

Reducing Drownings Through Epidemiology & Interventions

Overview

Background

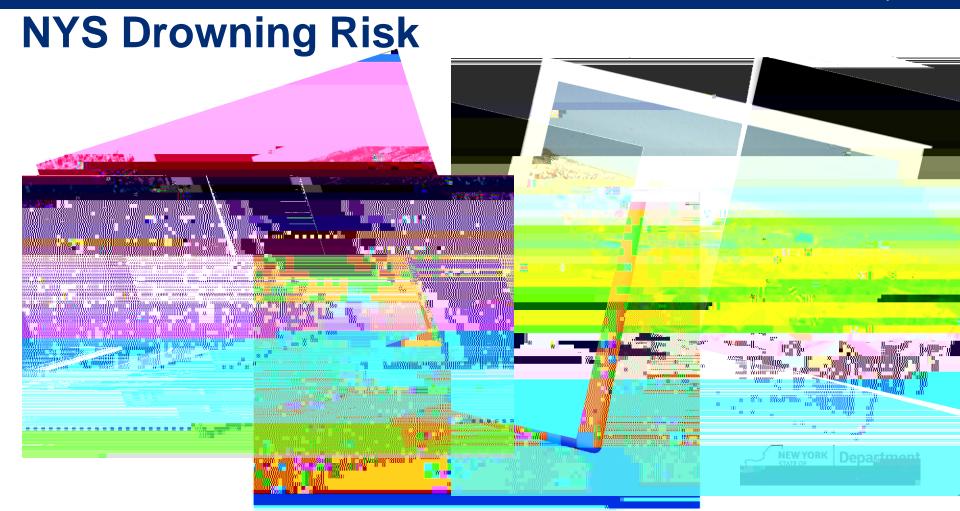
Process

Findings

Prevention

Questions/Discussion





Drownings at "Regulated" Beaches and Pools

-DOH established policy to investigate & report on drownings

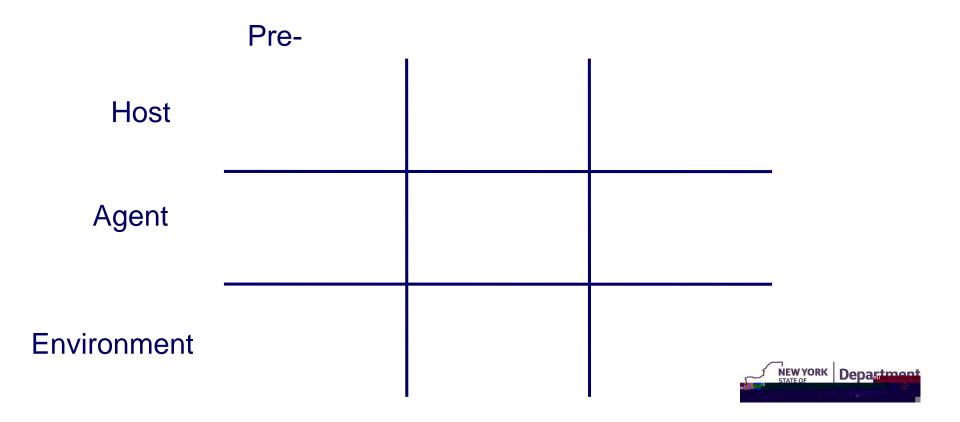
Regulated under State Sanitary Code 1,500 beaches 7,500 swimming pools

Regulations applied by 46 Local Health Departments
Facility Design Approval
Operational Inspections
Required incident reporting



Process



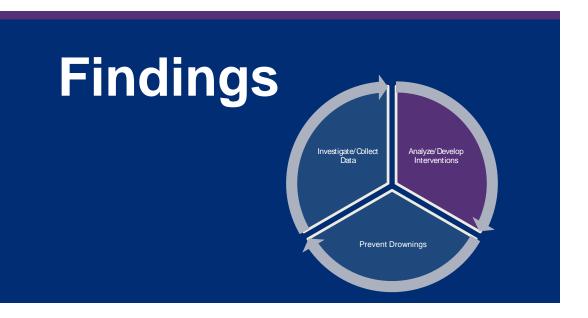




Investigation Tools

Data collection:





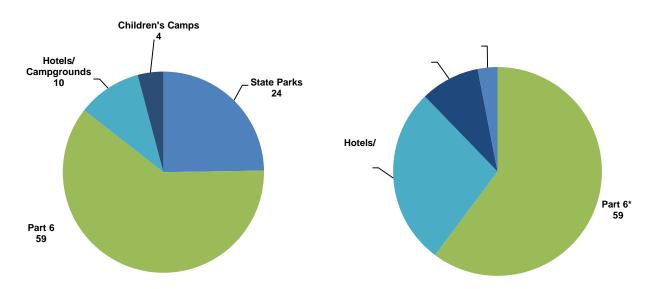


Drownings at NYS Regulated Bathing Facilities1987 - 2014

Pool n = 85Beach n = 86N = 185

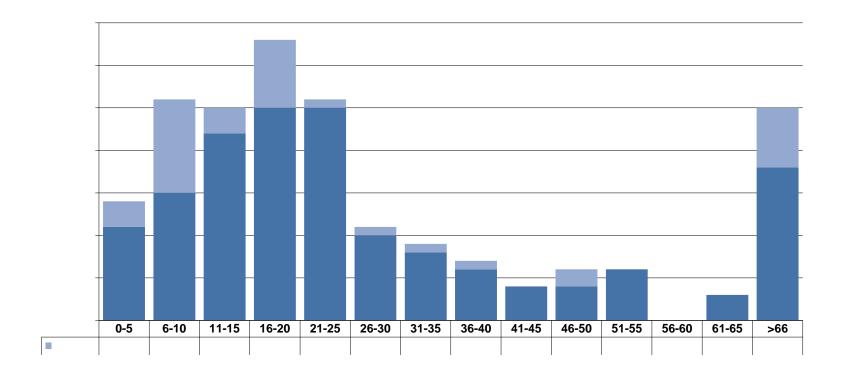
Annual Mean: 7.71

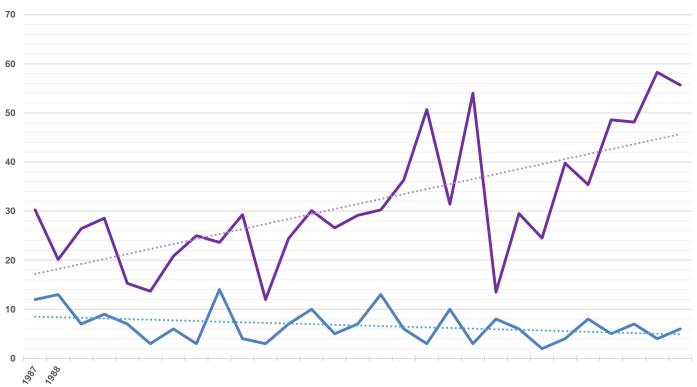
Fatal Drownings at NYS Bathing Facilities 1987 - 2014





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

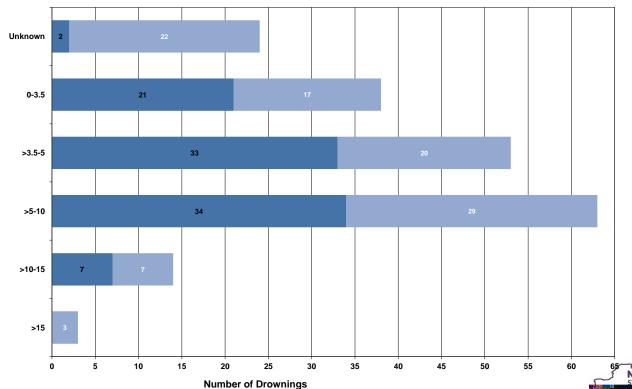






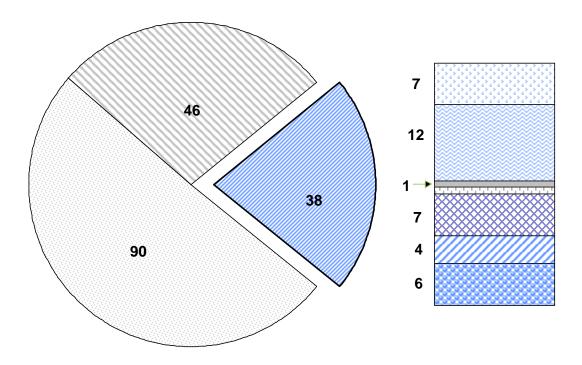
Water Depth at Location of Submersion 1987 - 2014

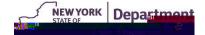




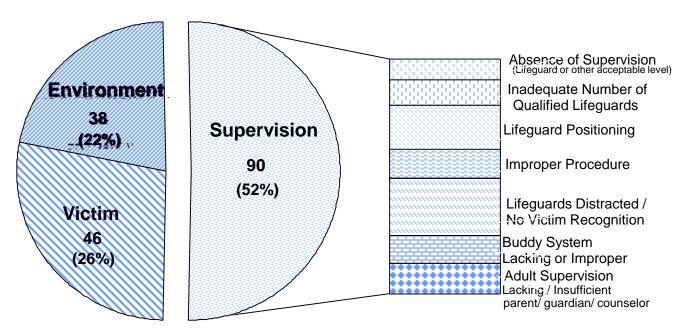
Pool n = 98
■Beach n = 97
N=195

Contributing Factors*: Environment 1987-2001





Contributing Factors*: Supervision 1987-2001

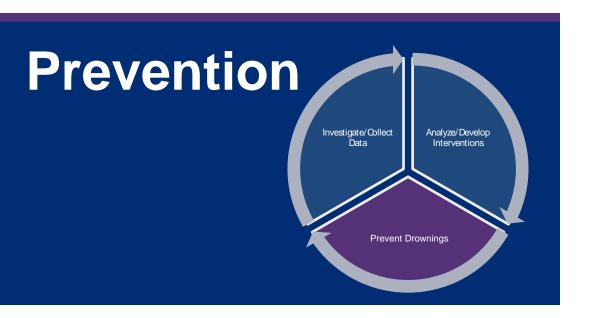






Don't Blame the Victim







Prevention: Pre-event

Patron Surveillance & Supervision

Design

Capacity

Lifeguard Training

Including instinctive drowning response

Quantity & Positioning of Lifeguards

Limit Duties



Prevention: Pre-event

Patron Surveillance & Supervision

Provides site specific details for drowning and injury prevention

Completed by facility managers

Reviewed/approved by local health departments

NYSDOH developed template for operators

Content based on known contributing factors



Prevention: Post-event

Incident Response

Training

Communication

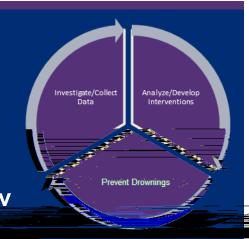
Treatment





Thank You!

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