



# USHST

## United States Helicopter Safety Team



### Monthly Safety Report

### November 2024

The USHST is a regional partner to the Vertical Aviation Safety Team ([VAST](#)).

**USHST GOAL:** Reduce the US helicopter 5-year average fatal accident rate to **0.55** (per 100,000 flight hours) by 2025 (5 years)

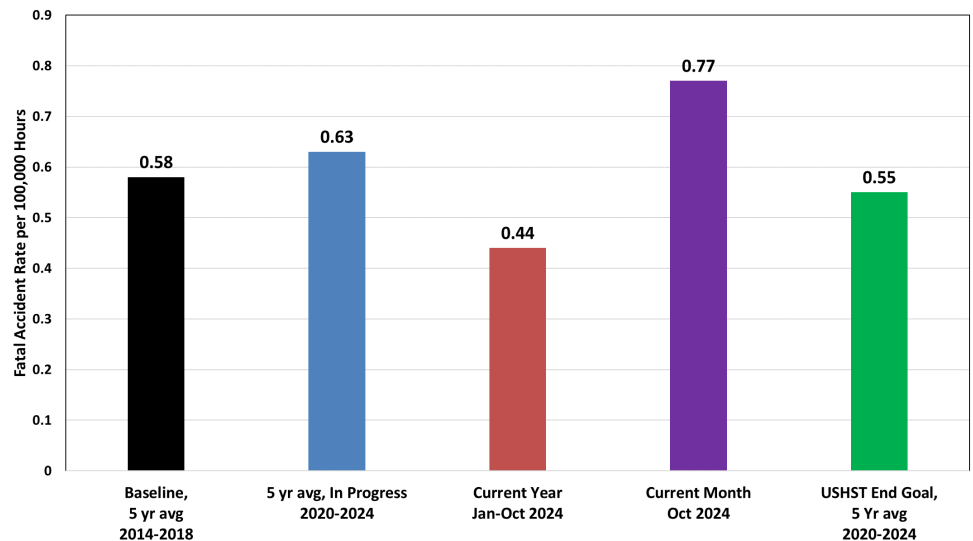
**USHST Vision:** A civil US registered helicopter community without fatal accidents

**Safety by the Numbers!**

Metric	2020 - 2024	2019 - 2023
Avg <b>Fatal</b> Acc Rate	<b>0.63</b>	<b>0.7</b>
Avg Accident Rate	3.75	3.91
Year To Date	Current Year (CY24)	Previous Year (CY23)
<b>Fatal</b> Accidents	11	14
Accidents	78	86
Fatalities	26	24

### Average number of days between fatal accidents:

- 2020: 18 days
- 2021: 17 days
- 2022: 21 days
- 2023: 19 days
- 2024: 26 days



### Longest time between fatal accidents (past 5 yrs):

**107 days (2020)**

### Fatal Accident Counter

**2 : 22 : 37 : 56**

Days : Hours : Mins : Secs

Each year the U.S. helicopter industry safely flies approx. 3 million flight hours and **every** second of **every** flight must be handled with professionalism.



## Did "YOU" Know?

In the US there are **12,000 +** helicopters, **32,000 +** helicopter pilots and over **292,000** aircraft mechanics!

The USHST has identified the following industries for **OUTREACH**:

**Personal/Private, Helicopter Air Ambulance (HAA), Commercial and Aerial Application**

Your participation in joining our vision of fatal accidents is important to us. To determine how your interests best align with active USHST efforts, please click the link below to complete the form and submit.

[JOIN/FOLLOW USHST](#)



(3202 Members, 22 New)



Join the USHST - Scan the QR code to receive a free Hughes App subscription & USHST Membership Card



### Helicopter Safety OUTREACH events:

- [NEW: Press Release - USHST Expands to Support Pilot Mental Fitness](#)
- [FAAST Blast - Week of 3 November, 2024](#)
- [FAA Rotorcraft Accident Dashboard \(September 2024\)](#)
- [USHST Summer 2024 Newsletter](#)



Safety Enhancement Quick List



**U.S. Helicopter Safety Team**

**Helicopter – Safety Enhancements**  
Our Vision: A civil helicopter community with zero fatal accidents

## [Helicopter - Safety Enhancement \(H-SE\) Details](#)

[H-SE 2023-05, Training on effects of adverse wind situations.](#)

The goal of this H-SE is to better illustrate the hazards posed by adverse winds on rotorcraft performance, especially when operating at low airspeeds. As an example, similar, but unrelated efforts, have been undertaken in the fixedwing world around loss of control events and the use of Angle-of-Attack (AOA) indicators. Vertical flight operations at low airspeed are predictable when the air-circulation through the rotor system is able to maintain a steady-state. It can be visualized as a bubble of air circulating around the rotor system. If this bubble is disrupted, or "popped", a corresponding loss of lift can result. This creates a performance scenario that is not indicated by any instruments and is not able to be planned through a chart, but rather is managed by the pilot through a combination of forethought, experience, knowledge of wind directions and intensity around the aircraft, distance from obstacles and power reserves available. Given that it is not currently possible to provide rotorcraft pilots with an indicator that shows an impending loss of lift, this H-SE seeks to promote effective training solutions for pilot decision making and more effective risk assessment during operations.

**USHST PRIORITY Safety Resources:**

[Videos](#)

[USHST Safety App](#)

[Original H-SE Summation Report](#)

See you next year!  
**March 10–13, 2025**  
Exhibits Open March 11–13

**VERT:CON**  
FORMERLY HAI HELI-EXPO  
Dallas 2025 | POWERED BY VAI



**NEW! ERAU Senior Research Project:**  
**"Usage of PPE In Helicopters"**

Click this [link](#) or on the QR code.



**USHST**

**United States Helicopter Safety Team**