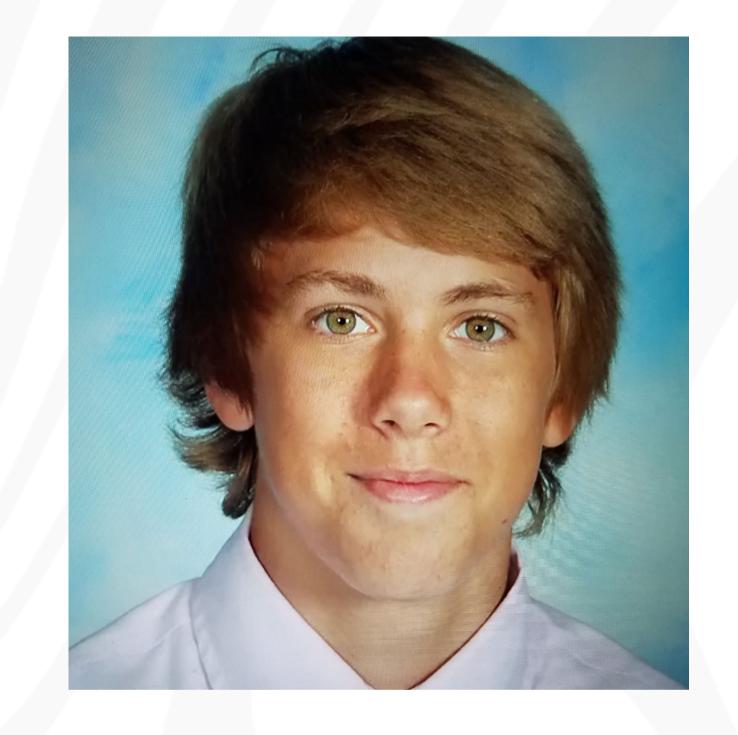
## The Boy That Sparked A Movement



**Drew Hughes** 9.01.99 - 6.29.13

The True Impact of Unplanned Extubation

#### The Boy That Sparked A Movement

Drew Hughes was one of the 33,000 who unnecessarily lost his life in 2013





**Drew Hughes** 

On June 29, 2013, 13-year-old Drew suffered a head injury while skateboarding. In the ER he was awake, alert and appeared to be fine.

The doctor ordered a CT scan of his brain and found a possible basilar skull fracture. For Drew's safety, he was to be transferred to the Level I Trauma Center and a breathing tube was placed for the transfer by ambulance...



**Drew Hughes** 

Drew's breathing tube became dislodged during transport. When replaced, it was put in his esophagus rather than his trachea.

His oxygen levels fell, and his heart rate slowed.

By the time the ambulance diverted to a nearby hospital, it was too late.

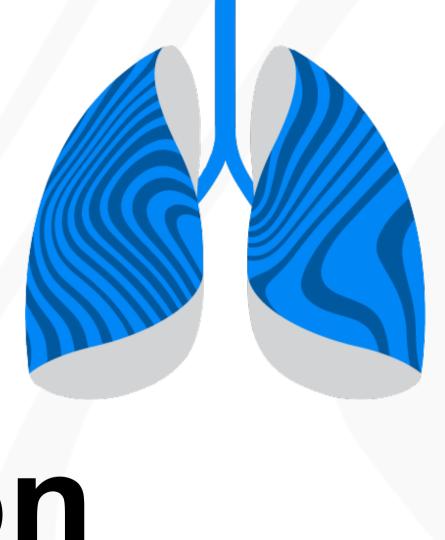
Drew suffered anoxic brain injury and lost his life.



**Drew Hughes** 

## But Drew's legacy lives on. His story inspired a movement...

# The True Impact Of Unplanned Extubation



airway safety movement

## What Is Unplanned

Extubation?



#### **What Is Unplanned Extubation?**

Unplanned Extubation is the unplanned, unintentional and uncontrolled removal of a patient's life sustaining breathing tube.

airway safety movement

## The Impact Of Unplanned Extubation?

#### Unplanned Extubation Common and Costly

Unplanned extubation events annually in U.S. ICUs alone

Adult ICUs 121,000

Pediatric ICUs 2,000

Neonatal ICUs 15,000

Yearly, unplanned extubation is associated with...

33,000 preventable deaths every year

36,000 cases of ventilator-associated pneumonia

2X increased length of stay in the ICU

\$41,000 additional cost per unplanned extubation

\$4.9 billion in unnecessary healthcare costs

#### **Unplanned Extubation By The Numbers**



Deaths from Firearms*	39,000 /yr
Deaths from Unplanned Extubation*	33,000 /yr
Deaths from Catheter Associated Urinary Tract Infections*	13,000 /yr
Deaths from Medication Errors*	7,000 - 9,000 /yr
Deaths from Surgical Site Infections*	8,200 /yr
Deaths from Central Line Associated Blood Stream Infections*	3,600 - 7,800 /yr
Deaths from Opioid Induced Respiratory Depression in Hospital*	3,000 - 5,000 /yr

### airway safety movement the campaign to zero.

Medical professional societies, and patient safety and quality improvement organizations have joined forces to bring awareness to, and prevent, unplanned extubation.

#### 20 partnering organizations now make up the Coalition for the Unplanned Extubation Awareness & Prevention Initiative (CUEAPI)









































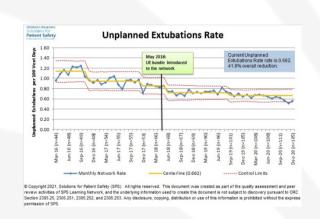




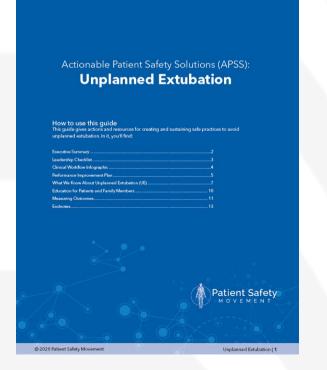
The Airway Safety Movement, The Society for Airway Management, The Patient Safety Movement Foundation and the Children's Hospitals' Solutions for Patient Safety Network:

#### Together we've...

Developed the tools necessary to significantly reduce unplanned extubation



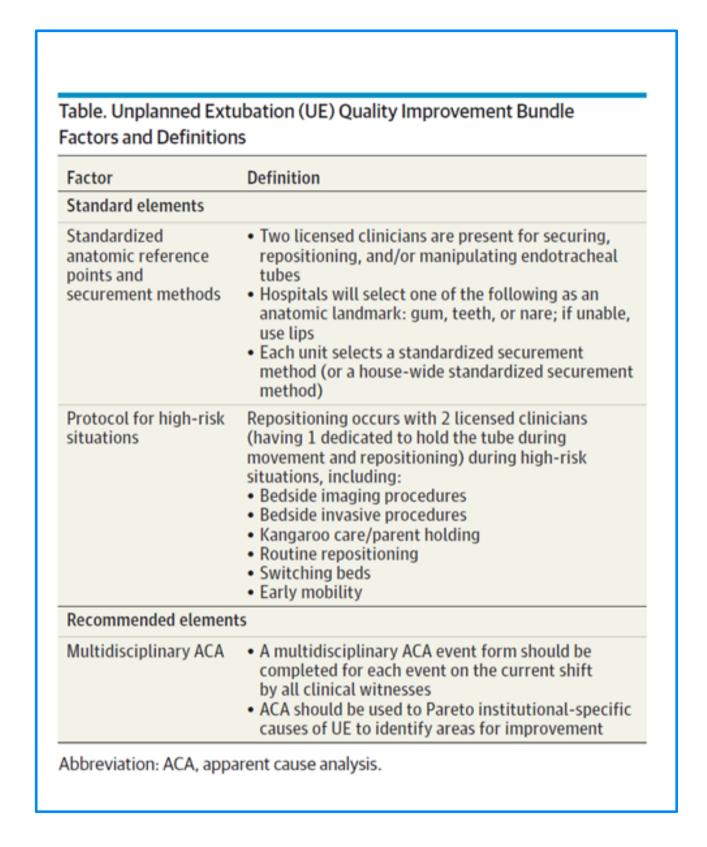
- The Children's Hospitals' Solutions for Patient Safety Network has demonstrated that, by sharing successes and failures transparently, learning from one another, employing high-reliability concepts and quality improvement science methods, and standardizing best practice UE bundles, UE can be significantly reduced.
- The **Patient Safety Movement Foundation** created Actionable Patient Safety Solution Blueprints, educational resources and an APSS coaching program, based on proven best practices, for hospitals to use to improve their UE rates.



• The Airway Safety Movement and the Society for Airway Management organized the Coalition for UE Awareness and Prevention Initiative, which has disseminated information to increase UE awareness and prevention and has ignited countless conversations with UE-stakeholders to end UE related harms and deaths.

#### Resources for UE Awareness and Prevention





UE Quality Improvement Process and Bundle Studied by 43 children's hospitals may be considered standard of care for pediatric hospitals.

Published JAMA Pediatrics April 2020

#### Resources for UE Awareness and Prevention



Airway Safety Panel Discussion Webinar:

**Speaking Up and Getting Started** 

Dr. Kanowitz; Dr. Berkow; Dr. Kandil; Dr. Lyren; Dr. Loftin; David Hughes



Eliminating Unplanned Extubation in Pediatrics Dr. Sarah Kandil



The Unplanned Extubation Awareness and Prevention Initiative: A Multispecialty Collaborative

Dr. Lauren Berkow



Airway Safety: Application of the APSS for UE Dr. Edwin Loftin



Adult Hospitals' Solutions for Airway Safety Dr. Art Kanowitz

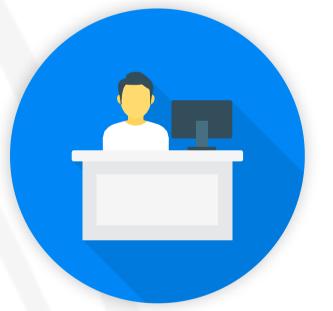
Patient Safety Movement Foundation Videos and Webinars on Unplanned Extubation Awareness and Prevention What's Next?

# But more needs to be done...

### Who can commit to help.



Patient Safety & Quality Improvement Departments



Hospital Executives



**Providers** 



Patients & Patient Advocates



Electronic Health Record (EHR) Companies



#### Patient safety and quality improvement departments:

- Talk to your leadership to get support
- Track intubated patient data
- Take assessment of your UE rate
- Implement the Patient Safety Movement Foundation's Actionable Patient Safety Solution Blueprint for Unplanned Extubation <a href="https://www.patientsafetymovement.org/clinical/airway-safety">www.patientsafetymovement.org/clinical/airway-safety</a>
- Implement the Children's Hospitals' Solutions for Patient Safety UE Bundle www.solutionsforpatientsafety.org/for-hospitals/hospital-resources





#### **Healthcare Executives:**

- Commit to empowering your quality and safety teams to elevate UE to the status of a key performance measure and provide the resources necessary for this process to occur
- Take assessment of your facility's UE rate
- Become an ambassador for UE data tracking, quality measures and best practices
- Develop a core team to reduce UE and engage staff
- Talk to EHR companies about integrating UE data tracking

#### **Move The Movement**



#### **Providers:**

- Become a cheerleader of UE best practices and data tracking
- Advocate for the IHI model for improvement



#### **Patients and Patient Advocates:**

- Ask your hospital providers how important UE is to them
- Ask what quality measures they have in place and how they prevent UE from occurring





#### Electronic Health Record (EHR) Companies:

- Add the Unplanned Extubation Core Data Set to your software
- Educate system users about UE data tracking and its importance

#### June 29 is the anniversary of Drew's Death

Please honor Drew's Legacy.

Take action and prevent any further harm or death from UE.







**Let's Move The Movement** 

### Let's Commit to end all harm and death associated with unplanned extubation.

Learn more and get involved at:

www.patientsafetymovement.org

www.solutionsforpatientsafety.org

www.samhq.com

www.airwaysafetymovement.org

#### **Sources**

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