

Presented by the Partners for Child Fatality Prevention
An AAP-OC Project

One More Is One Too Many: Pediatric Drowning Prevention

Thursday, August 19, 2021
6:00 PM – 7:30 PM
Webinar 2

American Academy of Pediatrics Orange County Chapter
A collaboration with the National Center for Fatality Review and Prevention and
AAP Section on Child Death Review and Prevention



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Partners for Child Fatality Prevention

American Academy of Pediatrics Orange County Chapter

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Goal: Create a sustainable partnership between our CDRT and AAP-OC and our partners to inform local prevention interventions and advocacy

1. Review OC CDRT data & recommendations.
2. Conduct Webinar(s) for pediatricians, and community health, education and social service providers to inform on
 - i) Role of CDRT
 - ii) Causes of child fatalities
 - iii) Prevention at the individual, community and policy levels
 - Webinar 1: CDRT
 - Webinar 2: Childhood Drowning
 - Webinar 3: Youth Suicide
3. “Partners for Child Fatality Prevention”: Sustainability



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- This is a **CME/CEU event**. You will be sent a survey to complete for your certificate.
- **Maintenance of Certification credit** (MOC Part 2) is also available with a passing grade of 80% on the post-test. Link for test will be sent to you.
 - Please complete this by **Friday, September 3, 2021**.
- Use the Q&A feature to ask questions.
- Please join us for additional scheduled Webinars
 - ***Youth Suicide: Too Young To Die***
 - Thursday, September 30, 2021 • 6:00-7:30 PM • Zoom



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Team

**Initial Leadership Team*

- *Phyllis Agran, MD, MPH
- *Sandra Murray, MD
- *Van Nguyen Greco, MD
- *David Nunez, MD, MPH
- *Ameer Mody, MD, MPH
- *Katherine Gitz, MD
- *Vinh Lam, MD
- *Diane Winn, RN, MPH
- Mary Jo Quintero, RN, PLN
- Mark Simonian, MD
- Erin Malone, MPH
- Tiffany Williams, Sr. Deputy Coroner, OC Sheriff's Department
- *Jaya Bhalla, AAP-OC Project Coordinator
- *Emma Course, AAP-OC CME Coordinator
- *Bianca Tomuta, AAP-OC Program Manager
- *Jamie McDonald, CHES, MPH, ED AAP-OC
- Harry Pellman, MD, CME Chair

Community Partners:

- Sara Brown PhD. Professor, Sue & Bill Gross School of Nursing
- Lee Lombardo LCSW, Associate Executive Director, YMCA OC



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AAP-OC Chapter Disclosure

CME Committee members and Partners for Child Fatality Prevention Planning Team have no relevant financial relationships with the manufacturer of commercial products or services discussed in this presentation.

The chapter staff associated with the review or planning of this presentation have no relevant financial relationships with the manufacturer of commercial products or services discussed in this presentation.



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Partners for Child Fatality Prevention: Pediatric Drowning Prevention

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Today's Agenda:

- Introduction by **Phyllis Agran MD**
- Data Overview by **Jaya Bhalla**
- The Pediatrician's Role in Child Death Review for Drowning Prevention
 - Speaker **Linda Quan MD**, Director National Child Fatality Review & Prevention
- The Story of Two Children: Rescue & CPR for Drowning Victims
 - Speaker **Mary Jo Quintero RN, PLN**
- Drowning Case Scenarios
 - **Van Nguyen Greco MD, Sandra Murray MD, Vinh Lam MD**
- Panel Discussion: How do you see your role in preventing pediatric drowning?
 - **Lee Lombardo LCSW, Mike Hallinan, UCI PD, Tiffany Williams, Sr. Deputy Coroner**
- California Pool and Spa Safety Law, 2017 by **Senator Josh Newman**
- Questions & Answers
- Learn About AAP-OC **Sharief Taraman MD**, AAP-OC President



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5 Leading Causes of Injury Deaths, California Children 0-17 years, 2019

<u>Age <1</u> (N=90)	<u>Ages 1-4</u> (N=112)	<u>Ages 5-9</u> (N=68)	<u>Ages 10-14</u> (N=120)	<u>Ages 15-17</u> (N=284)
Suffocation (48)	Drowning (44)	MVT, Unspec. (11)	Suicide (27)	Suicide (81)
Homicide (17)	Homicide (16)	MV Occupant (10)	MVT, Unspec. (23)	Homicide (66)
MVT, Unspec. (5)	Suffocation (11)	Drowning (10)	Homicide (15)	MVT, Unspec. (34)
Drowning (4)	MVT, Unspec. (9)	Homicide (10)	Pedestrian (13)	Poisoning (28)
All Other (16)	Pedestrian (9)	Pedestrian (9)	Drowning (8)	MV Occupant (23)

1. "Homicide" – Assaults & Homicides
2. "MVT, Unspec." – Motor Vehicle Traffic, Unspecified
3. "MV Occupant" – Motor Vehicle Occupant
4. "Pedestrian" – Pedestrian, Traffic & Nontraffic

**N = total # of fatalities
for age group**

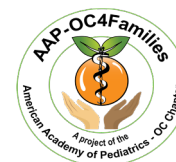
Source:

- EpiCenter, California
Department of Public Health

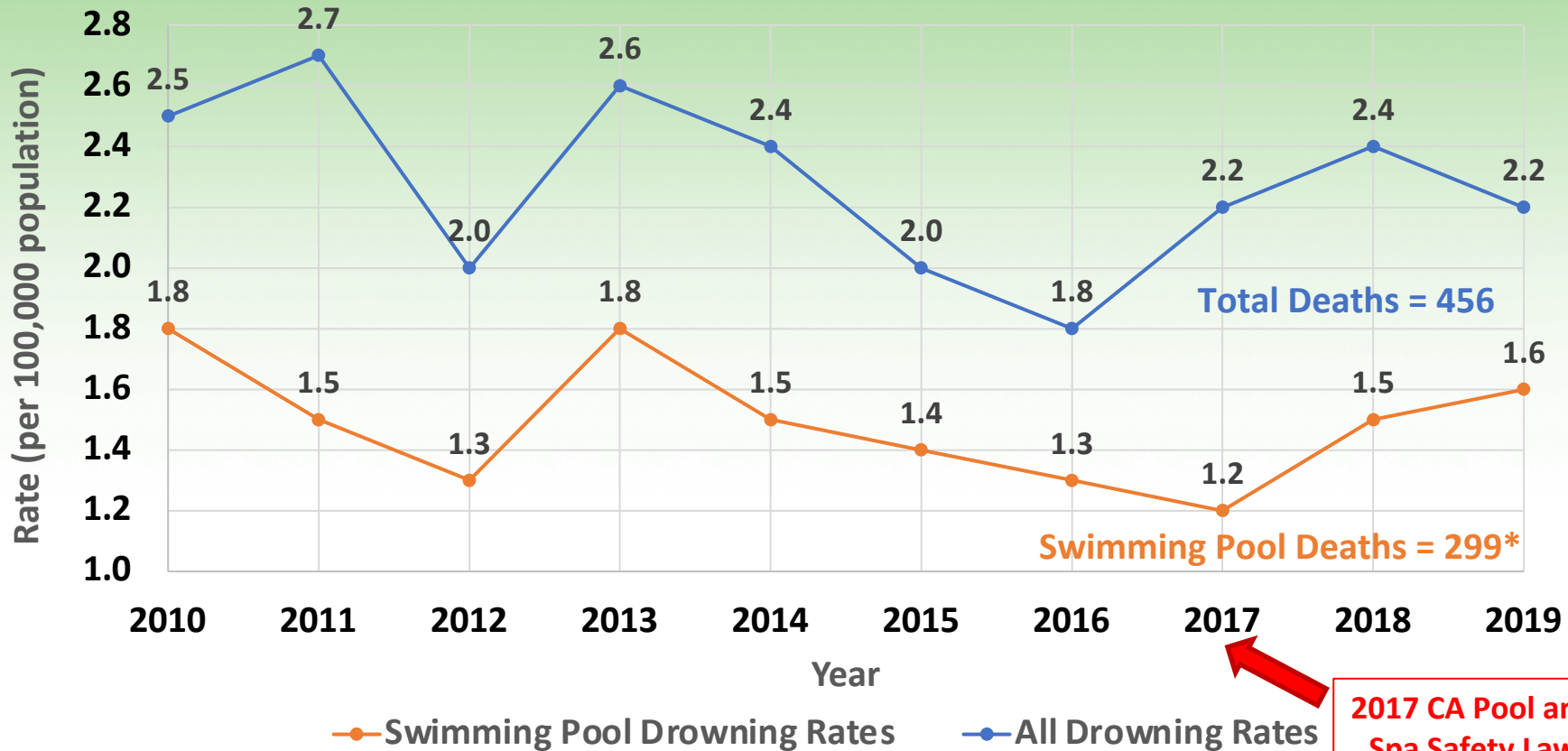


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All Drownings vs. Swimming Pool Drownings Trend Data for Ages 1-4 in California (2010-2019)



*299 may be an undercount of swimming pool deaths due to some incidents being coded as "unknown" or "unspecified" under all drownings

Source:

- EpiCenter, California Department of Public Health

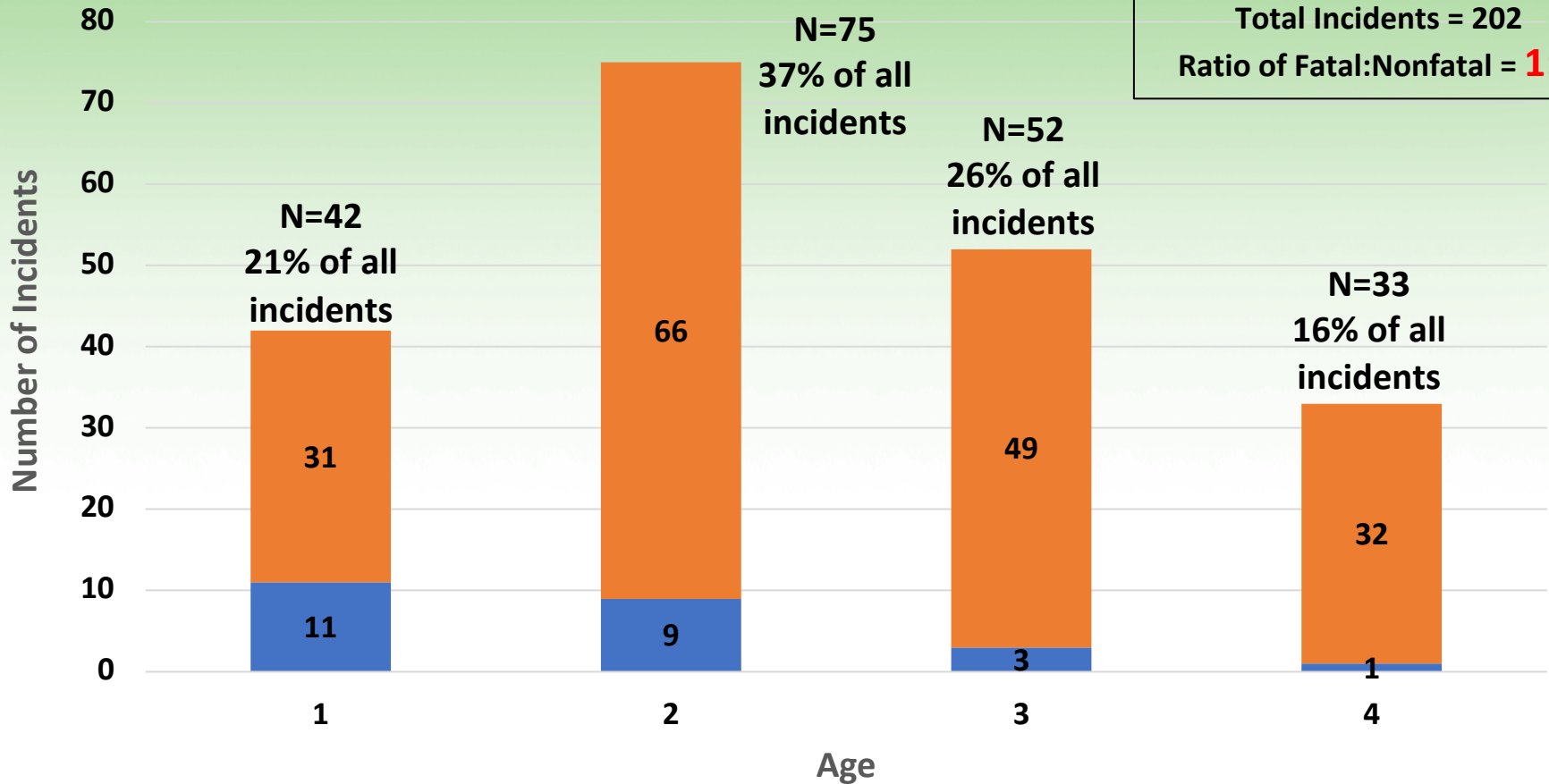


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Orange County Drowning Statistics in Children Ages 1-4 (2015-2020)

Total Nonfatal Incidents = 178
 Total Fatal Incidents = 24
 Total Incidents = 202
 Ratio of Fatal:Nonfatal = **1:8**



■ Fatal ■ Nonfatal

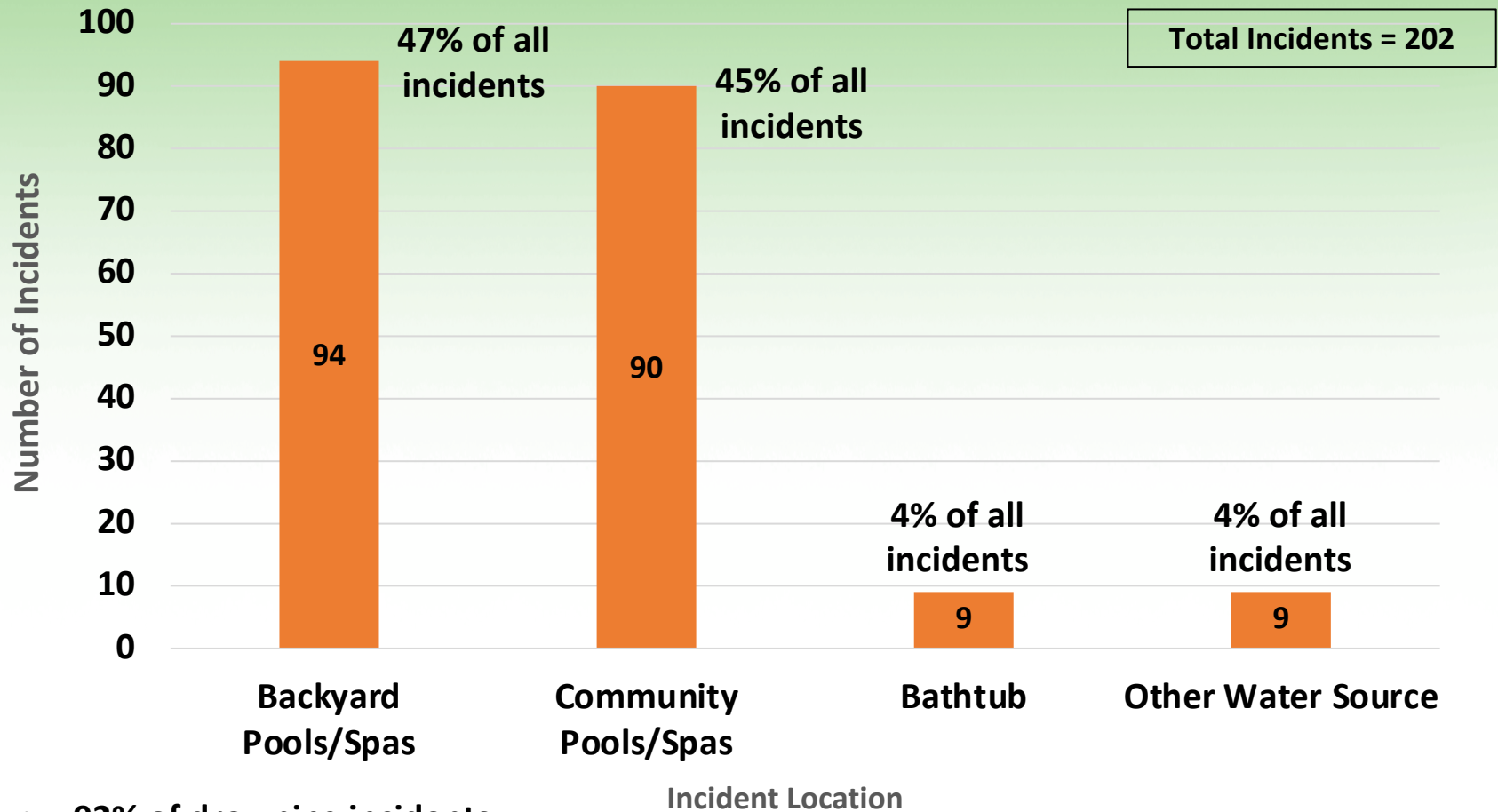
Source:
 - Orange County
 Fire Authority



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Orange County Drowning Statistics by Incident Location in Children Ages 1-4 (2015-2020)



- 92% of drowning incidents occurred in pools/spas

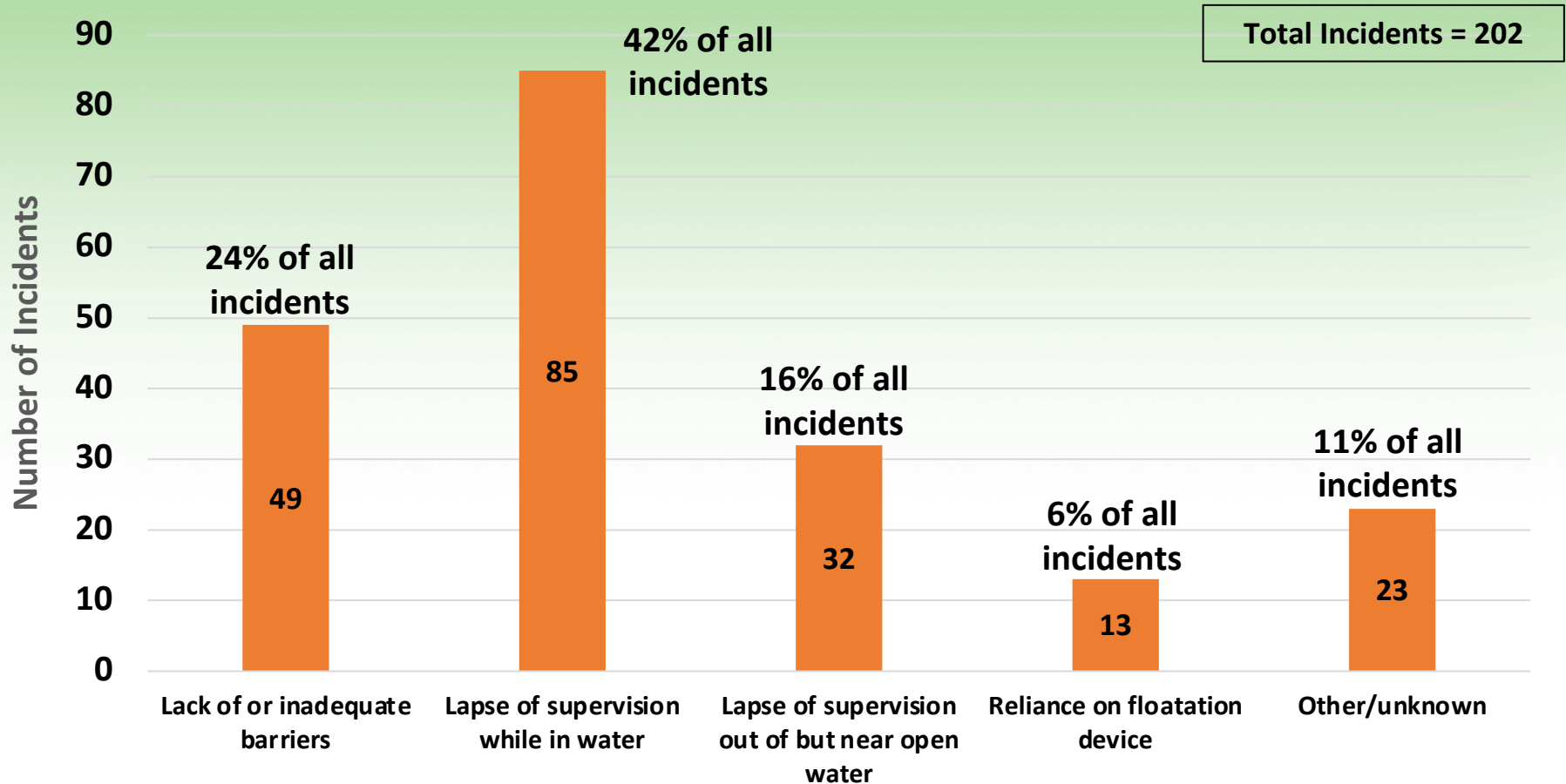
Source:
- Orange County Fire Authority



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Orange County Drowning Statistics by Precipitating Event in Children Ages 1-4 (2015-2020)



➤ **Supervision is necessary but inevitable lapses occur. No one method is 100% effective. We recommend multiple layers of protection.**

Precipitating Event

Source:
- Orange County Fire Authority



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Please welcome our first speaker: **Linda Quan, MD**



Dr. Quan is Professor Emeritus of Pediatrics at the University of Washington School of Medicine, Former Chief of Pediatric Emergency Medicine

Areas of research include: prehospital care, drowning prevention, ethnic/racial minorities and life jacket use.

Steering Committee of Water USA, National Action Plan for Water Safety, representing AAP.

Works on CDC, American Heart Assoc. WHO and other advisory groups.

Committed to policy and legislative approaches to drowning prevention.



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Please welcome our next speaker: **Mary Jo Quintero, RN, PLN**



Mary Jo Quintero is a Pediatric Nurse at Valley Children's Healthcare located in Madera, California for >40 years.

Critical Care Transport Nurse Coordinator for the Pediatric Intensive Care Unit (PICU) Transport Team.

Pre-Hospital Liaison Nurse in the Emergency Department.

Water Safety Program Coordinator at Valley Children's Hospital and Executive Board Member of the Water Safety Council of Fresno County and multiple other water safety task forces.



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Case Studies:

Van Nguyen Greco MD, CDRT Orange County; Child Abuse
Pediatrician UC Irvine

Sandra Murray MD, Former member OC CDRT, Child Abuse
Pediatrician UC Irvine

Vinh Lam, MD, Pediatric Surgeon, AAP-OC Board of Directors,
Officer, Co-Chair Injury and Violence Prevention Committee



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Which are evidence-based drowning prevention strategies?



NIRVANA
NEVERMIND



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Which is a U.S. Coast Guard Approved Life Jacket?



Case Scenario: Residential Pool

Vinh Lam, MD

21-month child and 23-month child live with their respective mothers and Vietnamese speaking grandparents. Grandmother provides childcare.

Access to pool through sliding door left open

No one knew how to swim.

Language barrier, disconnected 911.

Both drowned.



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Panel:

How do you see your role in childhood drowning prevention?

Lee Lombardo, LCSW Associate Executive Director YMCA
Community Services

Mike Hallinan, Police Lieutenant, Operations Division, UCI
Police Department

Tiffany Williams, Sr. Deputy Coroner, Orange County



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CA Pool and Spa Safety Law, 2017

- California's Swimming Pool Safety Act (Health and Safety Code §§115920- 115929) pool or spa be equipped with **at least 2 of 7** specified drowning prevention safety features at time of transfer of property, construction or remodel.
- Home Inspection and Report at transfer of property.
- Only applies to **single family home**
- Swimming lessons encouraged



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Q&A

Moderated by Jaya Bhalla



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Thank you for attending!

You will be sent the evaluation link and the link for the post-test for MOC Part 2.

Please complete both by ***Friday, September 3, 2021.***

Join us for our next webinar on September 30th to discuss Youth Suicide Prevention!



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Thank you for attending!



CME Evaluation Form:

https://www.surveymonkey.com/r/PCFP2_081921_CME

MOC-2 Post-Test:

https://www.surveymonkey.com/r/PCFP2_081921_MOC

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Successful completion of this CME activity, which includes participation in the activity and individual assessment of and feedback to the learner, enables the learner to earn up to 1 MOC points in the American Board of Pediatrics' (ABP) Maintenance of Certification (MOC) program. It is the CME activity provider's responsibility to submit learner completion information to ACCME for the purpose of granting ABP MOC credit.



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