

Reducing Drownings Through Epidemiology & Interventions

Overview

Background

Process

Findings

Prevention

Questions/Discussion

NYS Drowning Risk



Drownings at “Regulated” Beaches and Pools

-DOH established policy to investigate & report on drownings

Regulated under State Sanitary Code

1,500 beaches

7,500 swimming pools

Regulations applied by 46 Local Health Departments

Facility Design Approval

Operational Inspections

Required incident reporting

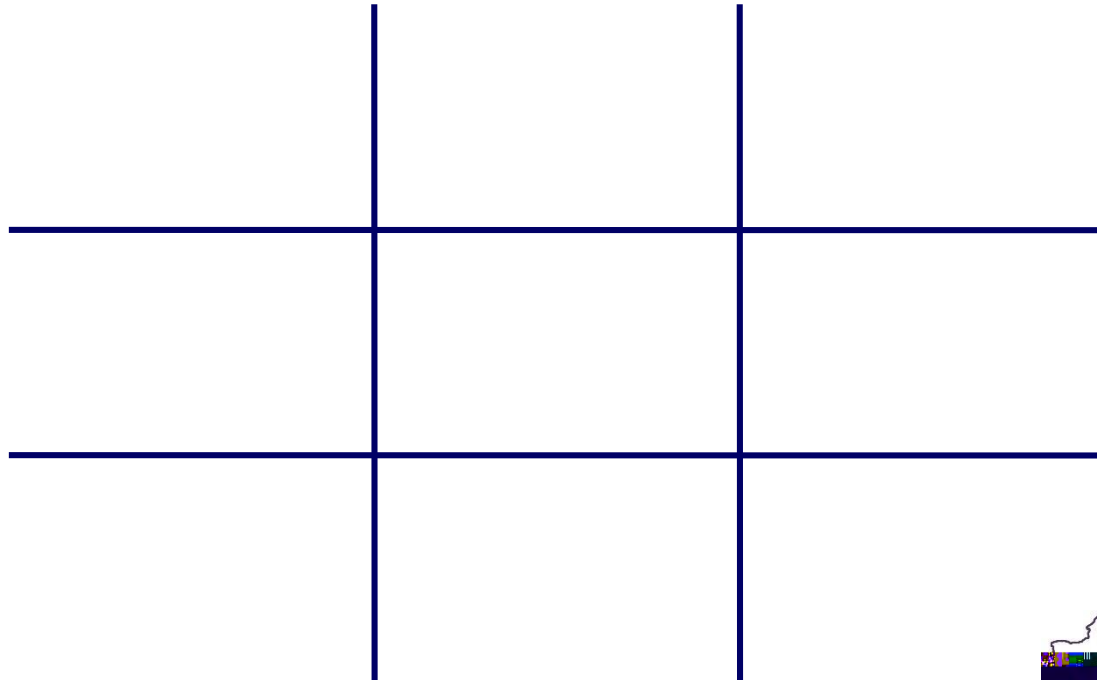
Process

Pre-

Host

Agent

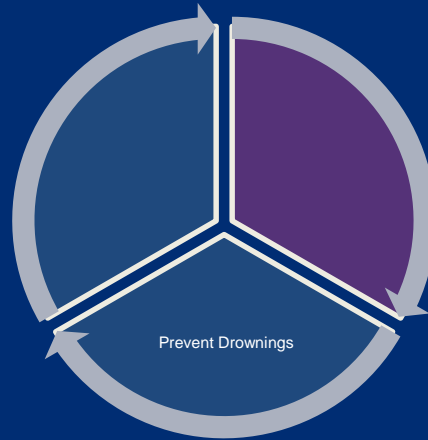
Environment



Investigation Tools

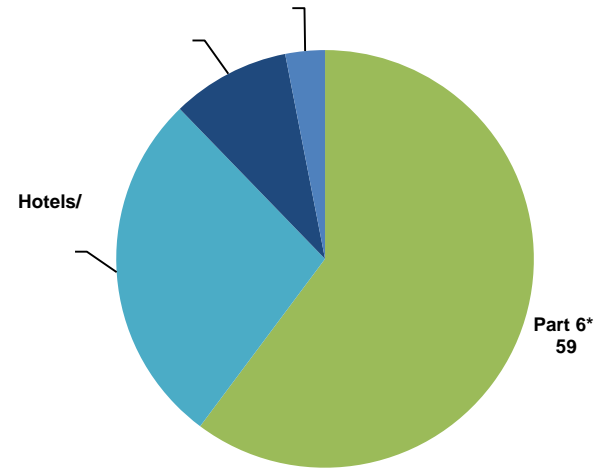
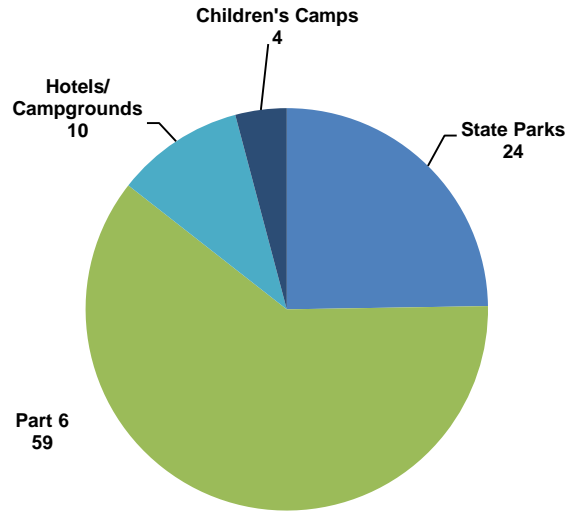
Data collection:

Findings

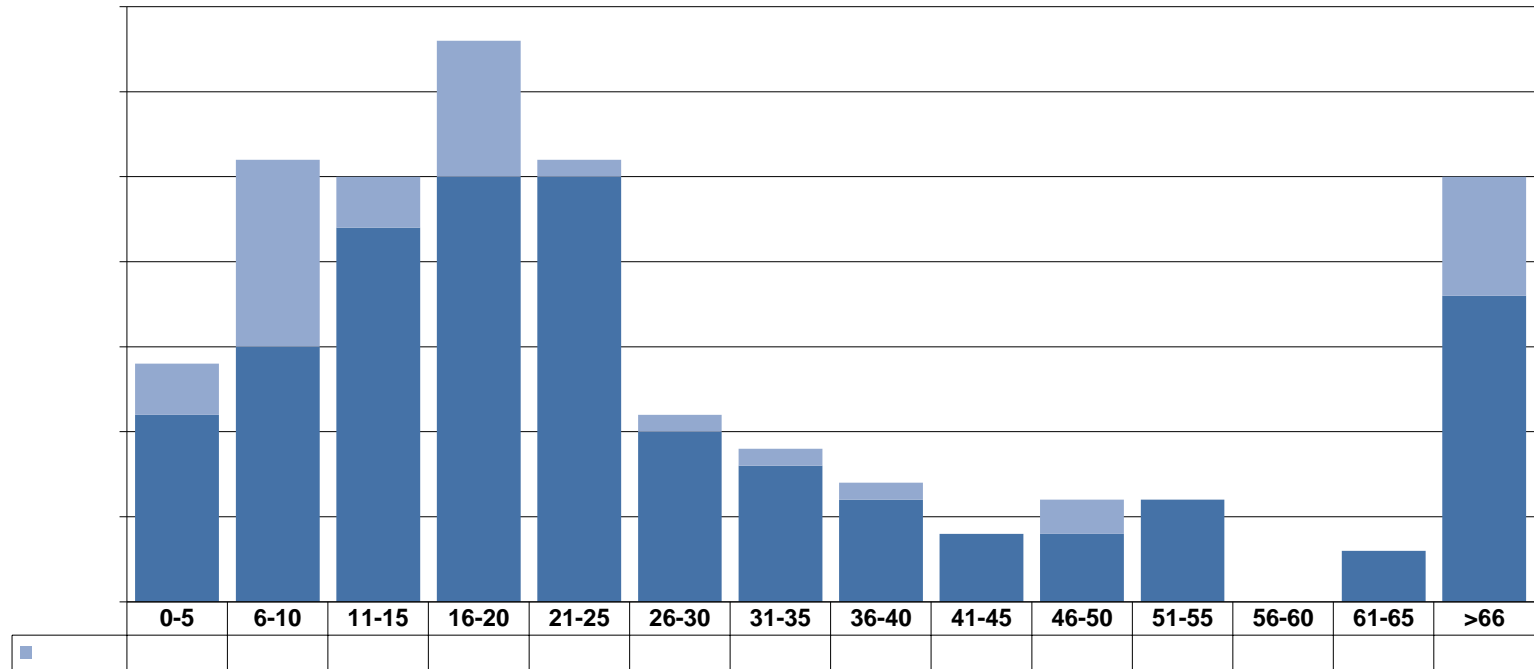


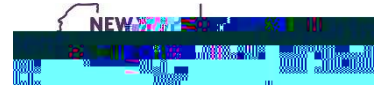
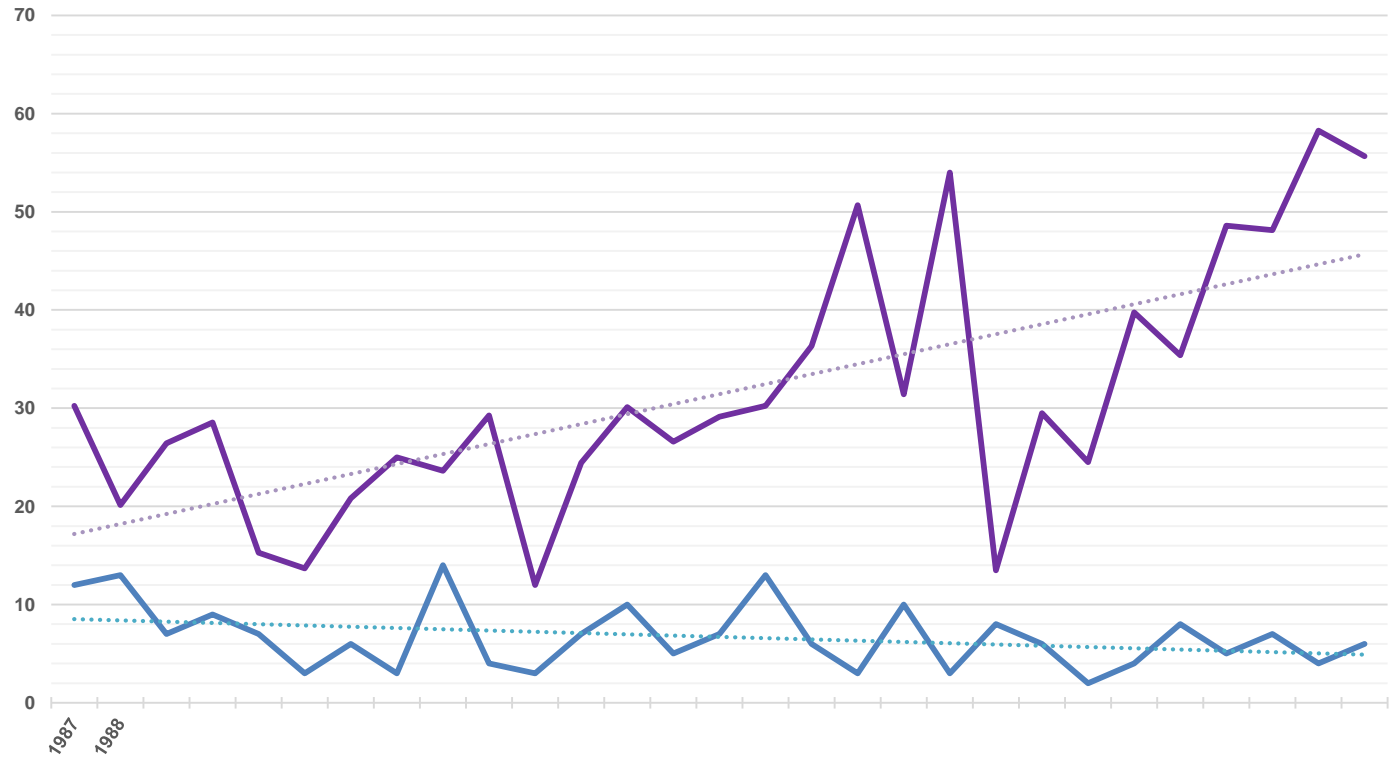
Drownings at NYS Regulated Bathing Facilities 1987 - 2014

Fatal Drownings at NYS Bathing Facilities 1987 - 2014

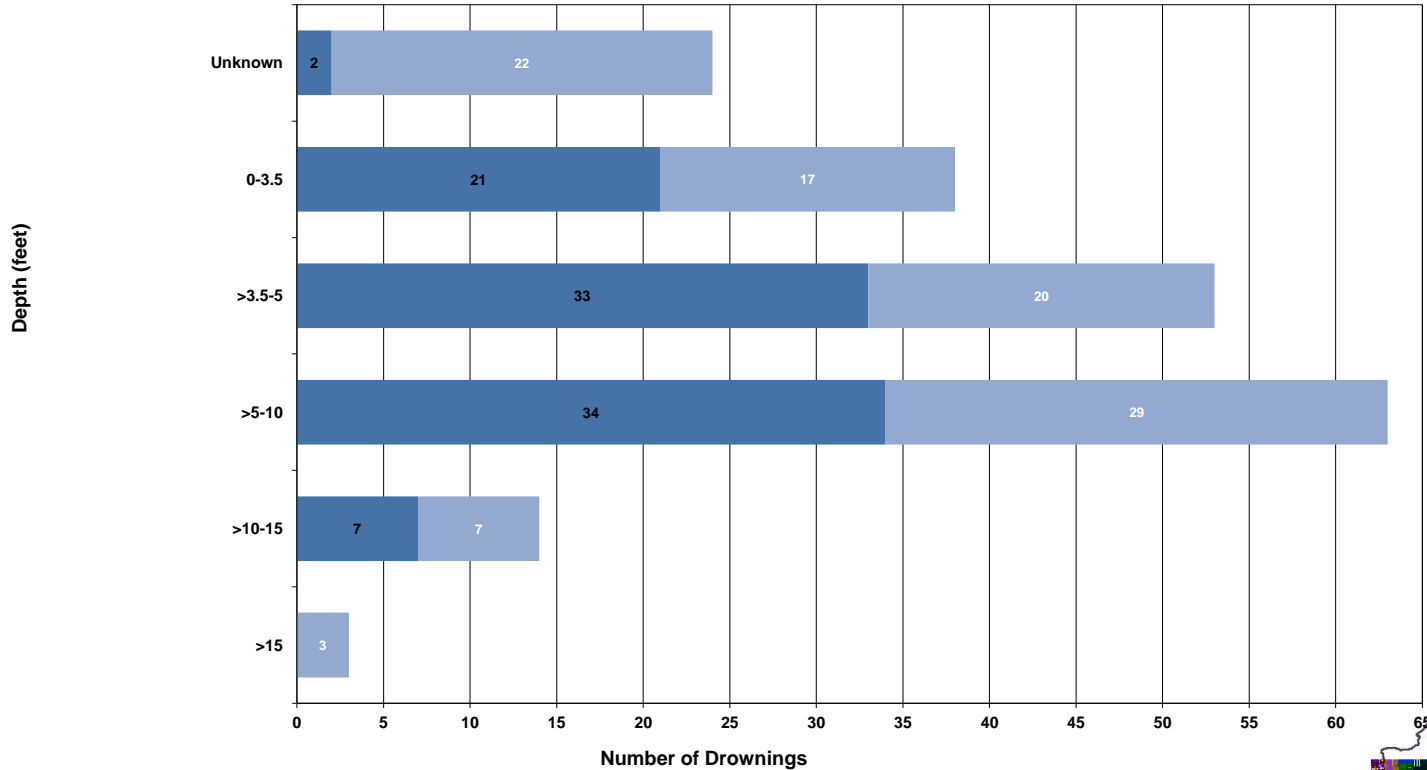


Fatal Drownings NYS Regulated Bathing Facilities: Age and Sex of Victim 1987-2014

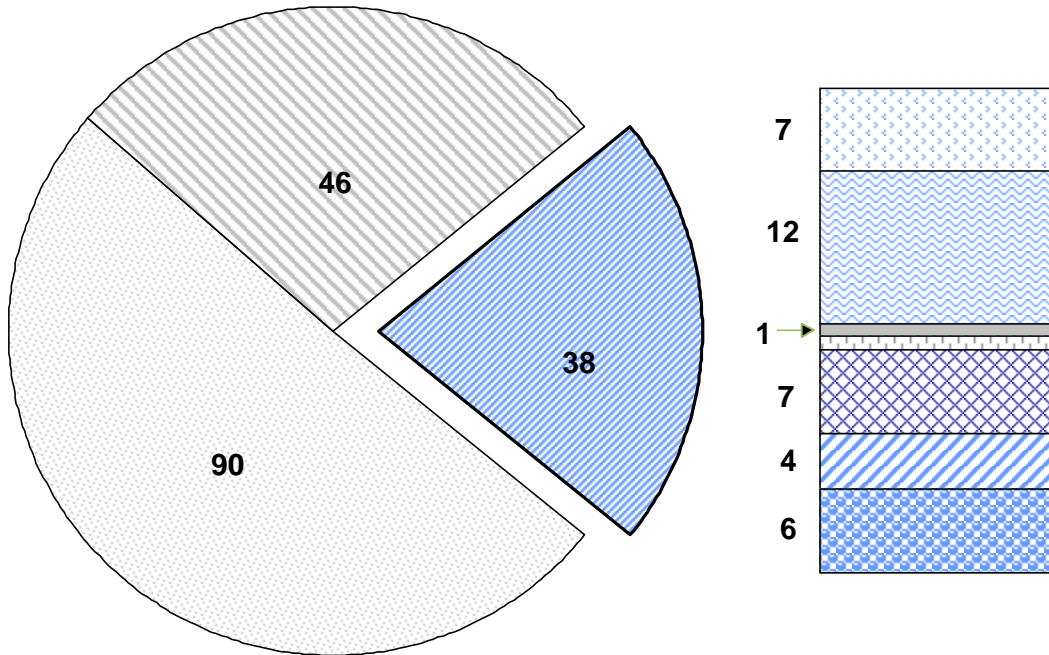




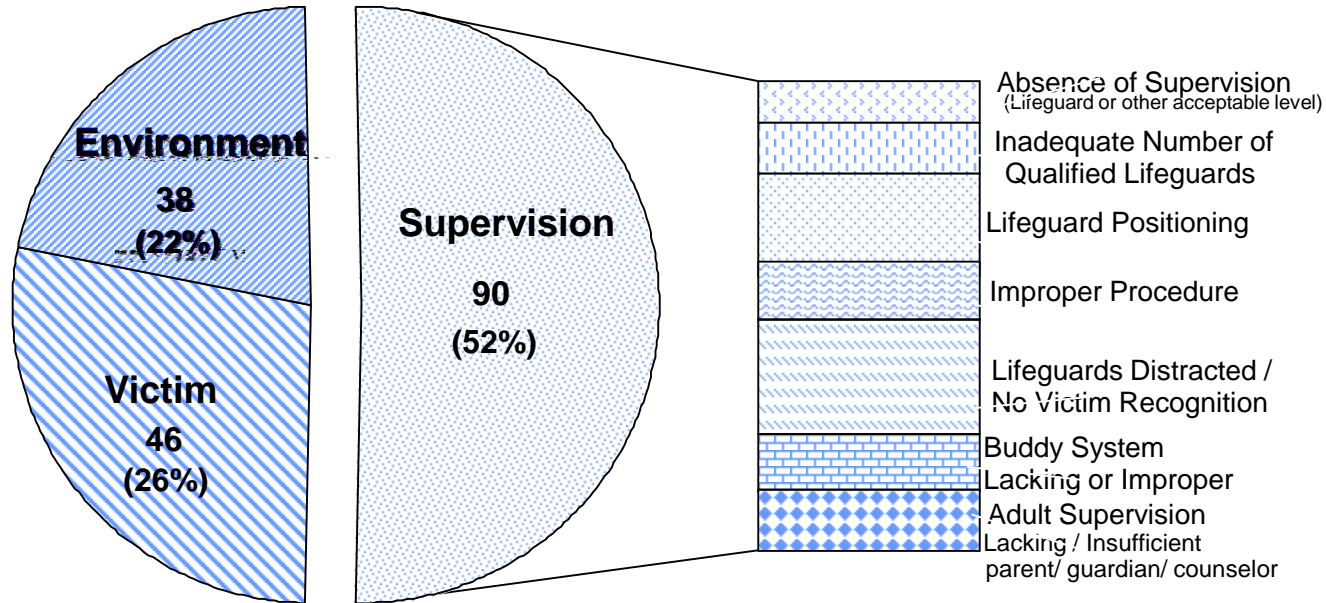
Water Depth at Location of Submersion 1987 - 2014



Contributing Factors*: Environment 1987-2001



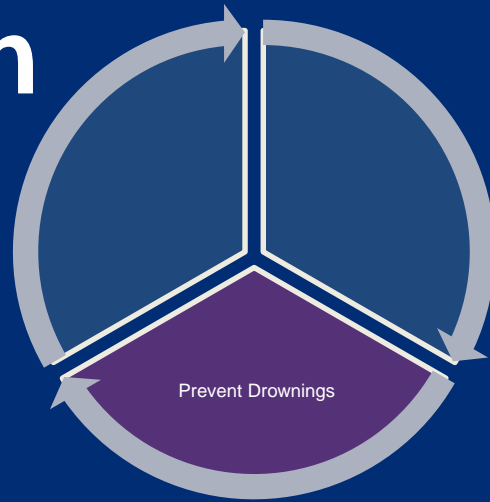
Contributing Factors*: Supervision 1987-2001



474 Contributing Factors Identified in 112 Drownings, 1987-2001

Don't Blame the Victim

Prevention



Prevention: Pre-event

Patron Surveillance & Supervision

- Design

- Capacity

- Lifeguard Training

 - Including instinctive drowning response

- Quantity & Positioning of Lifeguards

- Limit Duties

Prevention: Pre-event

Prevention: Post-event



Thank You!

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