



Rotorcraft Accident Dashboard

Data Refresh Schedule: Every Tuesday at 1:00 AM ET

Dashboard Navigation

Historical Briefing

Make Model Breakdown

Fiscal Year Briefing

Report Month
Jan 2024

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FY24: October-January

27 Total Accidents
 ▲4% vs. Same Period, Previous FY
 ▼5% vs. Same Period, 5 Year Average

6 Fatal Accidents
 ▲50% vs. Same Period, Previous FY
 ▼6% vs. Same Period, 5 Year Average

10 Fatalities
 ▲25% vs. Same Period, Previous FY
 ▼29% vs. Same Period, 5 Year Average

3.10 Accident Rate (per 100K hours)
 ▼1% vs. Same Period, Previous FY
 ▼10% vs. Same Period, 5 Year Average

0.69 Fatal Accident Rate (per 100K hours)
 ▲44% vs. Same Period, Previous FY
 ▼10% vs. Same Period, 5 Year Average

1.15 Fatality Rate (per 100K hours)
 ▲20% vs. Same Period, Previous FY
 ▼31% vs. Same Period, 5 Year Average

*5 Year Average Rates are for reference, 5 year rates are not normally distributed.

U.S. Registered Rotorcraft Event Counts

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Grand Total
Total Accidents	7	10	5	5									27
Fatal Accidents	1	1	2	2									6
Fatalities	1	2	3	4									10

Same time period, previous FY:
Accidents: 26; Fatal Accidents: 4; Fatalities: 8.



Estimated Rates by Month (per 100,000 flight hours)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Grand Total
Accident Rate	2.72	4.54	2.59	2.48									3.10
Fatal Accident ..	0.39	0.45	1.04	0.99									0.69
Fatality Rate	0.39	0.91	1.56	1.99									1.15

Same time period, previous FY:
Accident Rate: 3.11; Fatal Accident Rate: 0.48; Fatality Rate: 0.96.



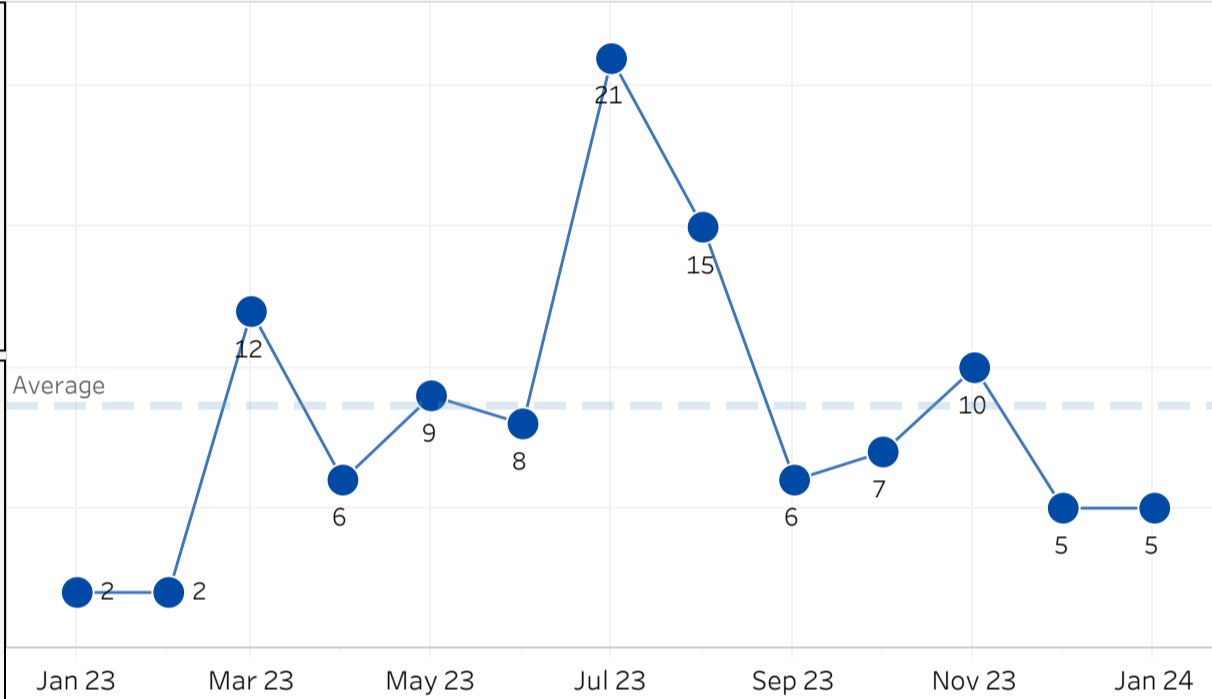
U.S. Registered Rotorcraft 13 Month Accident Count

vs. Same Month Previous Year:

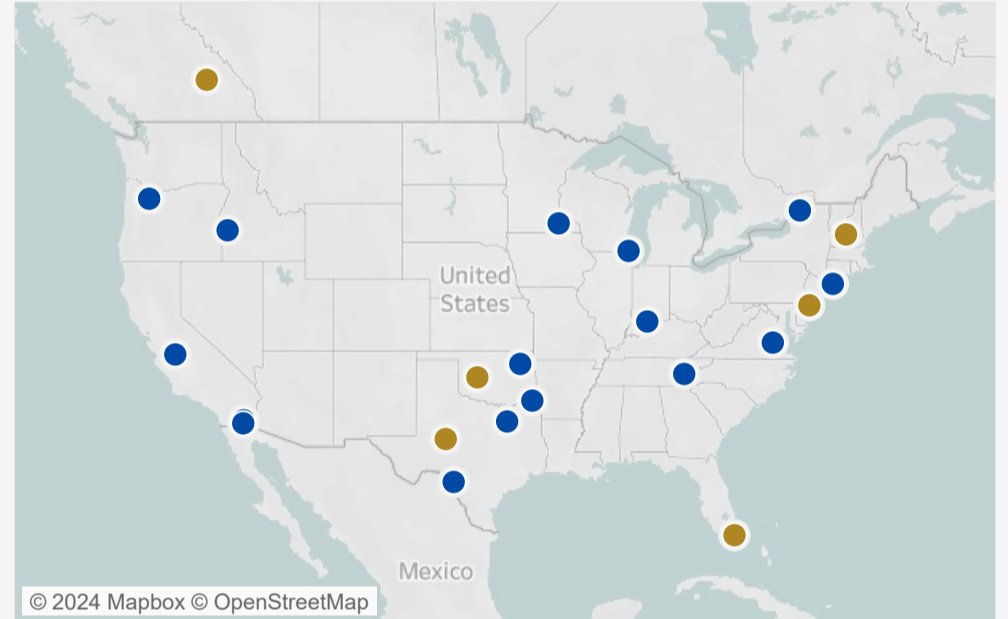
▲150%

vs. 12 Month Average:

▼42%



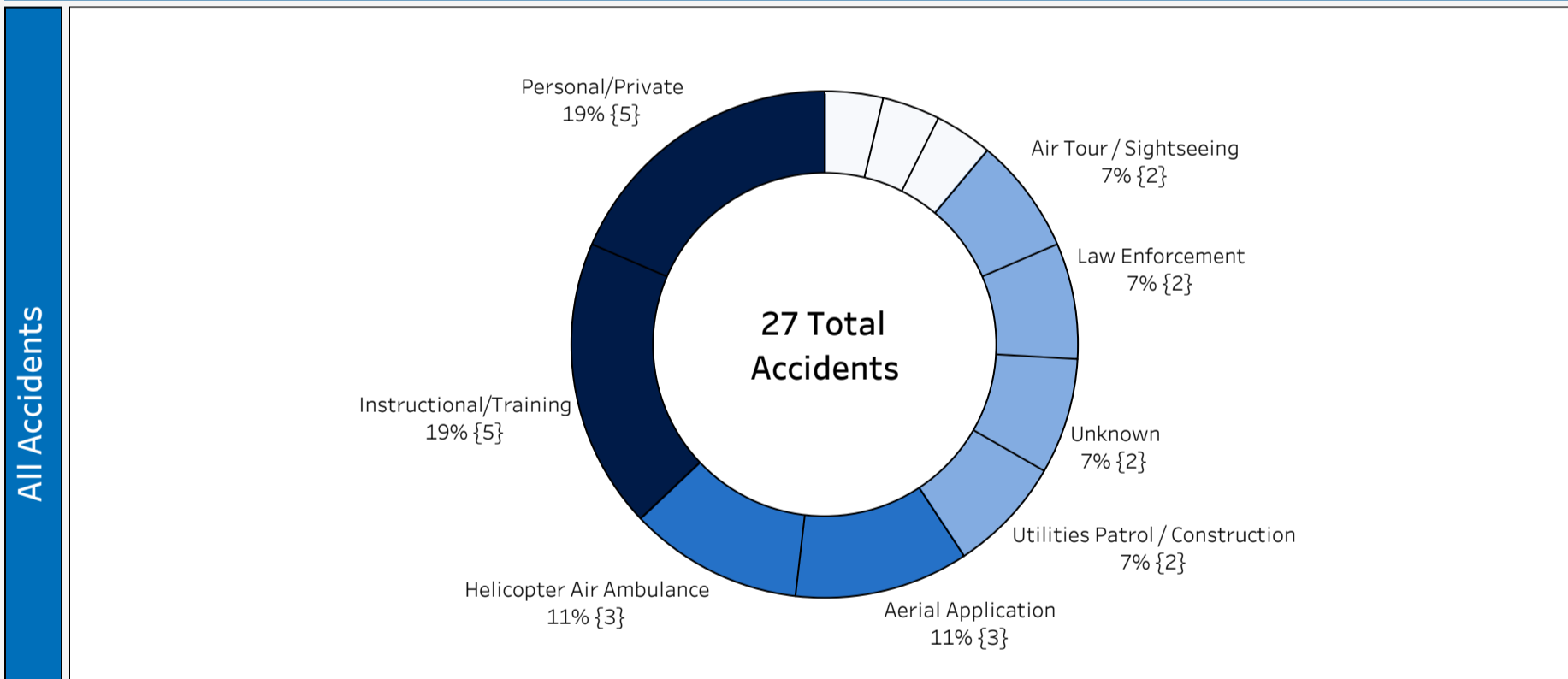
Accident Details



Map

Summary

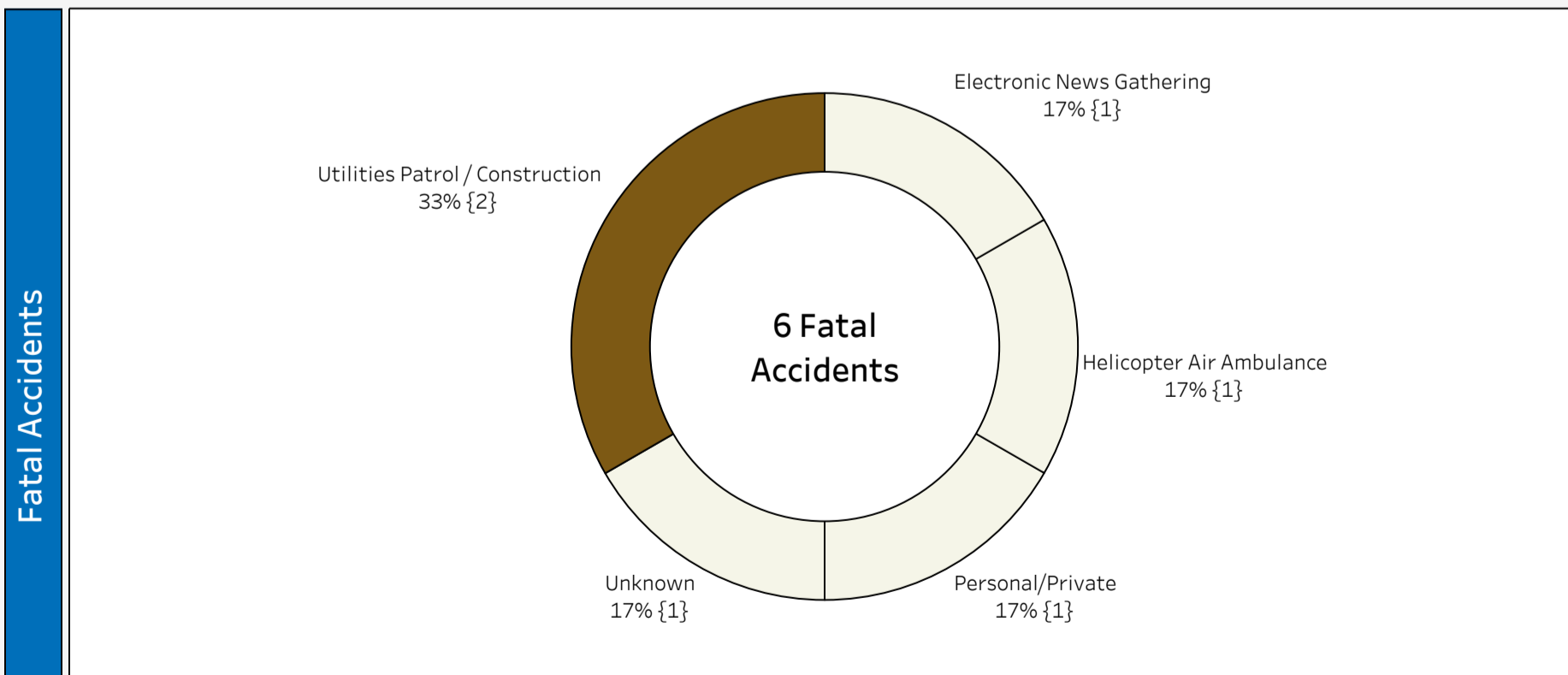
Accidents by Industry Sector



Commercial	4% {1}
Electronic News Gathering	4% {1}
External Load	4% {1}
Air Tour / Sightseeing	7% {2}
Law Enforcement	7% {2}
Unknown	7% {2}
Utilities Patrol / Construction	7% {2}
Aerial Application	11% {3}
Helicopter Air Ambulance	11% {3}
Instructional/Training	19% {5}
Personal/Private	19% {5}

FY to Date

This Month



Electronic News Gathering	17% {1}
Helicopter Air Ambulance	17% {1}
Personal/Private	17% {1}
Unknown	17% {1}
Utilities Patrol / Construc..	33% {2}

FY to Date

This Month

The following notes apply to the charts above:

Data is subject to change

*The accident numbers for each month of the Fiscal Year may vary from what was reported previously based on analysis between FAA and NTSB databases for the specified month.

*For rate calculations, FY 2022-23 rotorcraft flight hours were based on the FAA's FY2023-2043 forecast (released July 2023). Historic rotorcraft flight hours were extracted from General Aviation and Part 135 Activity Survey. The survey categorizes flight hours by calendar year.



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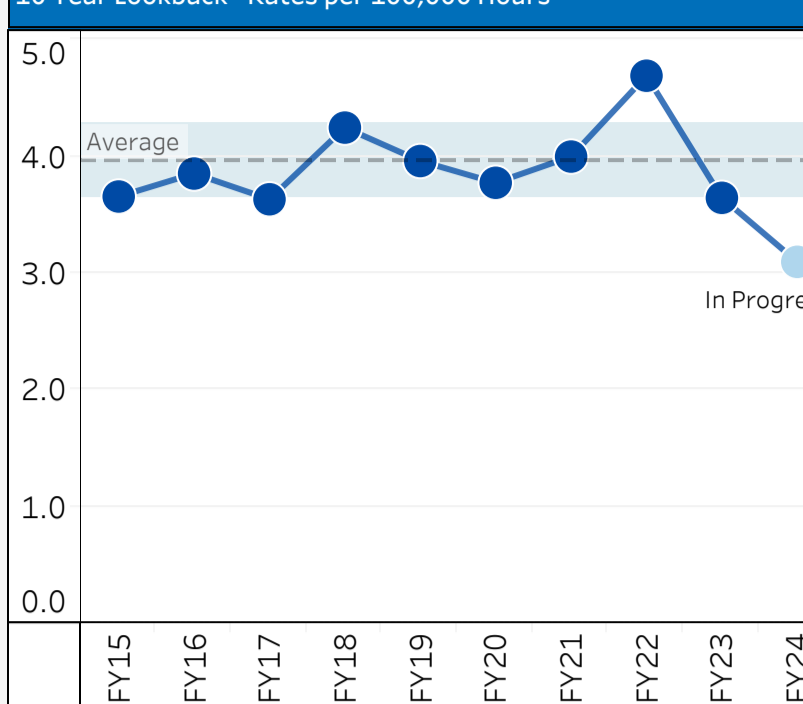
Report Month
Jan 2024

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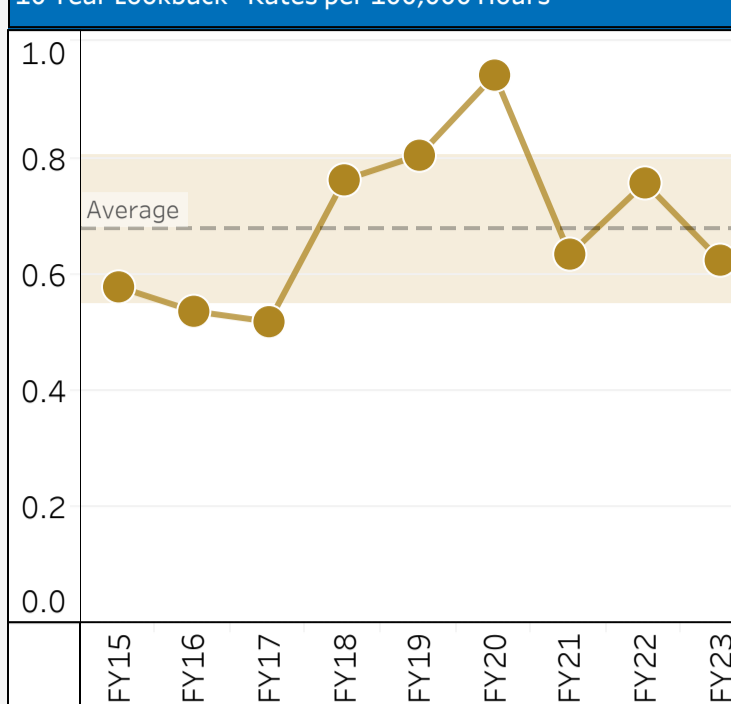
Estimated Rotorcraft Accident Rate by FY

10 Year Lookback - Rates per 100,000 Hours



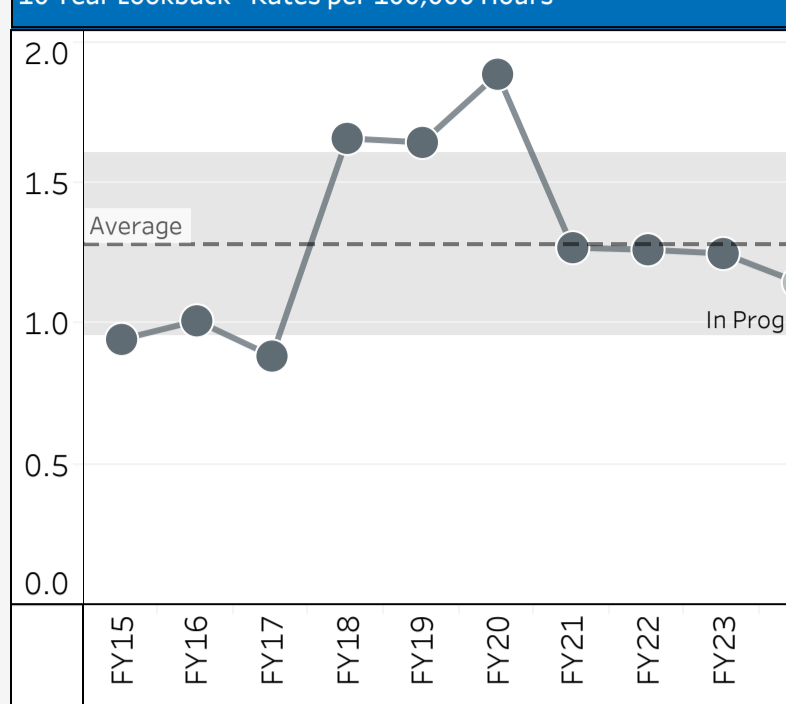
Estimated Rotorcraft Fatal Rate by FY

10 Year Lookback - Rates per 100,000 Hours



Estimated Rotorcraft Fatality Rate by FY

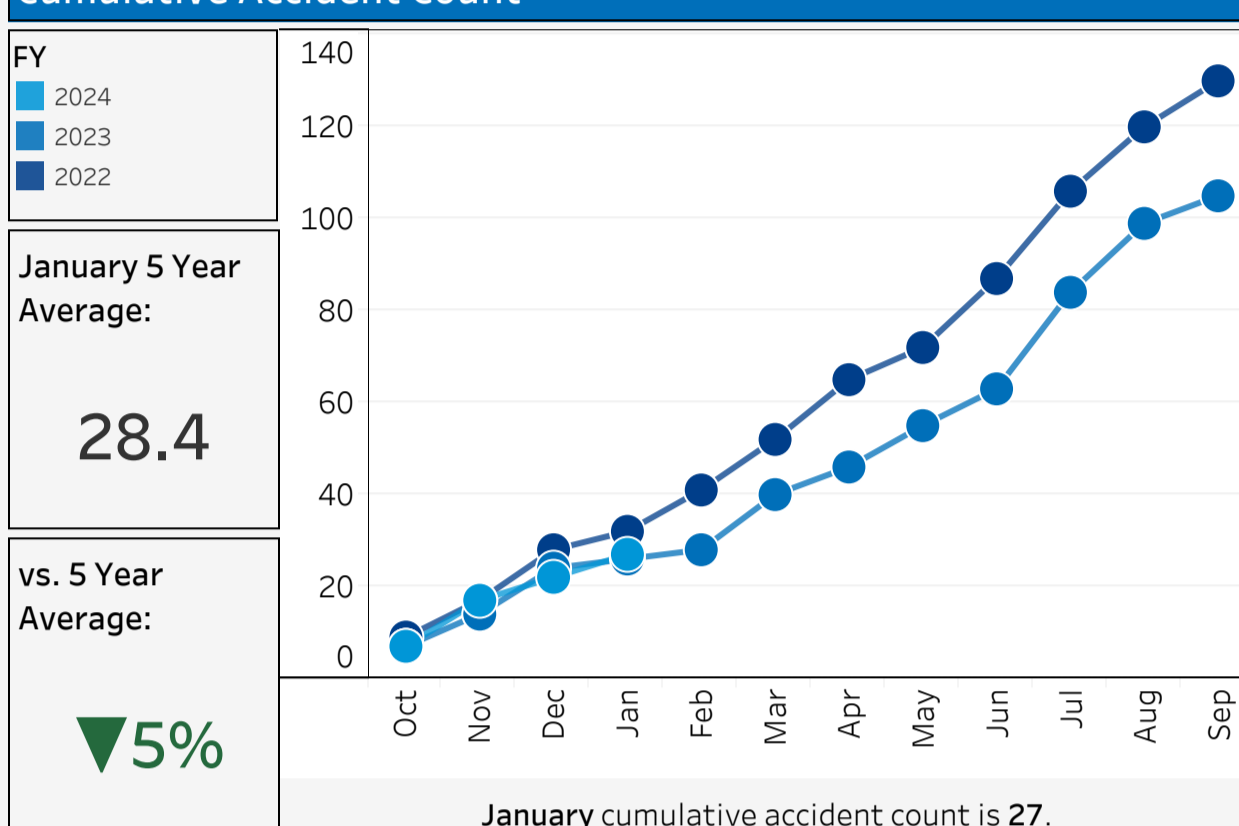
10 Year Lookback - Rates per 100,000 Hours



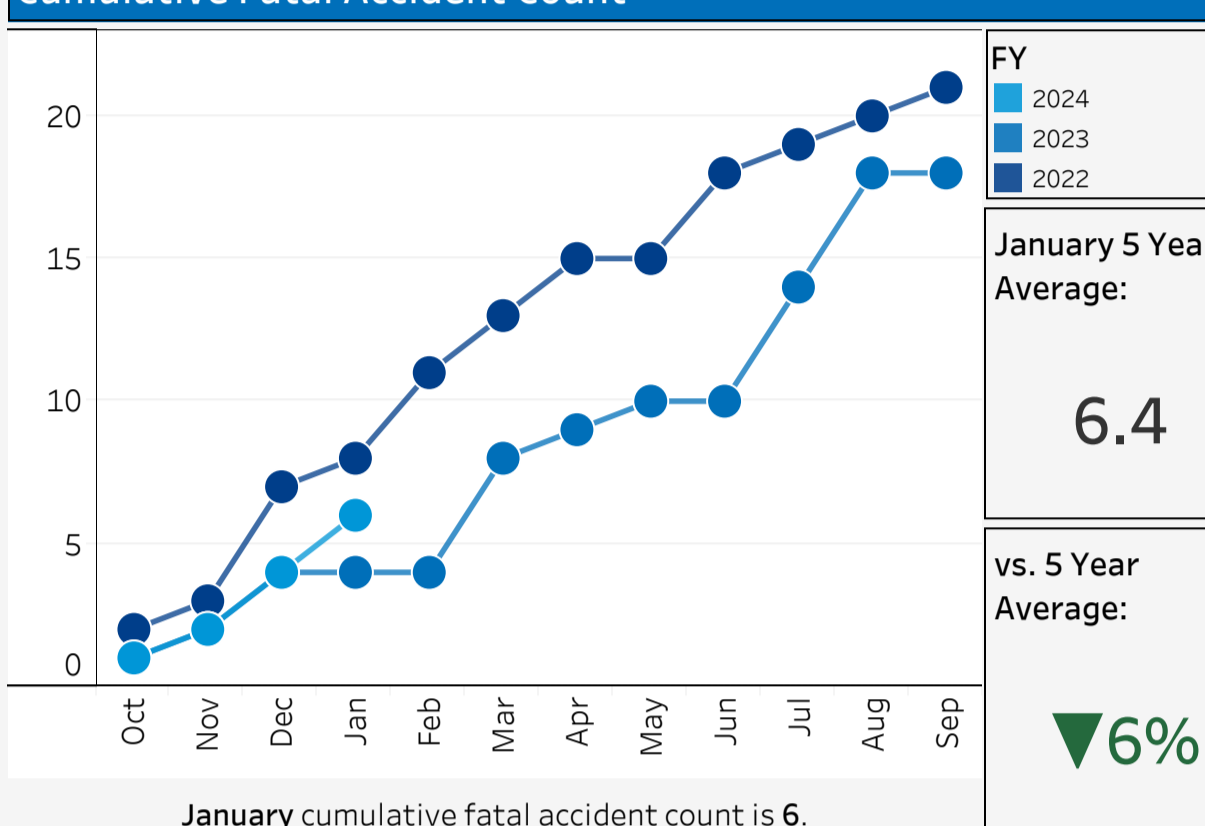
	FY15	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24
Accident Rate	3.66	3.85	3.63	4.25	3.96	3.77	4.00	4.69	3.64	3.10
Fatal Accident R..	0.58	0.54	0.52	0.76	0.81	0.94	0.64	0.76	0.62	0.69
Fatality Rate	0.94	1.01	0.89	1.66	1.64	1.89	1.27	1.26	1.25	1.15

*Average Rates and Standard Deviation Ranges are for reference, rates are not normally distributed.

Cumulative Accident Count



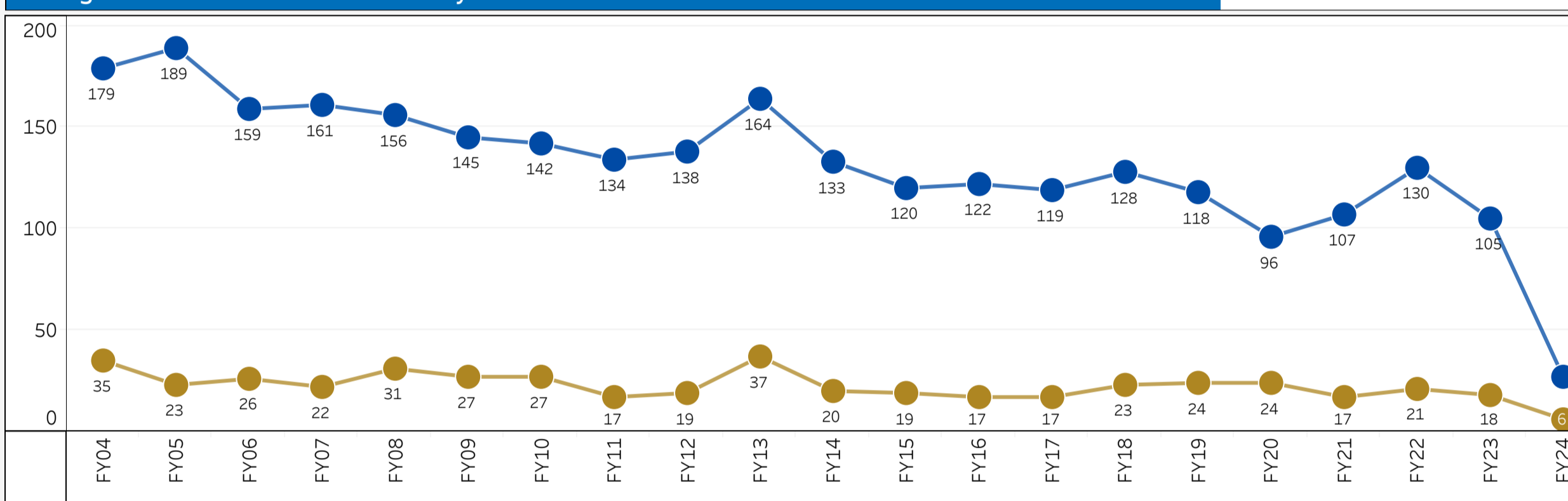
Cumulative Fatal Accident Count



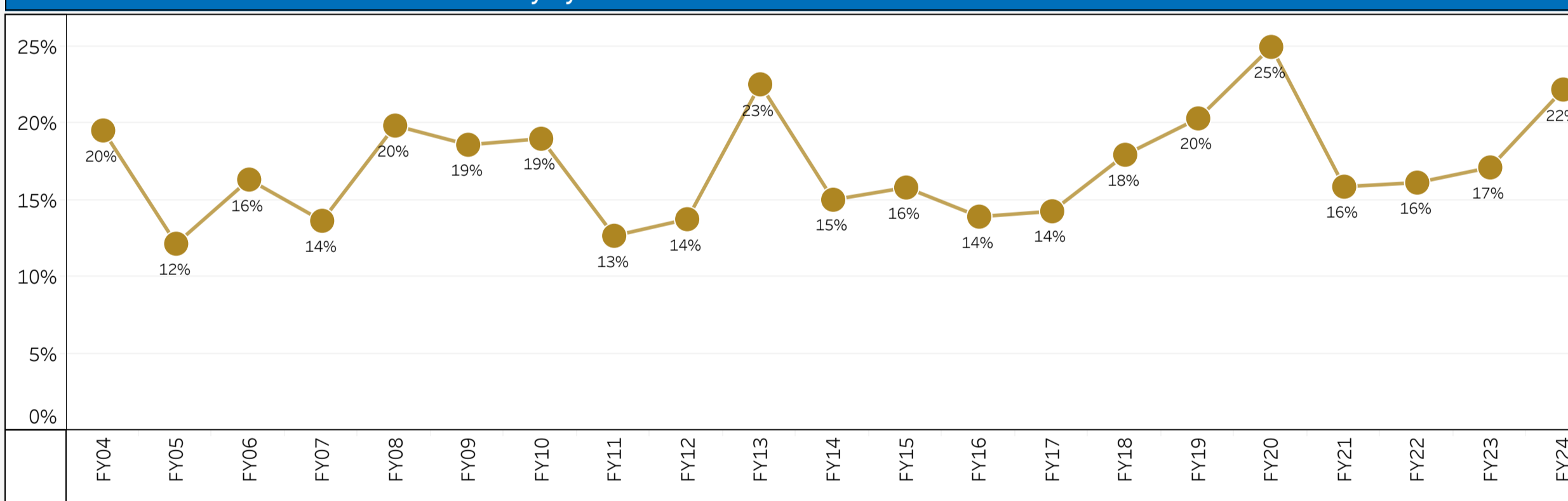
Select a FY Range to view for charts below

Past N Fiscal Years
20

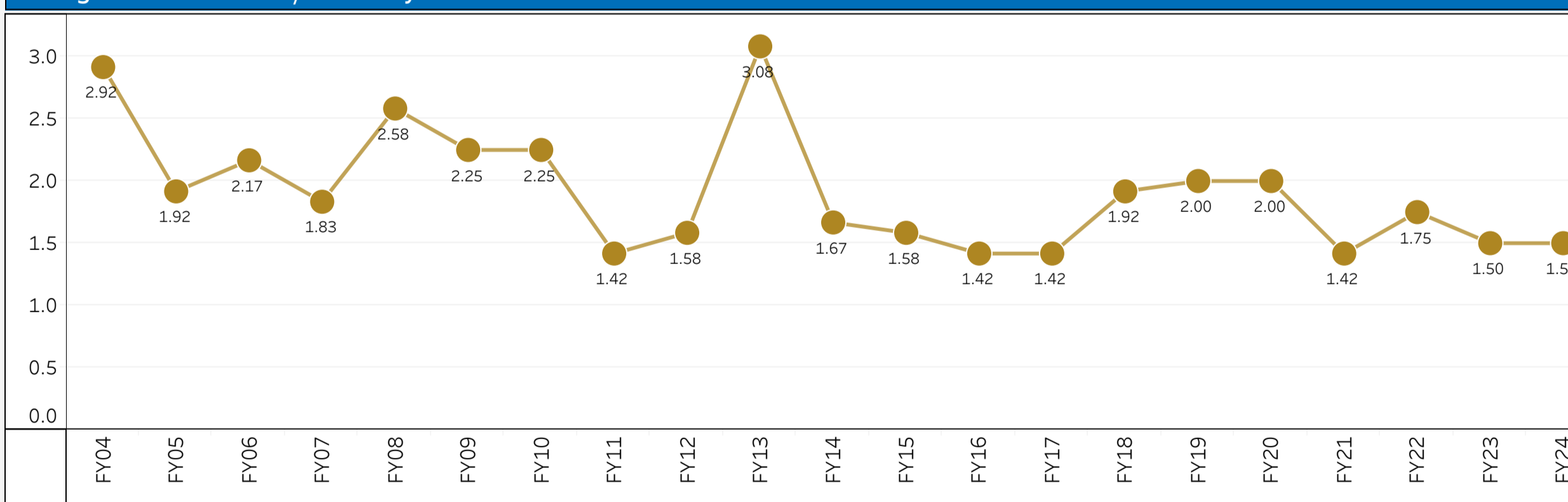
US Registered Rotorcraft Accidents by FY



Percent of Rotorcraft Accidents with Fatality by FY



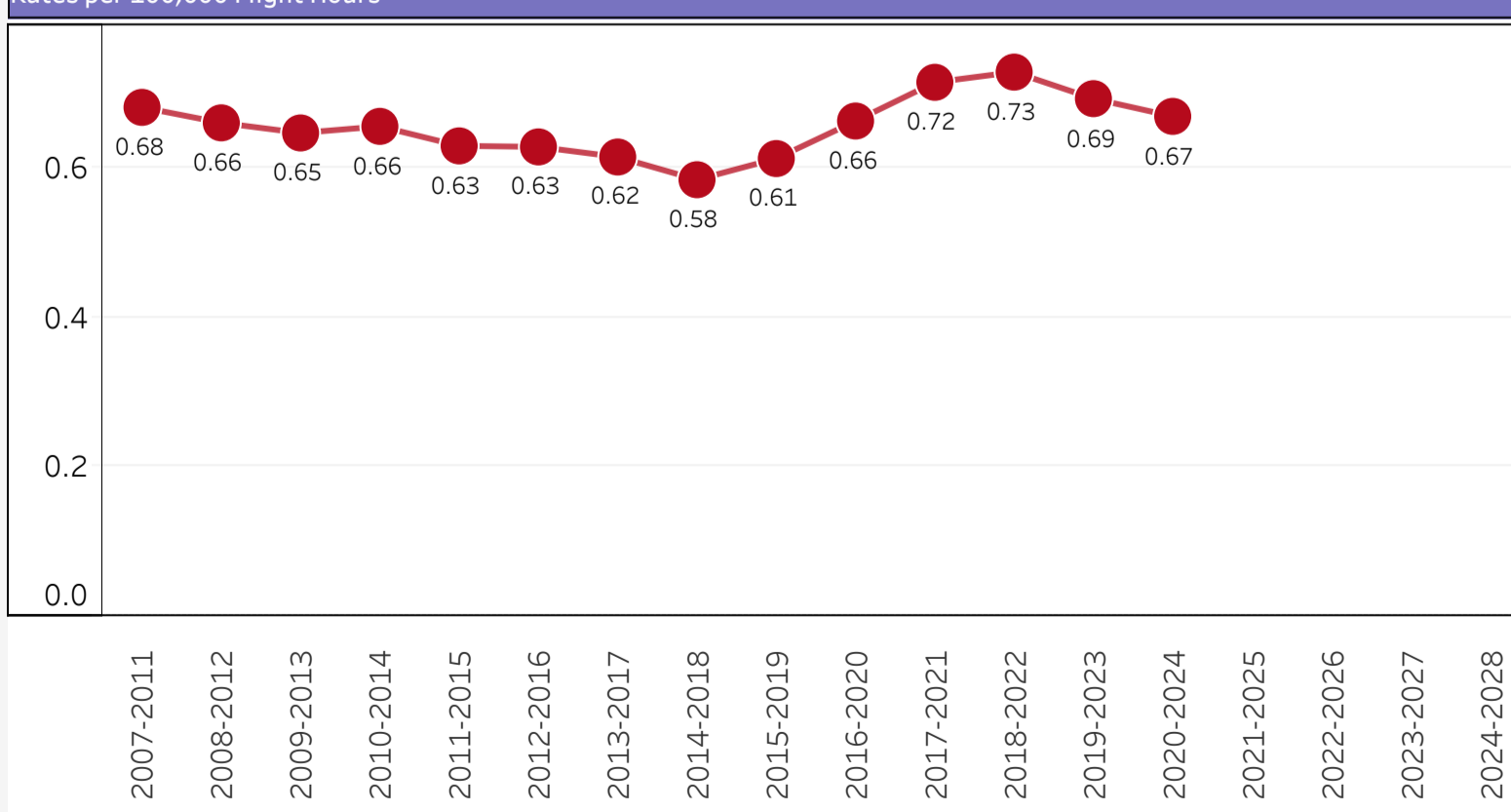
Average Fatal Accidents/Month by FY



U.S. Helicopter Safety Team (USHST) Calendar Year Metrics

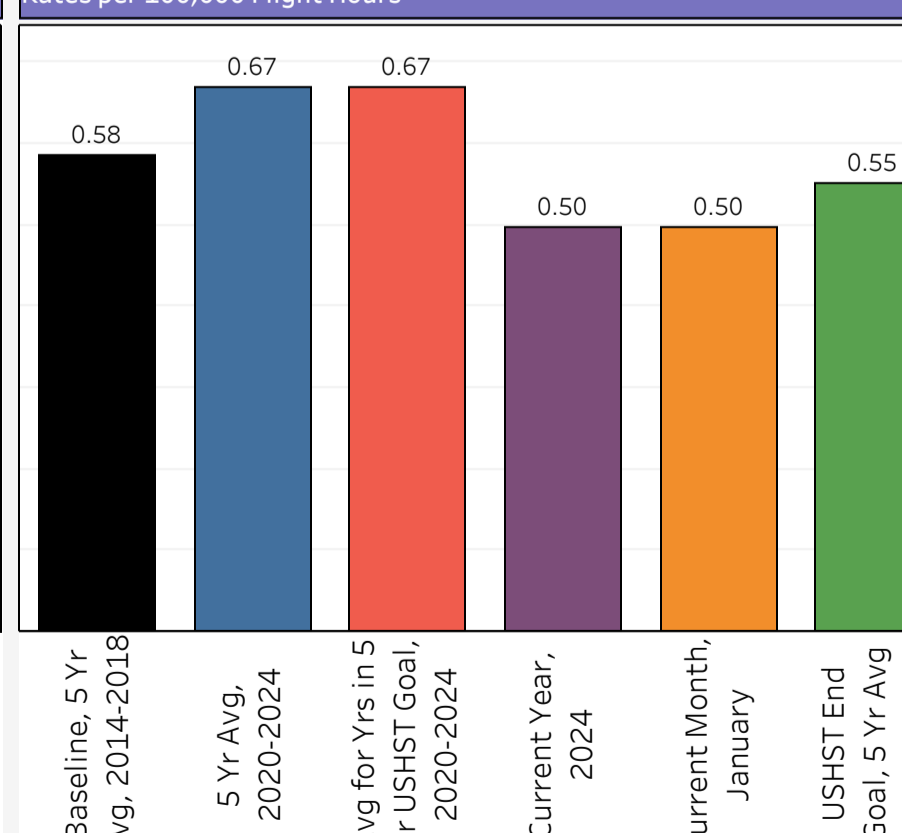
Fatal Rate: 5 Year Average

Rates per 100,000 Flight Hours



Key Fatal Rate Markers

Rates per 100,000 Flight Hours



USHST Current Goal: Reduce 5 Year Average Fatal Accident Rate to .55 per 100K Flight Hours.

The following notes apply to all the charts above:

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*For rate calculations, FY 2022-23 rotorcraft flight hours were based on the FAA's FY2023-2043 forecast (released July 2023). Historic rotorcraft flight hours were extracted from General Aviation and Part 135 Activity Survey. The survey categorizes flight hours by calendar year.



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Aircraft Make
Airbus Helicopters

U.S. Registered Rotorcraft Accidents FY24: October - January

Total Accidents

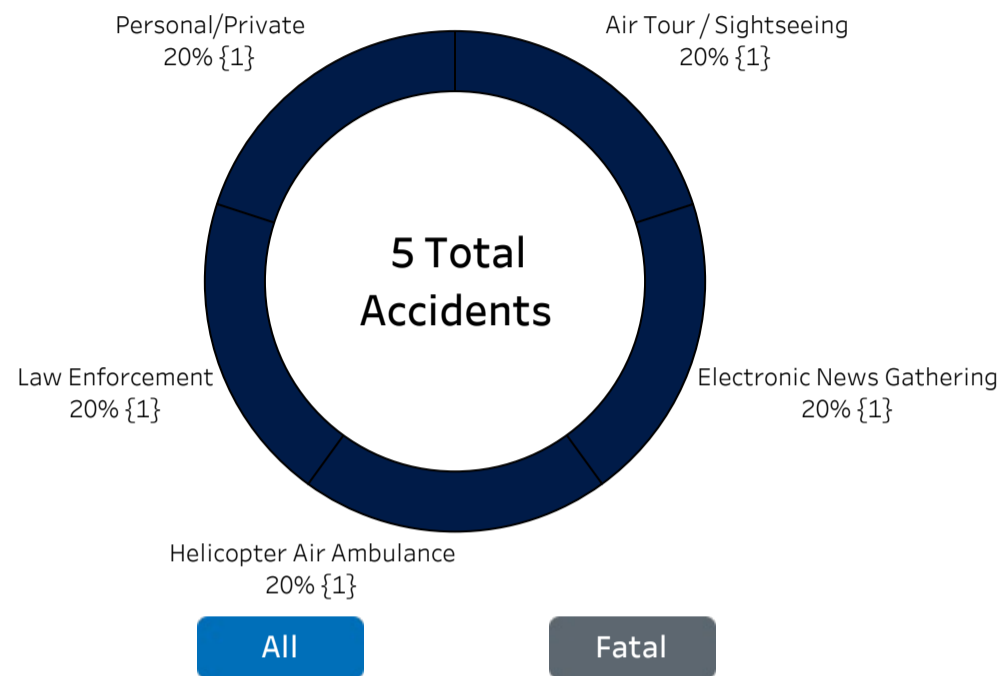
19% {5}

Fatal Accidents

17% {1}

Fatalities

20% {2}



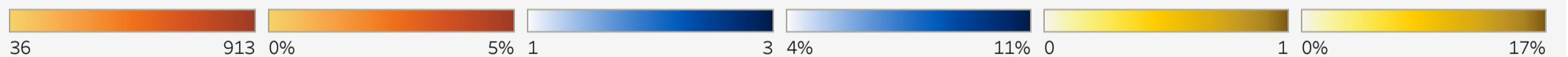
Fatal Accidents Brief Summary

NTSB: ERA24FA069	12/20/2023	- Airbus Helicopters AS350, N606HD, Part 091, Hammonton, NJ, 2 fatal - Electronic news gathering night flight. Had orbited a scene for 10 minutes to collect video footage and was cleared to return to base at Northeast Philadelphia Airport. - ADS-B data shows that over the span of 2.5 minutes the a/c descended from 775 feet MSL to 250 feet MSL with groundspeed accelerati..
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U.S. Registered Rotorcraft Accidents by Make and Model

Only models with an accident are listed

		U.S. Fleet Size (Registered and Active)	Percentage of Total U.S. Fleet (Registered and Active)	Number of U.S. Registered Accidents	Percentage of Total U.S. Registered Accidents	Number of U.S. Registered Fatal Accidents	Percentage of Total U.S. Registered Fatal Accidents
Airbus Helicopters	AS350	913	5%	3	11%	1	17%
	EC135	355	2%	1	4%	0	0%
	SA341G	36	0%	1	4%	0	0%



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*Fleet size counts may vary from what was previously reported based on analysis of the FAA registry.

*Any listed Percentage of Total U.S. Fleet (Registered and Active) of "0%" is greater than zero, but rounded to the nearest whole percent.



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Aircraft Make
Bell

U.S. Registered Rotorcraft Accidents FY24: October - January

Total Accidents

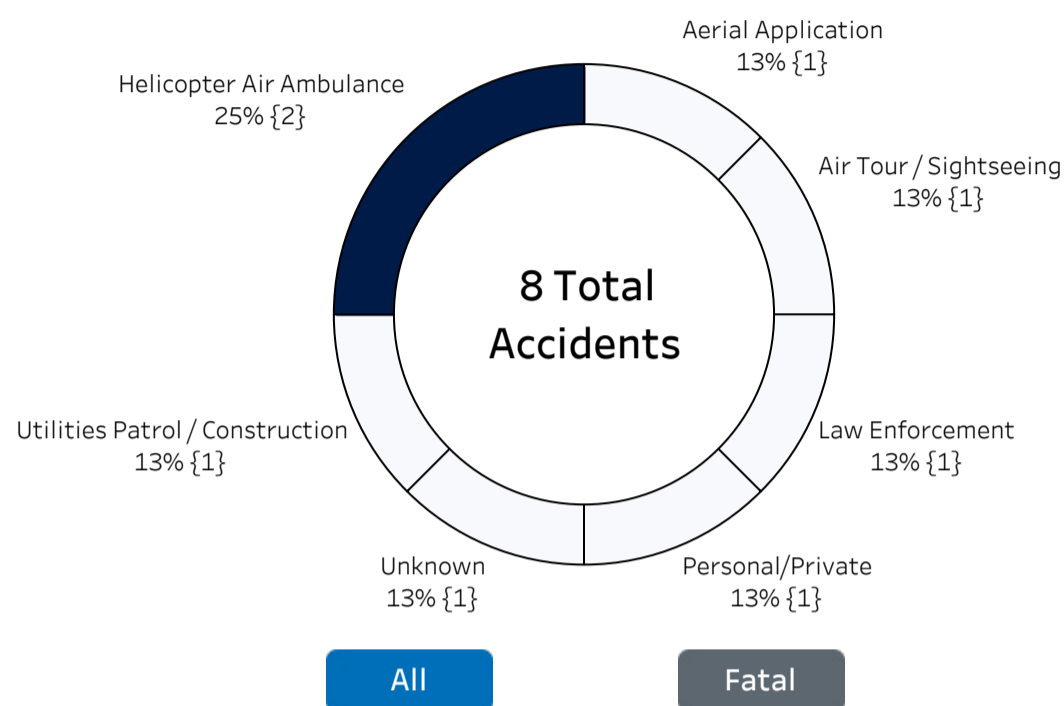
30% {8}

Fatal Accidents

50% {3}

Fatalities

50% {5}



Fatal Accidents Brief Summary

Pending	1/21/2024	- Bell 206Ls, N295AE, Part 135, Weatherford, OK, 3 fatal - Helicopter Air Ambulance; night positioning flight following patient drop off. - ADS-B data showed a/c at 500 to 600 feet AGL and 110 knots groundspeed at a point captured 210 feet east of the main wreckage. Geese carcasses in the debris field, including one embedded in the flight control servo.
Pending	1/5/2024	- Bell 206Bs, N617TT, Revelstoke, BC, 1 fatal - Flight was enroute from Calgary to Sicamous, British Columbia, Canada. Reported missing in the area of Glacier National Park. - Crashed under unknown circumstances 12 miles northeast of Revelstoke, British Columbia, Canada.
NTSB:	10/8/2023	- Bell 407, N802JR, Part 091, Croydon, NH, 1 fatal - Night positioning flight had terminated a utility patrol flight 2 days earlier due to weather and left helicopter in a private field.

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Bell	206Bs	829	5%	2	7%	1	17%
	206Ls	521	3%	4	15%	1	17%
	407	847	5%	2	7%	1	17%

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Aircraft Make
Robinson

U.S. Registered Rotorcraft Accidents FY24: October - January

Total Accidents

22% {6}



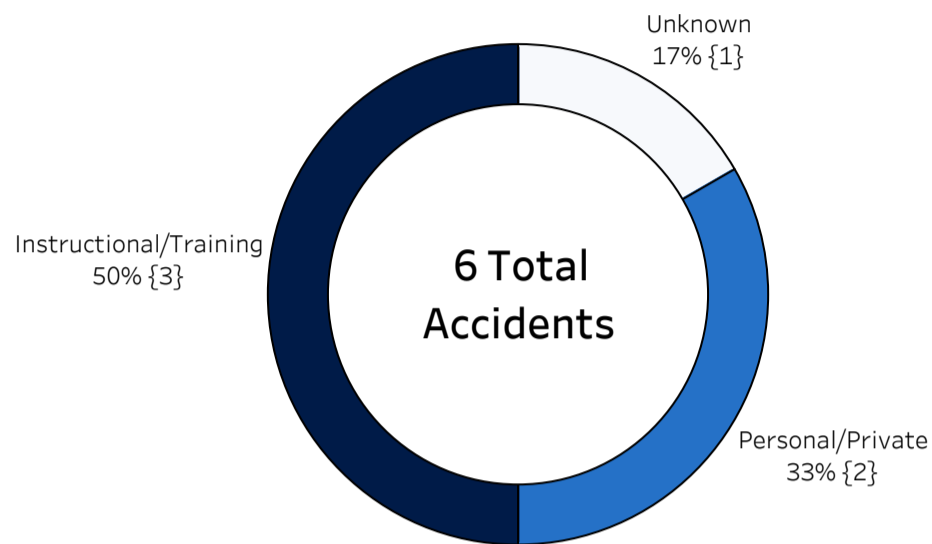
Fatal Accidents

0% {0}



Fatalities

0% {0}



All

Fatal

Fatal Accidents Brief Summary

U.S. Registered Rotorcraft Accidents by Make and Model

Only models with an accident are listed

		U.S. Fleet Size (Registered and Active)	Percentage of Total U.S. Fleet (Registered and Active)	Number of U.S. Registered Accidents	Percentage of Total U.S. Registered Accidents	Number of U.S. Registered Fatal Accidents	Percentage of Total U.S. Registered Fatal Accidents
Robinson	R22	764	4%	3	11%	0	0%
	R44	1,695	10%	3	11%	0	0%

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Aircraft Make
Multiple values

U.S. Registered Rotorcraft Accidents FY24: October - January

Total Accidents

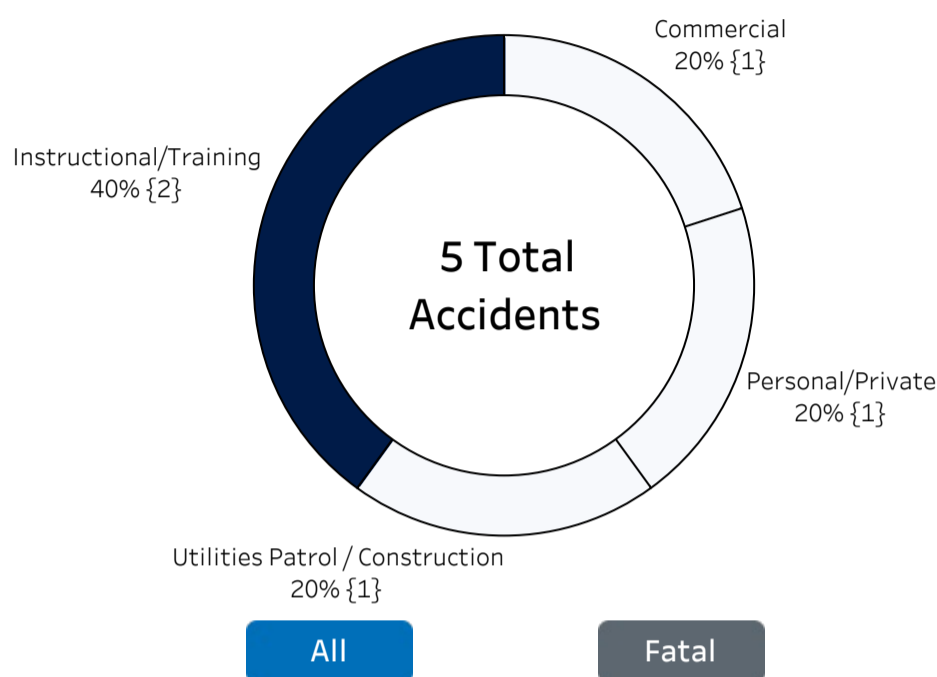
19% {5}

Fatal Accidents

33% {2}

Fatalities

30% {3}



Fatal Accidents Brief Summary

NTSB: ERA24FA075	12/27/2023	- MD Helicopters, Inc. 369, N757TB, Part 091, Miami, 07, 1 fatal - Crashed under unknown circumstances in a canal 3 miles west of Miami Executive Airport.
NTSB: CEN24FA049	11/29/2023	- MD Helicopters, Inc. 600N, N745MB, Part 133, Sterling City, TX, 2 fatal - Utility Power Line Work - ADS-B data showed the a/c maneuvering near the intended power pole prior to the crash. Impact marks on a static arm at the top of the power pole.

U.S. Registered Rotorcraft Accidents by Make and Model

Only models with an accident are listed

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Helicopteres Gu.. CABRI G2	49	0%	2	7%	0	0%	
MD Helicopters, Inc.	369 600N	585	3%	2	7%	1	17%
	25	0%	1	4%	1	17%	

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Aircraft Make
Restricted Category

U.S. Registered Rotorcraft Accidents FY24: October - January

Total Accidents

11% {3}



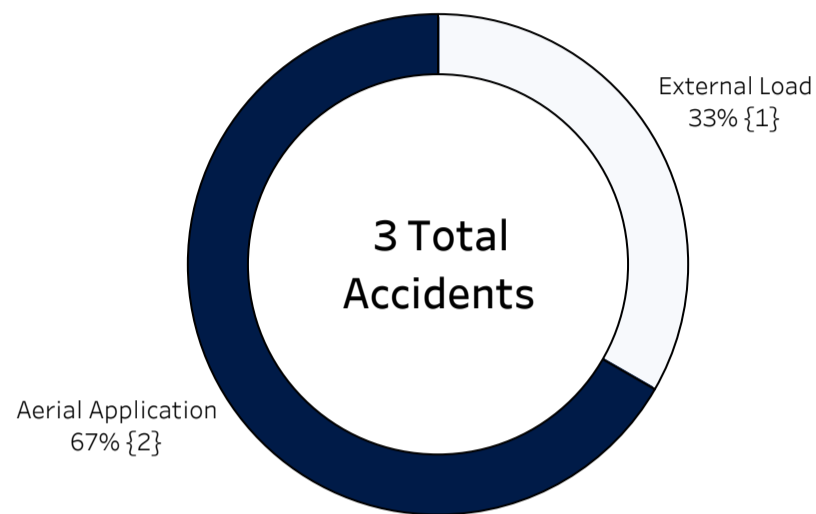
Fatal Accidents

0% {0}



Fatalities

0% {0}



All

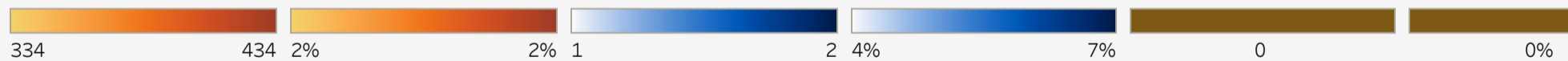
Fatal

Fatal Accidents Brief Summary

U.S. Registered Rotorcraft Accidents by Make and Model

Only models with an accident are listed

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Restricted Category	OH-58	334	2%	2	7%	0	0%
	UH-1	434	2%	1	4%	0	0%



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