Accident Rate Update
Fatal Accident Rate & Fatality Rate History

January 2016
Accident Rate Calculation Explained

- **Source of flight hours for rate calculations**
  - FAA’s General Aviation and Part 135 Activity Survey (FAA GA Survey) used for:
  - FAA’s FY 2015-2035 Aerospace Forecast (FAA Forecast) used for:
    - 2011 and 2015.

- **Changes in accident rate (per 100,000 flight hours)**
  - 2012 rate
    - December 2015: Changed from 4.46 to 4.49. Addition of 1 accident.
  - 2013 rate
    - December 2014: Changed from 4.20 to 4.95 based on latest FAA GA Survey.
  - 2014 rate:
    - March 2015: Changed from 3.64 to 4.12 based on latest FAA Forecast.
    - July 2015: Changed from 4.09 to 4.12 with addition of 1 accident.
  - 2015 rate:
    - December 2015: Preliminary annual rate published as 3.67.
    - Awaiting more accurate flight hours from latest FAA Forecast (March 2016), finalized 2015 hours from FAA GA Survey (December 2016) and finalized accident count (throughout 2016).
U.S. Helicopter Accident Rates


*2015 flight hours from FAA’s Aerospace Forecast. FAA GA Survey with more accurate flight hours expected in December 2016.

54% Reduction from Baseline through December 2015

80% Reduction from Baseline = 1.59

Baseline = 7.97

Rate per 100,000 Flight Hours

Calendar Year

01-05 06 07 08 09 10 11* 12 13 14 15*

4.47 5.27 4.44 5.06 3.94 3.87 4.49 4.95 4.26 3.67

United States Helicopter Safety Team
Our Vision: A Civil Helicopter Community With Zero Accidents
Fatal Accident Rate Calculation Explained

• Source of flight hours for rate calculations
  – FAA’s General Aviation and Part 135 Activity Survey (FAA GA Survey) used for:
    • 2001-05 baseline, 2006-10, and 2012-14.
  – FAA’s FY 2015-2035 Aerospace Forecast (FAA Forecast) used for:
    • 2011 and 2015.

• Changes in Fatal Accident rate
  – 2013 rate:
    • December 2014: Changed from 0.86 to 1.02 based on latest FAA GA Survey.
  – 2014 rate:
    • March 2015: Changed from 0.59 to 0.67 based on latest FAA Forecast.
    • December 2015: Changed from 0.67 to 0.65 based on latest FAA GA Survey.
  – 2015 rate:
    • December 2015: Preliminary annual rate published as 0.51.
    • Awaiting more accurate flight hours from latest FAA Forecast (March 2016) and finalized 2015 hours from FAA GA Survey (December 2016).
U.S. Helicopter Fatal Accident Rates


*2015 flight hours from FAA’s Aerospace Forecast. FAA GA Survey with more accurate flight hours expected in December 2016.
Fatality Rate Calculation Explained

• Source of flight hours for rate calculations
  – FAA’s General Aviation and Part 135 Activity Survey (FAA GA Survey) used for:
    • 2001-05 baseline, 2006-10, and 2012-14.
  – FAA’s FY 2015-2035 Aerospace Forecast (FAA Forecast) used for:
    • 2011 and 2015.

• Changes in Fatality rate
  – 2013 rate:
    • December 2014: Changed from 1.79 to 2.10 based on latest FAA GA Survey.
  – 2014 rate:
    • March 2015: Changed from 1.04 to 1.17 based on latest FAA Forecast.
    • December 2015: Changed from 1.17 to 1.14 based on latest FAA GA Survey.
  – 2015 rate:
    • December 2015: Preliminary annual rate published as 0.84.
    • Awaiting more accurate flight hours from latest FAA Forecast (March 2016) and finalized 2015 hours from FAA GA Survey (December 2016).
U.S. Helicopter Fatality Rates


*2015 flight hours from FAA’s Aerospace Forecast. FAA GA Survey with more accurate flight hours expected in December 2016.
U.S. Helicopter Fatal Accident & Fatality Rates


*2015 flight hours from FAA’s Aerospace Forecast. FAA GA Survey with more accurate flight hours expected in December 2016.