) Yes \(\sum \) No \(\sum \) N/A
Were lifeguards present? ☐ Yes ☐ No ☐ N/A If yes, how many lifeguards were present? Qty: ☐ ☐
Were witnesses present? ☐ Yes ☐ No
If yes, how many witnesses were present? Qty:
Water depth of incident: 12 feet inches □ N/A

Date of Incident:	Time of Incident:					
05/01/2017	12:00:00					
—Was pool/spa open at t	time of incident?					
● Yes ○ No						
—If no, was the enclosur	re secured?					
○ Yes ○ No ●	N/A					
	t?					
Yes No	N/A					
2	If yes, how many lifeguards were present?					
-Were witnesses presen	IT?					
● Yes ○ No						
If yes, how many witnesses were present? 15 Water depth of incident:						
Feet Inches N	/A Depth (ft) 12.5					

Description of the Incident (cont.)

	—Incident Setting:		
Incident Setting (check one): 🔲 Indoor 🔯 Outdoor	○ Indoor		
Location of Incident (check all that apply):			
☐ Diving Board/Well ☐ Therapy Pool	—Location of Incident (check all t	hat apply):	
☑ Main Pool ☐ Wading Pool			
Slide Zero Entry Pool	Diving Board/Well	☐ Therapy Pool	
Spa/Hot Tub Other:	✓ Main Pool	Wading Pool	
Spray Ground/Splash Pad	Slide	☐ Zero Entry Pool	
	Spa/Hot Tub	☐ Other	
Rescue Equipment Used (check all that apply): Rescue Tube N/A	Spray Ground/Splash Pad	If Other, please define:	
Ring Buoy Other:			
	—Rescue Equipment Used (check	all that apply):	
Shepherd's Crook	_	5	
	Rescue Tube	✓ N/A	
	Ring Buoy	Other	
	Shepherd's Crook	If Other, please define:	



Description of the Incident (cont.)

Describe the incident (attach additional sheets as necessary): The injured person slipped along the edge of the pool, hit head, fell in, and struggled to get to the surface. Lifeguard performed water rescue.

Briefly describe the incident:

The injured person slipped along the edge of the pool, hit head, fell in, and struggled to get to the surface. Lifeguard performed water rescue.



Description of the Injury

		DESCRIPTION	<u> </u>	11100111		
Type of Injur	Drowning (Non		He Fac	re/Eyes [I that apply): Arm/Shoulder N/A Hand/Wrist Other: Leg/Hip/Knee Foot/Ankle	
				50000 500000 10000		
	DESCRIPTION OF	THE INJURY				
	Type of Injury (check all that apply):		7	—Area Injured (d	check all that apply):	
	✓ Bump/Bruise	☐ Puncture		✓ Head/Neck	Leg/Hip/Knee	
	Burn	Scrape		Face/Eyes	☐ Foot/Ankle	
	Cut	☐ Spinal		Trunk/Torso	□ N/A	
	Dislocation	Sprain		Back	☐ Other	
	Fracture	Other		Arm/Shoulde	er If Other, please define:	
	Drowning (Fatal)	If Other, please define:		Hand/Wrist		
	✓ Drowning (Non-fatal)					



Description of the Injury (cont.)

- Bump/Bruise: a wound resulting in a raised area of the skin or skin discoloration.
- Burn: an injury to the skin caused by heat, chemicals, friction or electricity.
- Cut: a break in the surface of the skin that may extend into the muscle tissue below.
- Dislocation: an injury in which the bones in a joint are forced out of their usual positions.
- Drowning (Fatal): respiratory impairment from submersion in liquid followed by rapid death or death within 24 hours of the incident.
- Drowning (Non-fatal): respiratory impairment from submersion in liquid with permanent or non-permanent injury.
- Fracture: a broken bone.
- Puncture: a wound caused by an object piercing the skin.
- Scrape: a skin wound that rubs or tears off skin.
- Spinal: an injury to the spinal cord that results in lost or impaired functioning.
- Sprain: an injury to a ligament (tissue that connects two or more bones at a joint).



Description of the Injury (cont.)

- Bump/Bruise: a wound resulting in a raised area of the skin or skin discoloration.
- Burn: an injury to the skin caused by heat, chemicals, friction or electricity.
- Cut: a break in the surface of the skin that may extend into the muscle tissue below.
- Dislocation: an injury in which the bones in a joint are forced out of their usual positions.
- Drowning (Fatal): respiratory impairment from submersion in liquid followed by rapid death or death within 24 hours of the incident.
- Drowning (Non-fatal): respiratory impairment from submersion in liquid with permanent or non-permanent injury.
- Fracture: a broken bone.
- Puncture: a wound caused by an object piercing the skin.
- Scrape: a skin wound that rubs or tears off skin.
- Spinal: an injury to the spinal cord that results in lost or impaired functioning.
- Sprain: an injury to a ligament (tissue that connects two or more bones at a

joint).



Results of the Incident

		RESULTS O	FINCIDENT		
Was EMS called?		No	Was a water rescue performed?	X Yes	
Was injured person transported to a medical facility?	☐ Yes	⊠No	Was rescue breathing/resuscitation required?	Yes	×Νο
Was the injured person immobilized?		⊠No	Did staff offer or provide care or first-aid?	🛛 Yes	□No
Was oxygen supplied to the injured person?	☐ Yes	⊠No	Did injured person/guardian refuse care or first-aid?	Yes	⊠No
Was an AED used?	☐Yes	⊠Nο	Did injured person return to water activity?	X Yes	□No

	RESULTS OF INCIDENT	
	Was EMS called?	
	○ Yes ● No	● Yes ○ No
	—Was injured person transported to a medical facility?———	
	○ Yes ● No	○ Yes ● No
		Did staff offer or provide care or first-aid?
	○ Yes ● No	● Yes ○ No
		—Did injured person/guardian refuse care or first-aid?————
	○ Yes ● No	○ Yes ● No
		Did injured person return to water activity?
2017 Ohio Pu	○ Yes ● No	● Yes ○ No

Facility Identification

FACILITY IDENTIFICATION

Facility Name: Faci	lity Name		Facility A	\ddress:	23 Main	54.	
Columbus	3		Zip: 4	3215		Phone: 555	5-555-555
Facility Type (check one	e): Apartment.		overnment/ otel/Motel	City Pool	☐ Manufactu ☐ School	ıred/Mobile Ho	me Park
FACILI	TY IDENTIFICATIO	N	Facility A	ddress:			
Facility Name		123 Maii					
City: Columbus —Facility Ty	pe:		Zip: 43215	55555555555555555555555555555555555555	mbers only): 555		
O Camp	nment/City Pool	Manufactured/lSchoolOther	Mobile Home	Park	If Other, pleas	se define:	



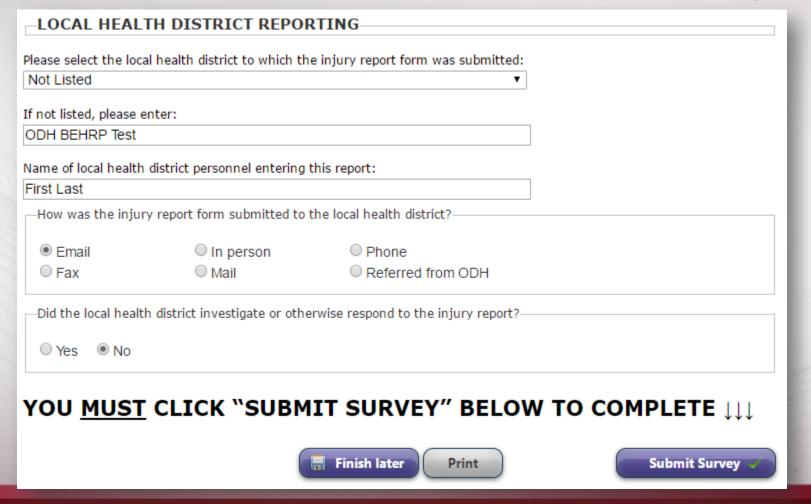
Form Completed By

	FORM C	OMPLETED BY	
Name: First Last	Title/Position: Lifequard	Phone: 555-555	Date: 05/01/17
POOL OI	PERATORS: SUBMIT COMPLETE	ED FORMS TO YOUR LOCAL HEALTI	H DISTRICT
To find your Local Health District:	visit <u>http://www.odh.ohio.gov/loc</u>	alhealthdistricts/Ihddirectory.	

FORM COMPLETED BY							
Name		Title/Position:					
First Last		Lifeguard					
Phone (numbers only):	Date:						
555555555	05/01/2017						



Local Health District Reporting





REPORTING FORM SUBMISSION WORKFLOW



Generalized Workflow

Pool

- Injury occurs
- Injury Report Form completed
- Injury Report form submitted to LHD

LHD

- Injury Report Form reviewed
- Injury investigated, as necessary
- Injury Report Form reported electronically to ODH

ODH

- Injury data aggregated and analyzed
- Annual report published
- Pool rules revised, as necessary



DEMO

Link 1 Link 2



QUESTIONS?



PLEASE BEGIN COLLECTING REPORTS SATURDAY, JULY 1, 2017



Contact Information

Mary J. Clifton, RS, MA
Recreation Programs Administrator
mary.clifton@odh.ohio.gov
(614) 466-6736

Sean-Paul A. Claypool, MPH CDC/CSTE Applied Epidemiology Fellow sean-paul.claypool@odh.ohio.gov (614) 752-4489

This study/report was supported in part by an appointment to the Applied Epidemiology Fellowship Program administered by the Council of State and Territorial Epidemiologists (CSTE) and funded by the Centers for Disease Control and Prevention (CDC) Cooperative Agreement Number 1U38OT000143-04.

