Monthly Safety Report  May 2022

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

**USHST GOAL:** Reduce the 5 year average fatal US helicopter accident rate to 0.55 fatal accidents per 100K hrs by 2025

**USHST Vision:** A Civil Helicopter Community with Zero Fatal Accidents

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### Metric

<table>
<thead>
<tr>
<th></th>
<th>2018 - 2022</th>
<th>2017 - 2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avg Fatal Acc Rate</td>
<td>0.79</td>
<td>0.75</td>
</tr>
<tr>
<td>Avg Accident Rate</td>
<td>4.01</td>
<td>3.96</td>
</tr>
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### Year To Date

<table>
<thead>
<tr>
<th></th>
<th>Current Year (CY22)</th>
<th>Previous Year (CY21)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatal Accidents</td>
<td>8</td>
<td>6</td>
</tr>
<tr>
<td>Accidents</td>
<td>37</td>
<td>33</td>
</tr>
<tr>
<td>Fatalities</td>
<td>15</td>
<td>13</td>
</tr>
</tbody>
</table>

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**Average number of days between fatal accidents:**

- 2018: 14 days
- 2019: 16 days
- 2020: 18 days
- 2021: 17 days
- 2022: 14 days

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

107 days (2020)

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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.

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**Fatal Accident Counter**

7 : 01 : 11 : **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 zero 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

USHST Facebook (2.4 K Members)     USHST LinkedIn     USHST Twitter

Helicopter Safety OUTREACH events:
- USHST All Hands Webinar - 1-3pm EDT, 25 May 2022 Register Here!
  Previous All Hands - Meet the VAST Team (February 2022)
- HAI Upcoming Events

Loss of Control - Inflight (LOC-I), Unintended Flight into IMC (UIMC), Low Altitude Operations (LALT).
USHST continues to work on the implementation of 16 Helicopter - Safety Enhancements (H-SE) developed through data-driven analysis of 104 fatal accidents. The H-SE’s use Outreach, Policy, Technology/Equipment, and Training to reduce fatal accidents in these categories.

H-SE 22a: Detection and Management of Risk Level Changes During Flight
The flight environment is often dynamic, and not every contingency can be anticipated or scripted in advance. The pilot in command (PIC) is ultimately responsible for the safety of a flight; however, non-flying crewmembers have a pivotal responsibility in working with the PIC to ensure safety. When unexpected changes are encountered, it is paramount that the PIC and the non-flying crewmembers quickly detect the elevation of risk, communicate it to each other, and collectively decide on a reasonable resolution or mitigation. This H-SE will work to promote recommended practices for effectiveness at each stage in the process (detection, communication, and decision).

- Recommended Practice: Detection and Management of Risk Level Changes
- Recommended Practice: U.S. Army Aircrew Coordination Training
- Using Crew Resource Management on All Helicopter Flights
- Crew Resource Management Briefing Card

USHST PRIORITY Safety Resources:       Videos       Safety Apps       USHST Report on Safety Enhancements

US Helicopter Safety Team Press Release (December 2021):
“56 Seconds to Live” Safety Course Wins AIN 2021 Top Flight Award