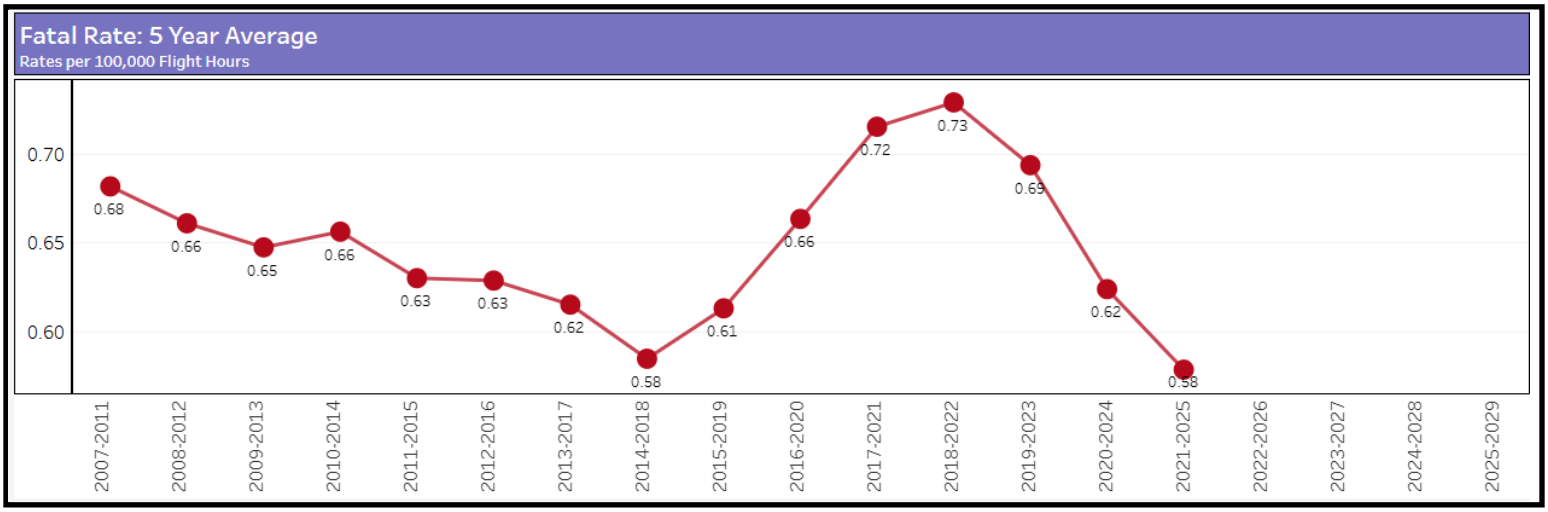
USHST United States Helicopter Safety Team

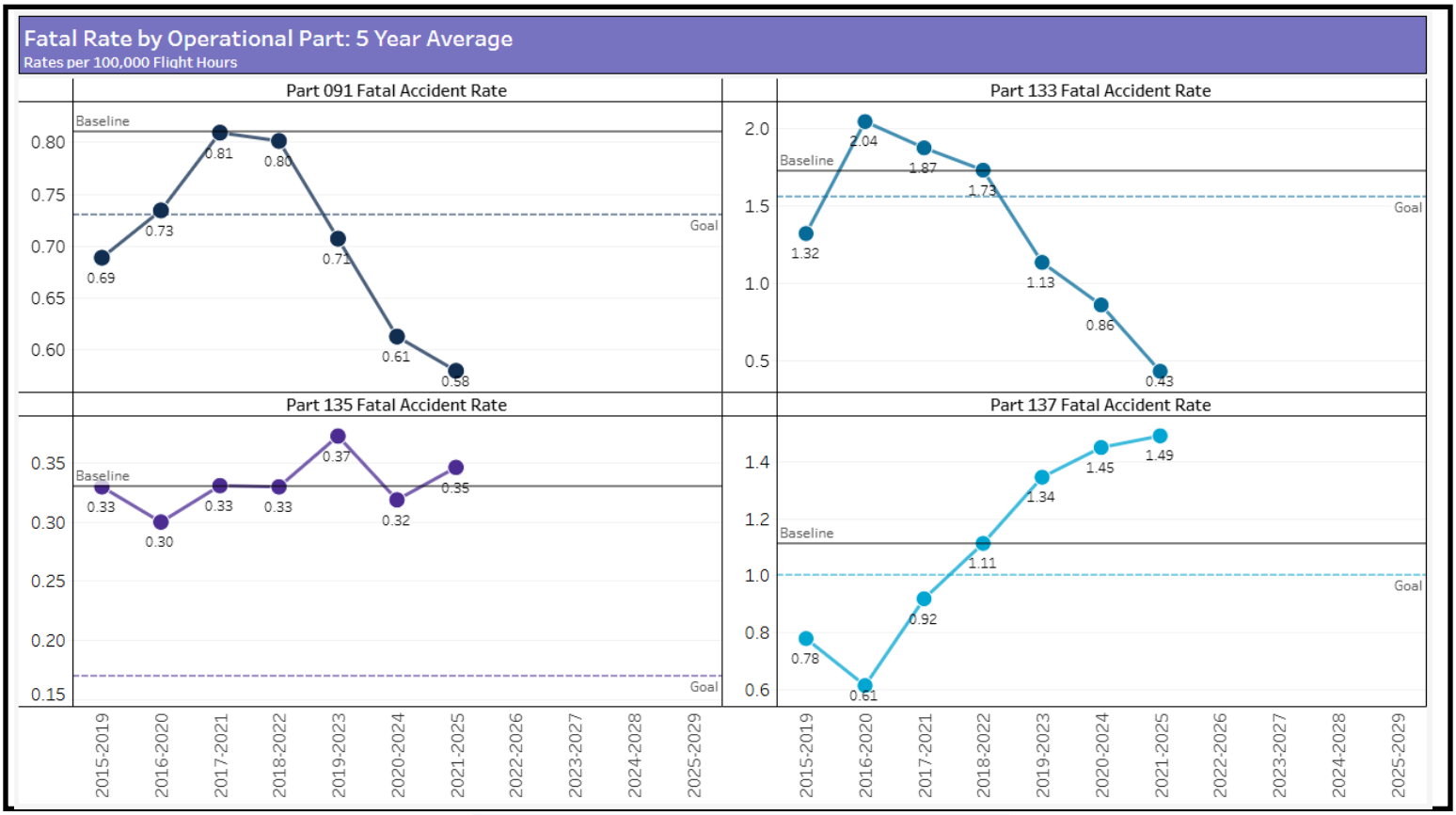
Monthly Safety Report — February 2025

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

USHST MISSION: To develop, deliver, and promote valuable safety resources focused on improving the US helicopter community's safety culture and performance.

USHST Vision: A civil registered helicopter community without fatal accidents





Fatal Accident Counter

50 : 22 : 34 : 56

Days : Hours : Mins : Secs

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

(3240 Members, 13 New)

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

Helicopter Safety OUTREACH events:

- The Rotorcraft Collective: Feeling the Pressure to Fly
- FAAST Blast - 6-12 Jan, 2025
- FAA Rotorcraft Accident Dashboard
- The Resilience Hub

Safety Enhancement Quick List PDF

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

VERTICON FORMERLY HAI HELI-EXPO Dallas 2025 | POWERED BY VAI

VAI webinars

Past WEBINAR: Pay It Forward - Afghan Pilots in the USA

VAST VERTICAL AVIATION SAFETY TEAM

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