



Federal Aviation
Administration

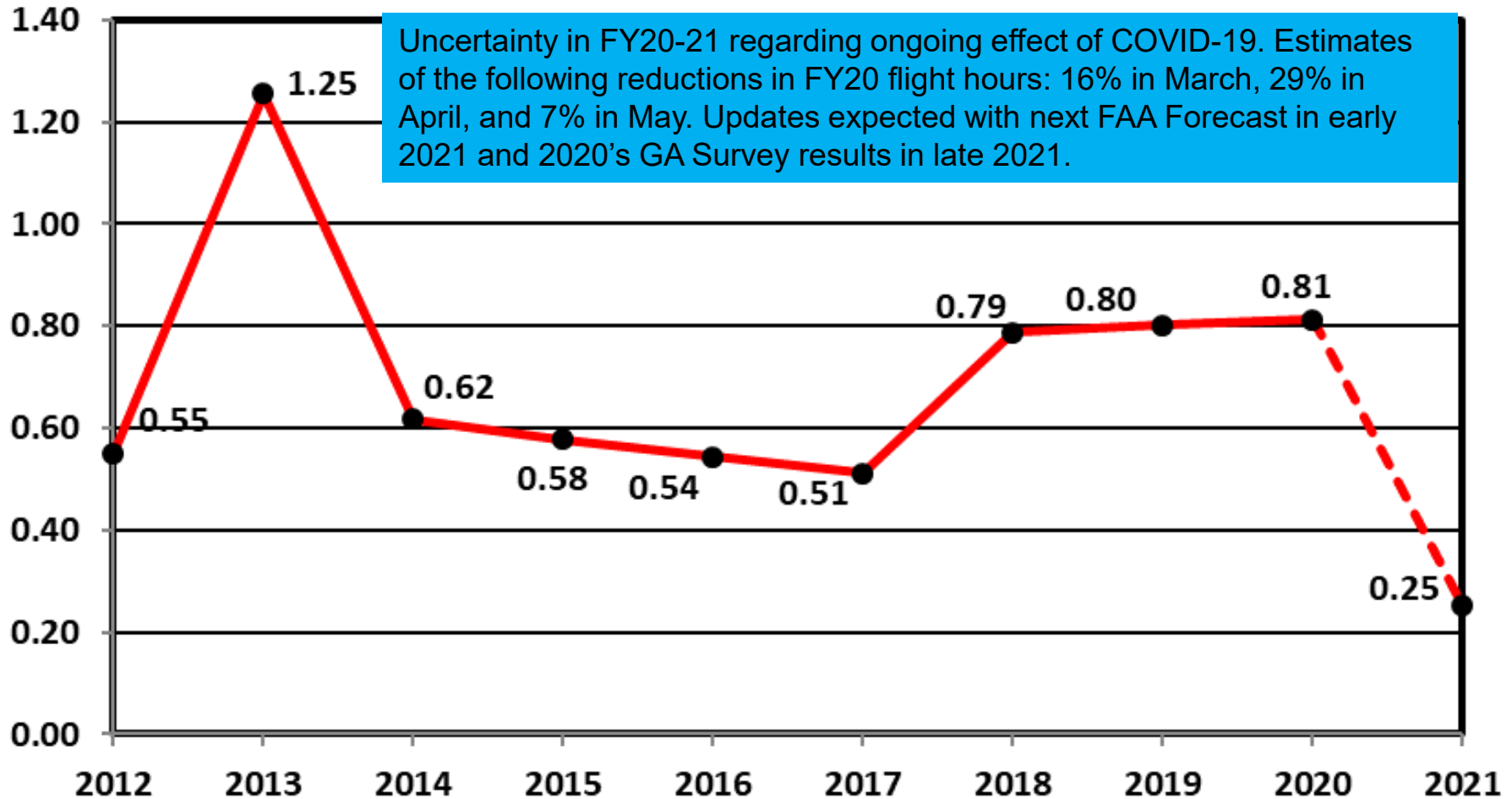
Strategic Policy Rotorcraft Section, AIR-616

Monthly Accident Briefing

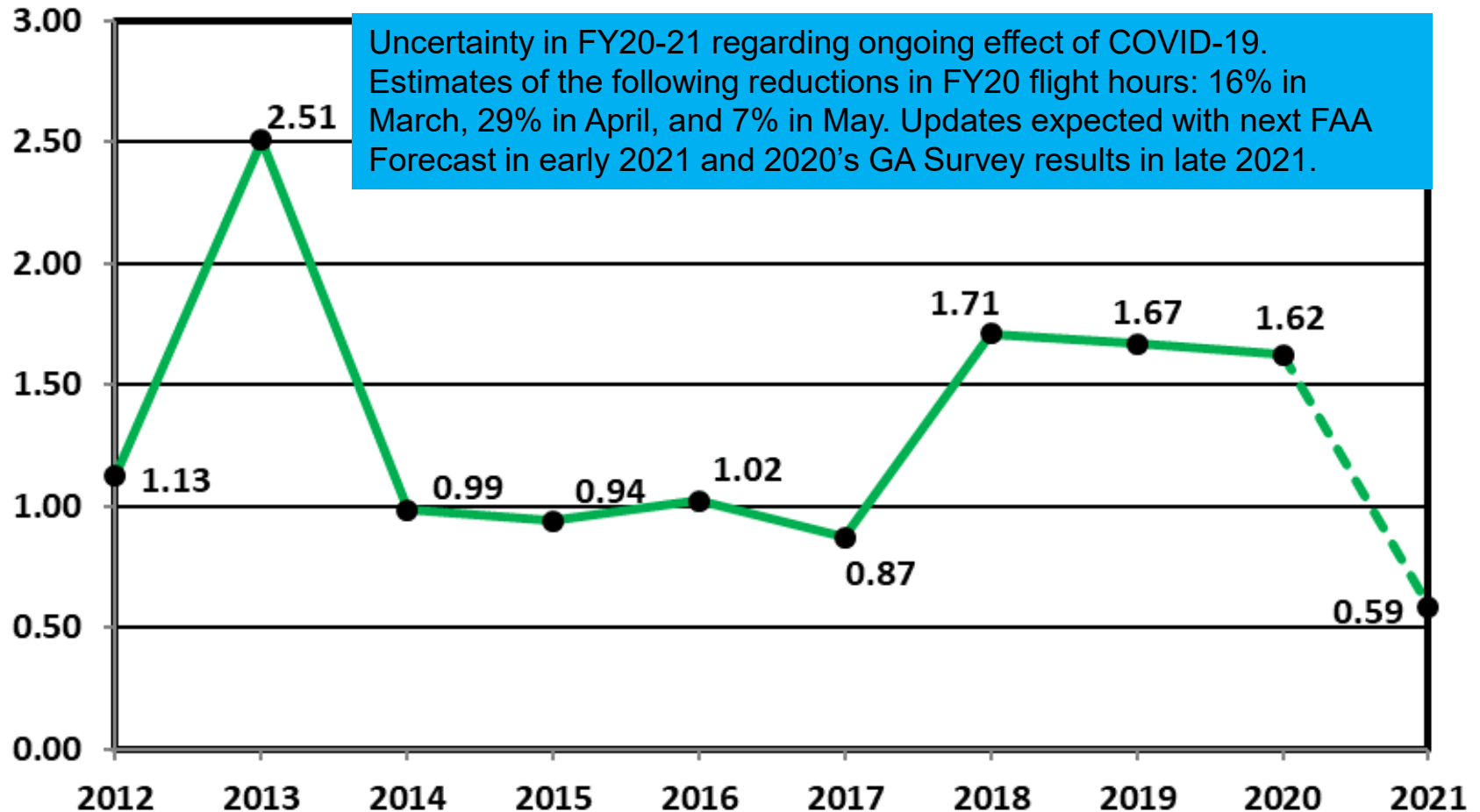
February 2021



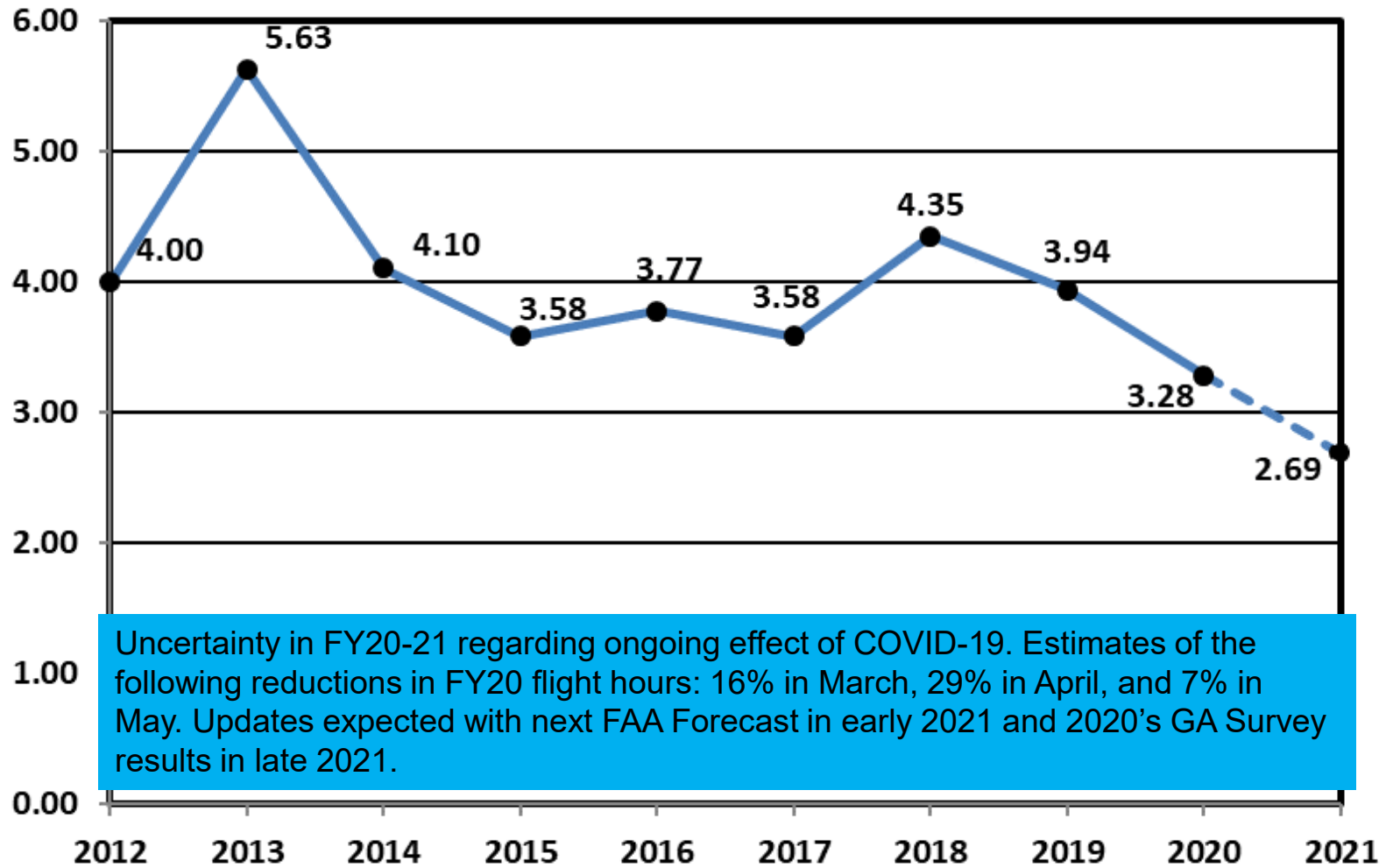
Estimated U.S. Rotorcraft FATAL Accident Rate by FY 10 Year Lookback – Rates per 100,000 Hours



Estimated U.S. Rotorcraft Fatality Rate by FY 10 Year Lookback – Rates per 100,000 Hours



Estimated U.S. Rotorcraft Accident Rate by FY 10 Year Lookback – Rates per 100,000 Hours



FY 21 – U.S. Registered Rotorcraft Event Counts

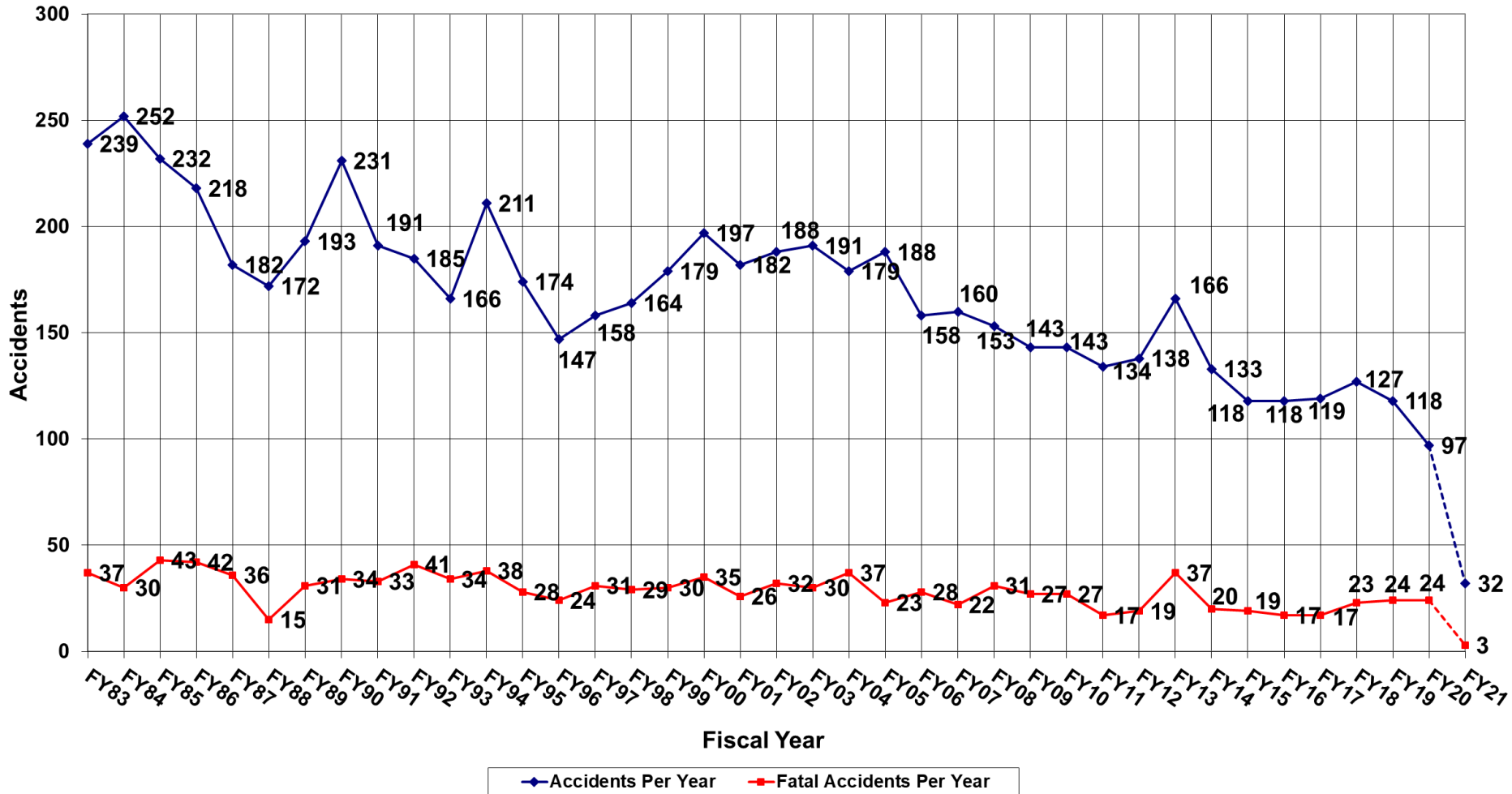
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	YTD
Accidents:	8	5	4	9	6								32
Fatal Acc:	0	0	2	0	1								3
Fatalities:	0	0	3	0	4								7
Same time period, previous FY: 35 Accidents, 9 Fatal Accidents, 27 Fatalities													

Data Source: FAA, NTSB Databases. Includes only events classified as accidents and does not include incidents. The accident numbers for each month of the Fiscal Year may vary from the previous monthly briefing based on analysis between FAA and NTSB databases for the specified month. The NTSB database may include accidents that were not reported to this office resulting in slightly different numbers.

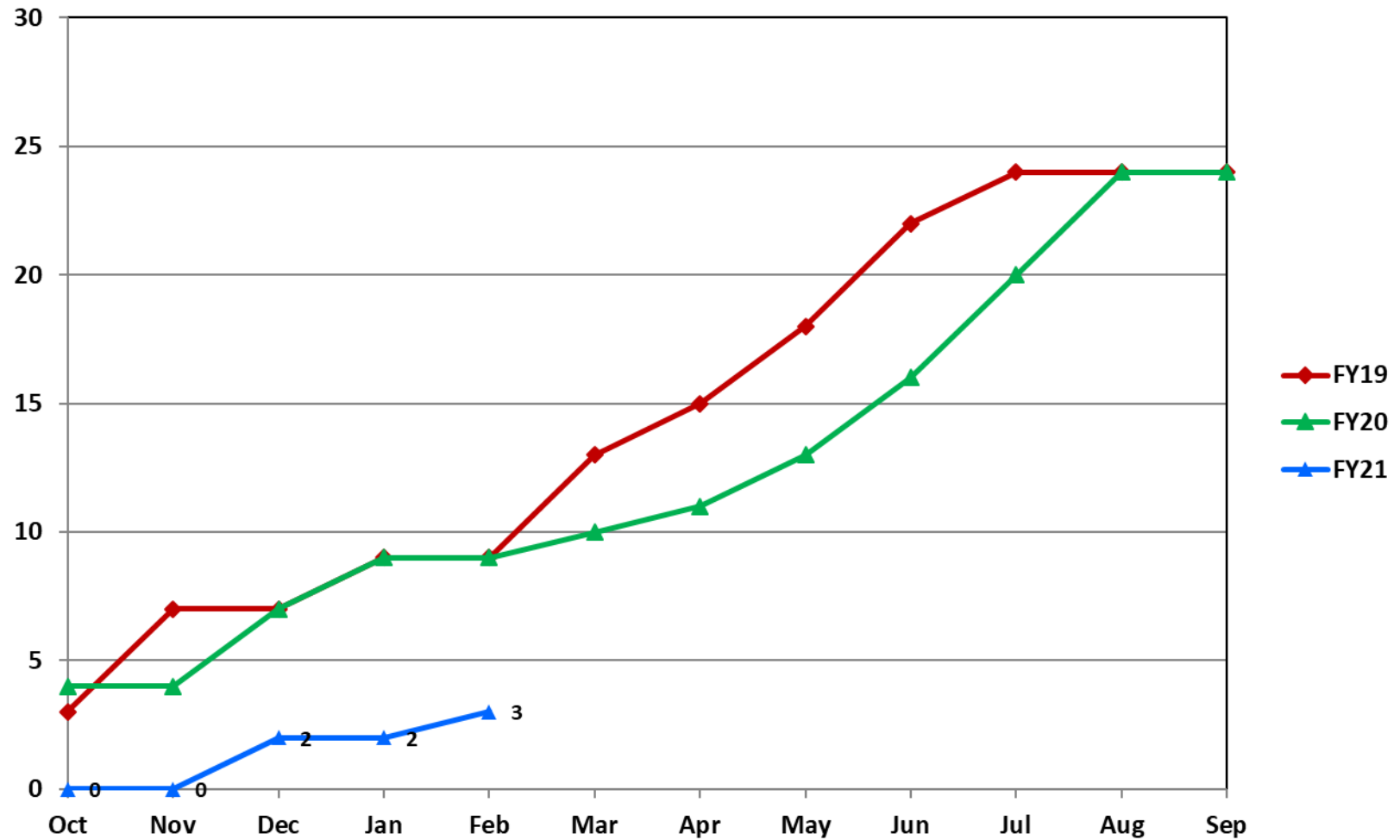
Estimated Rates by Month (per 100,000 flight hours)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	YTD
Accidents:	2.84	2.08	1.9	4.2	2.46								2.69
Fatal Acc:	0	0	0.95	0	0.41								0.25
Fatalities:	0	0	1.42	0	1.64								0.59

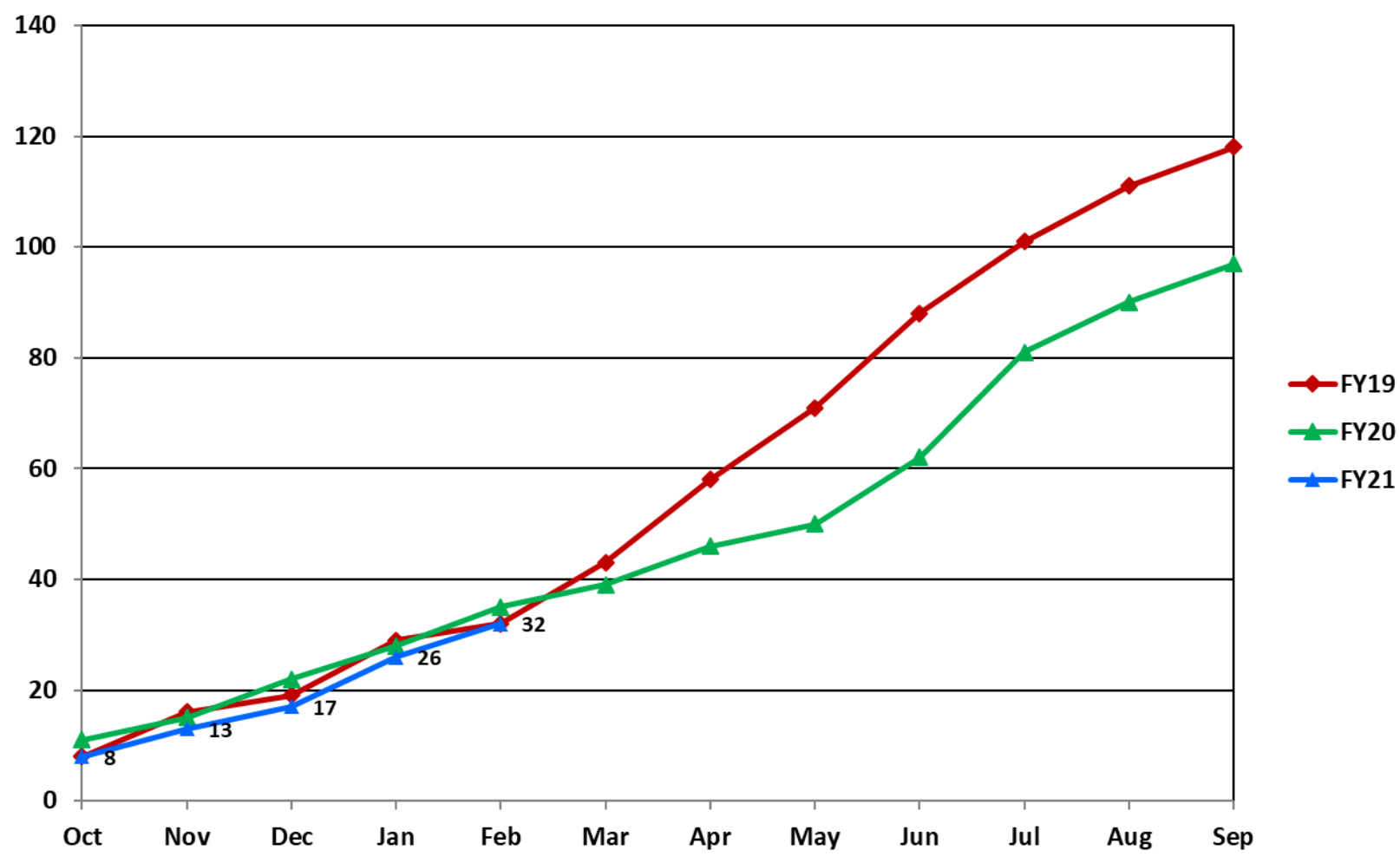
U.S. Registered Rotorcraft Accidents FY83 - FY21



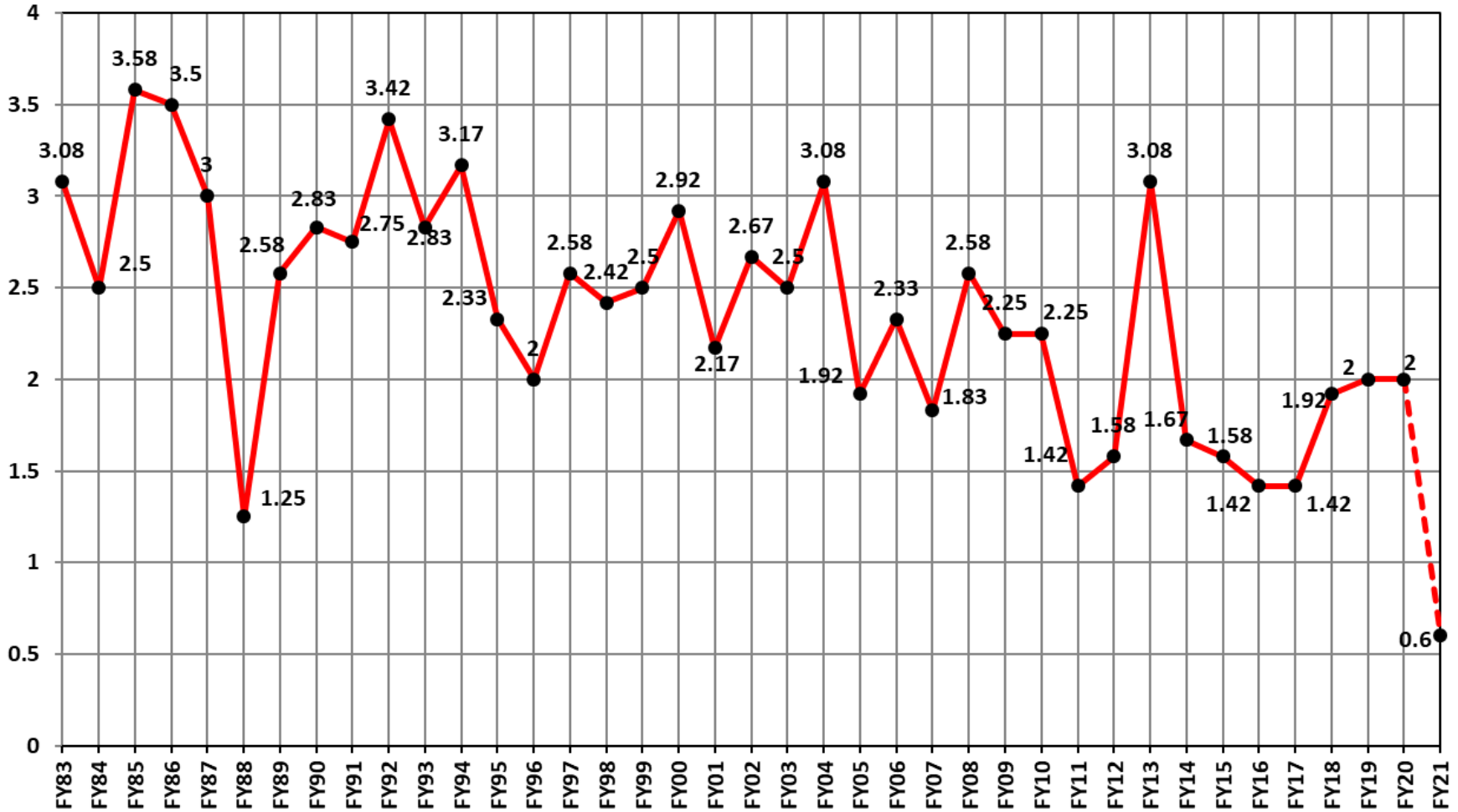
U.S. Registered Rotorcraft Cumulative Fatal Accident Count: FY19 - FY21



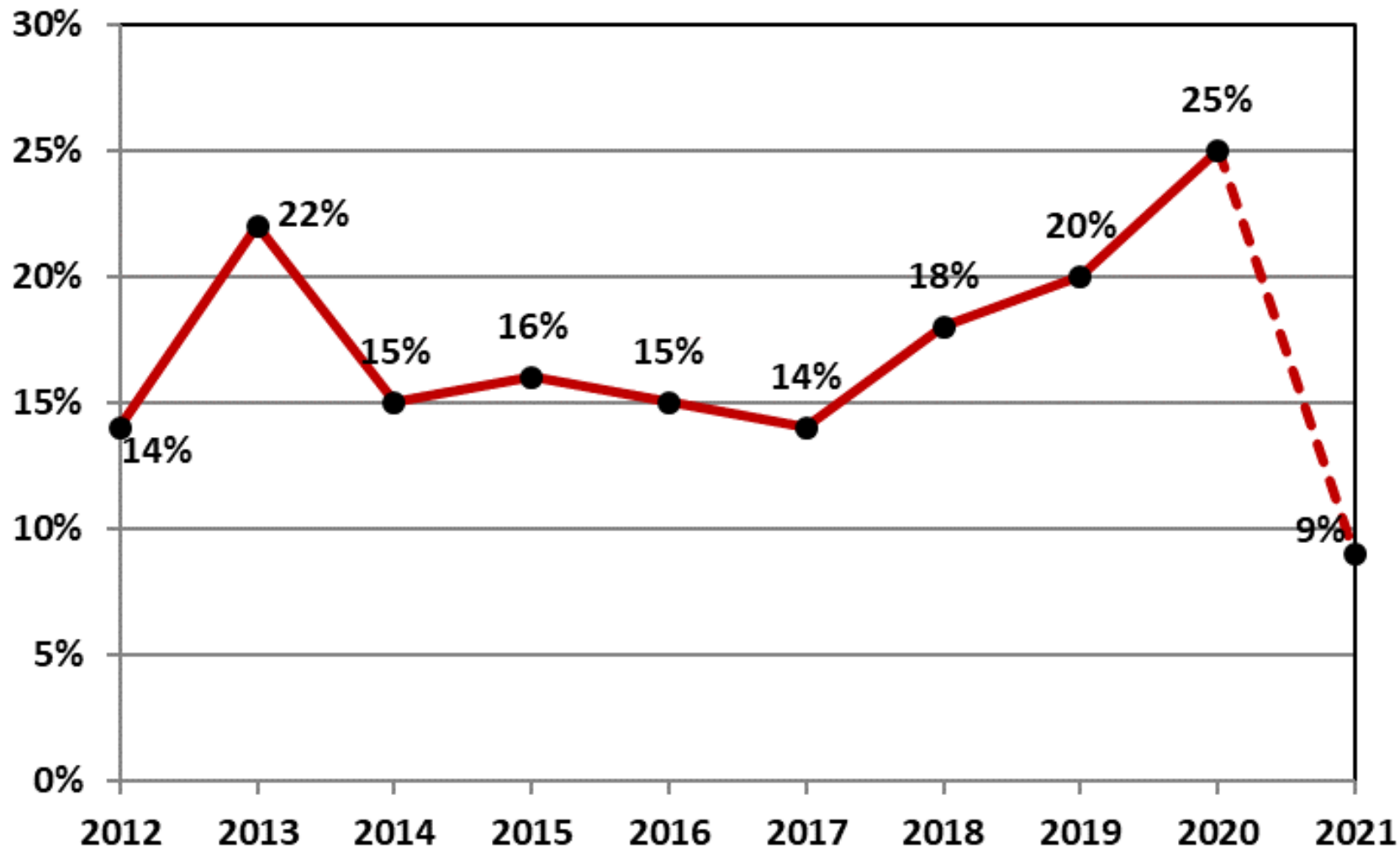
U.S. Registered Rotorcraft Cumulative Accident Count: FY19 - FY21



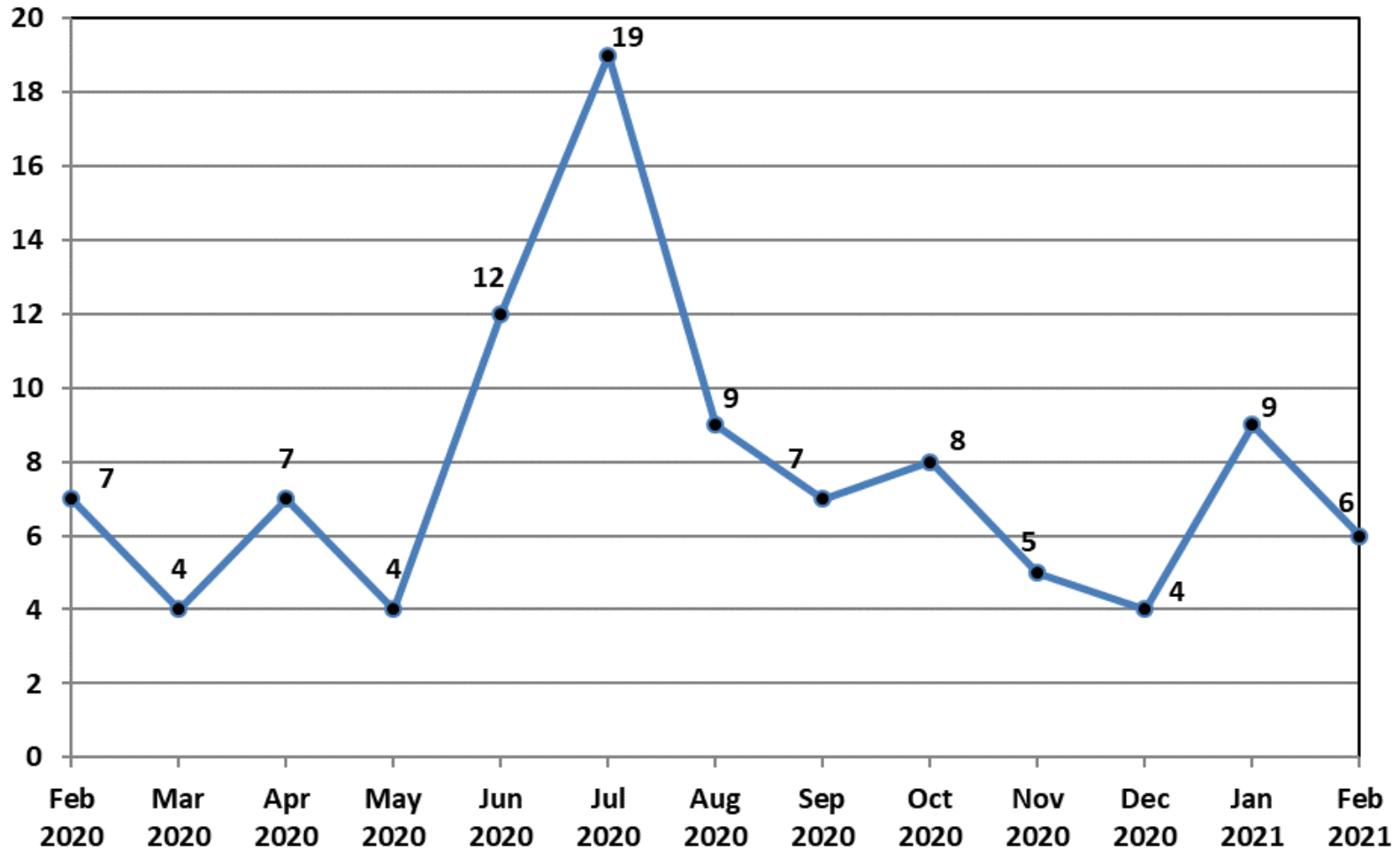
U.S. Registered Rotorcraft Average Fatal Accidents Per Month, FY83-FY21



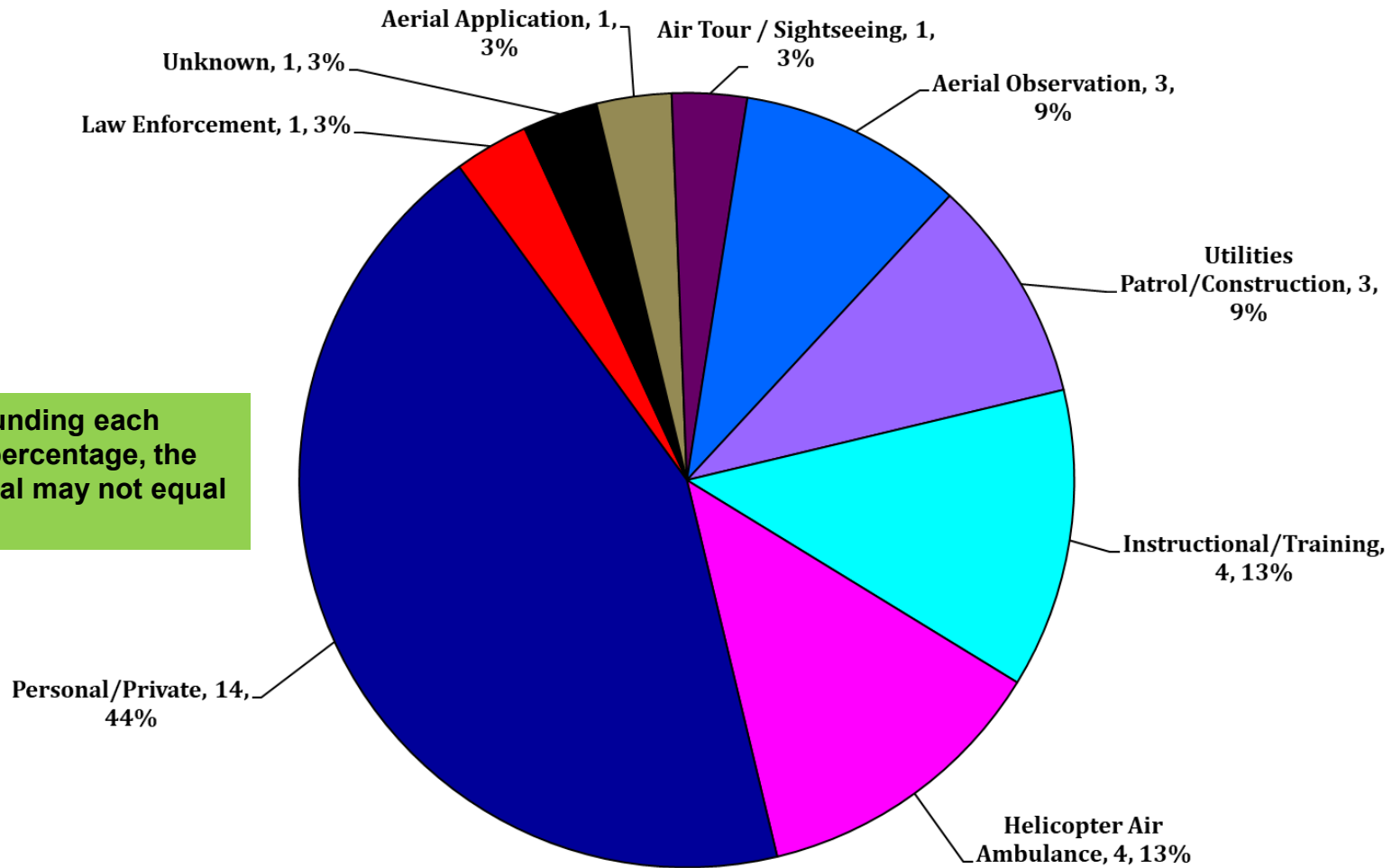
% of U.S. Rotorcraft Accidents with a Fatality (FY21, Oct - Feb)



U.S. Registered Rotorcraft 13 Month Rolling Accident Count



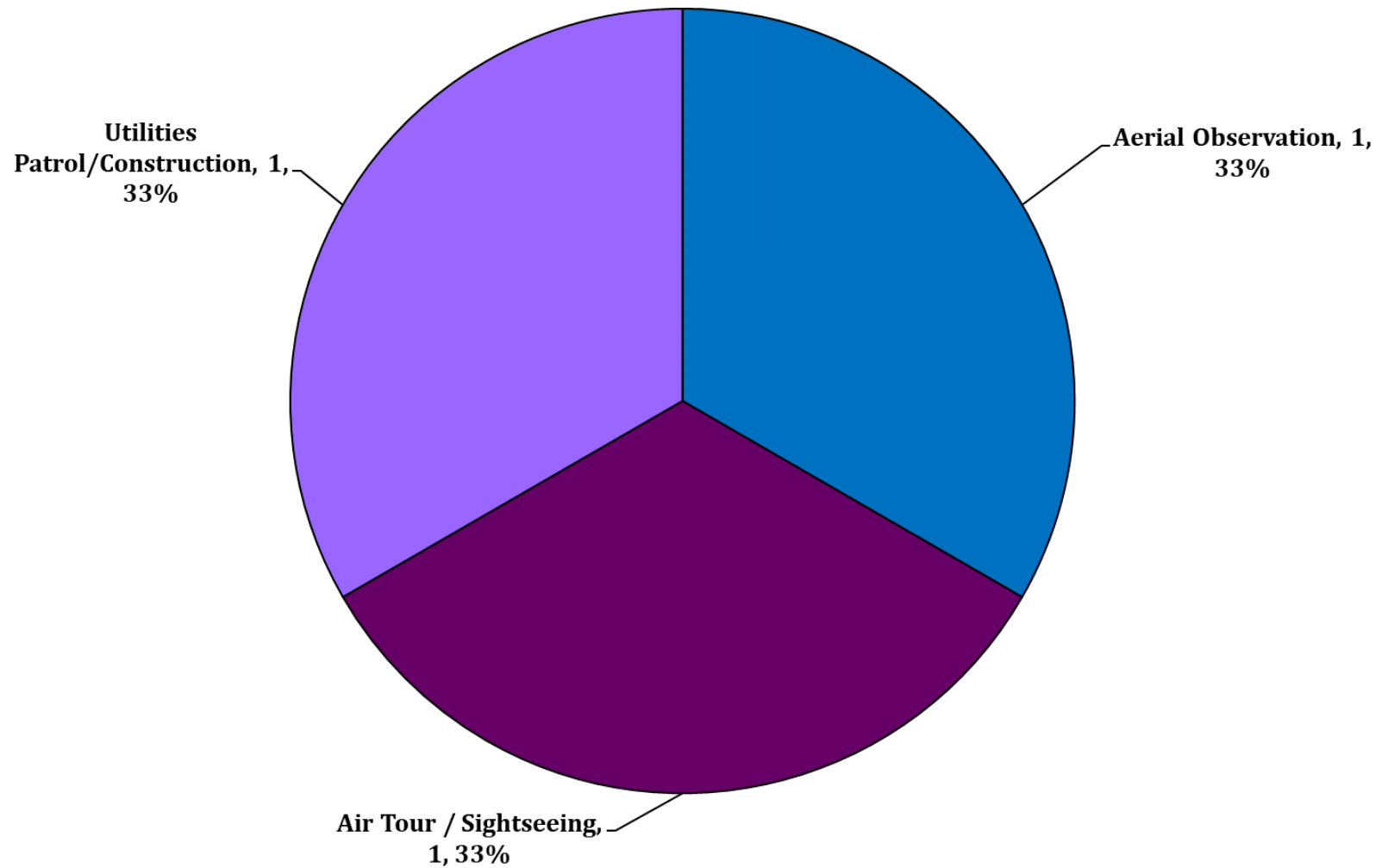
FY 21 – Total Accidents by Industry (Oct - Feb)



Due to rounding each Industry percentage, the overall total may not equal 100%.



FY 21 – Total FATAL Accidents by Industry (Oct - Feb)



FY 21 – U.S. Registered Fatal Rotorcraft Accidents

- 2-15-21 – Bell 206B, N13AT, Part 91, St. Thomas, U.S. Virgin Islands, 4 fatal
 - Sightseeing tour flight around the island
 - Video footage from witness showed smoke from a/c and abrupt yaw
 - Right descending turn into heavily wooded terrain NTSB: ERA21FA130

- 12-29-20 – MDHI 369D, N103SU, Part 133, Tuckers Crossing, MS, 1 fatal
 - Utilities/patrol; using externally suspended saw to clear tree limbs near power lines
 - Pilot announced emergency landing; crashed NTSB: CEN21LA102

- 12-10-20 – Robinson R44, N7085Z, Part 91, Colorado City, TX, 2 fatal
 - Aerial observation for cattle herding
 - In-flight break up suggested from initial wreckage exam NTSB: CEN21LA084



FY 21 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY21 U.S. Registered Accidents	Percentage of Total FY21 U.S. Registered Accidents
Airbus Helicopters	AS350 (H125)	915	7%	1	3%
	AS355	40	< 1%	1	3%
	BK117 (H145)	216	2%		
	EC120 (H120)	92	1%		
	EC130 (H130)	263	2%	1	3%
	EC135 (H135)	331	3%		

Only models that comprise at least 1% of U.S. registered rotorcraft are listed unless an accident has occurred.

*Fleet size based on analysis of rotorcraft on FAA registry as of March 2020



FY 21 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY21 U.S. Registered Accidents	Percentage of Total FY21 U.S. Registered Accidents
Bell	206Bs	934	7%	4	13%
	206Ls	559	4%	1	3%
	212	81	1%		
	407	773	6%		
	412	96	1%		
	429	106	1%		
	505	82	1%		

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*Fleet size based on analysis of rotorcraft on FAA registry as of March 2020

FY 21 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY21 U.S. Registered Accidents	Percentage of Total FY21 U.S. Registered Accidents
Robinson	R-22	864	7%	2	6%
	R-44	1,667	13%	7	22%
	R-66	288	2%	1	3%

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FY 21 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY21 U.S. Registered Accidents	Percentage of Total FY21 U.S. Registered Accidents
Sikorsky	S-61	93	1%		
	S-76	231	2%		
	S-92	87	1%		

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FY 21 - US Rotorcraft Accidents By Model

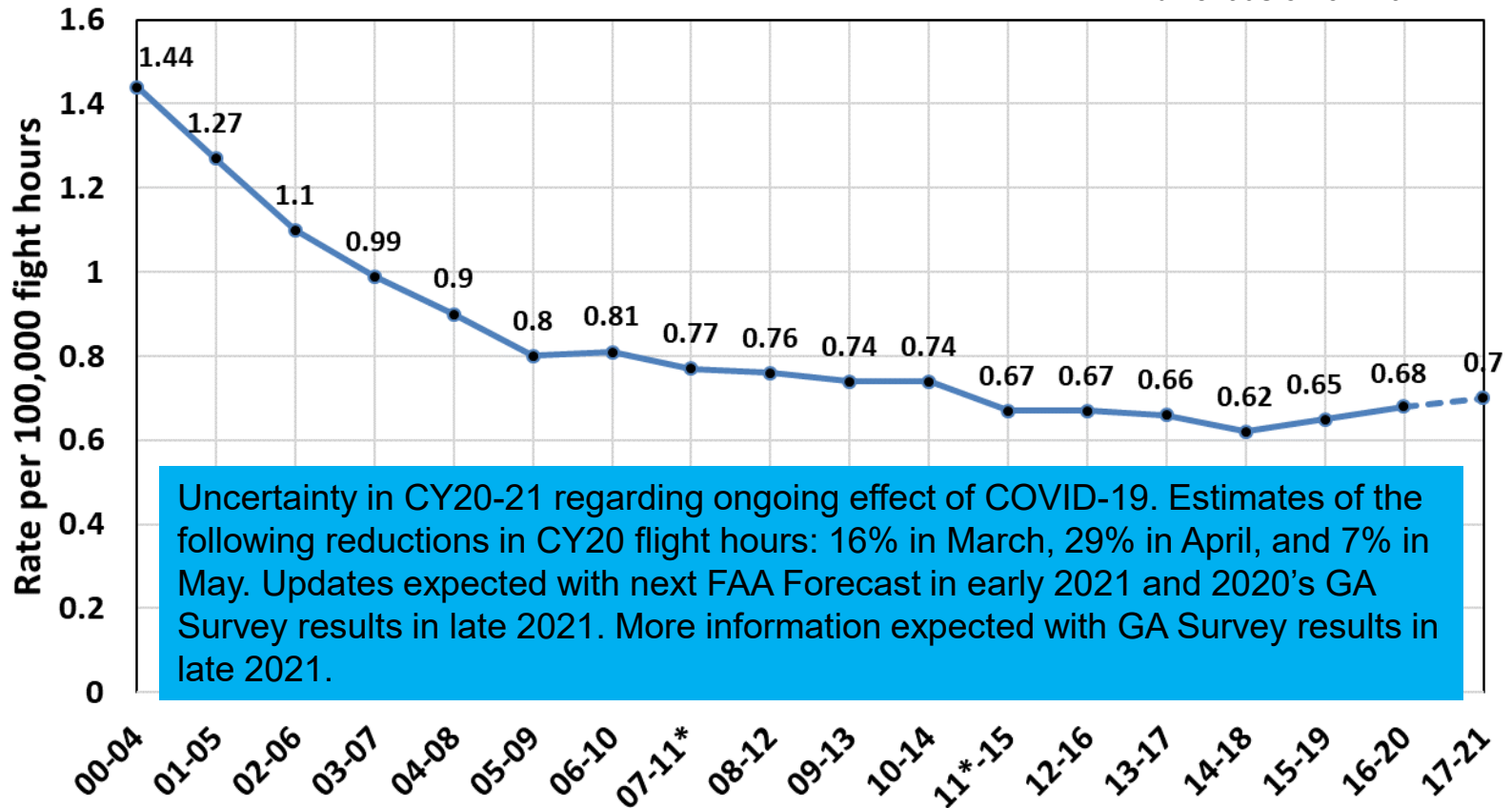
MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY21 U.S. Registered Accidents	Percentage of Total FY21 U.S. Registered Accidents
Enstrom	280	126	1%		
	480	63	< 1%	1	3%
	F28	160	1%		
Hiller	UH-12/H-23	285	2%	1	3%
Leonardo (formerly Agusta Westland)	A109	167	1%	1	3%
	A119	91	1%	1	3%
	AW139	130	1%		
MDHI	369	715	6%	6	19%
	600N	30	< 1%	1	3%
Restricted Category (all TCs)	HH-1/TH-1/UH-1	549	4%		
	OH-58	403	3%		
	H-60	213	2%		
Schweizer Rotorcraft Services Group	269/300/TH-55	516	4%	2	6%
Scott's Bell	47	532	4%	1	3%

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U.S. Helicopter Safety Team (USHST) 5 Year Average Fatal Accident Rate (CY)

Current as of: 3/1/2021

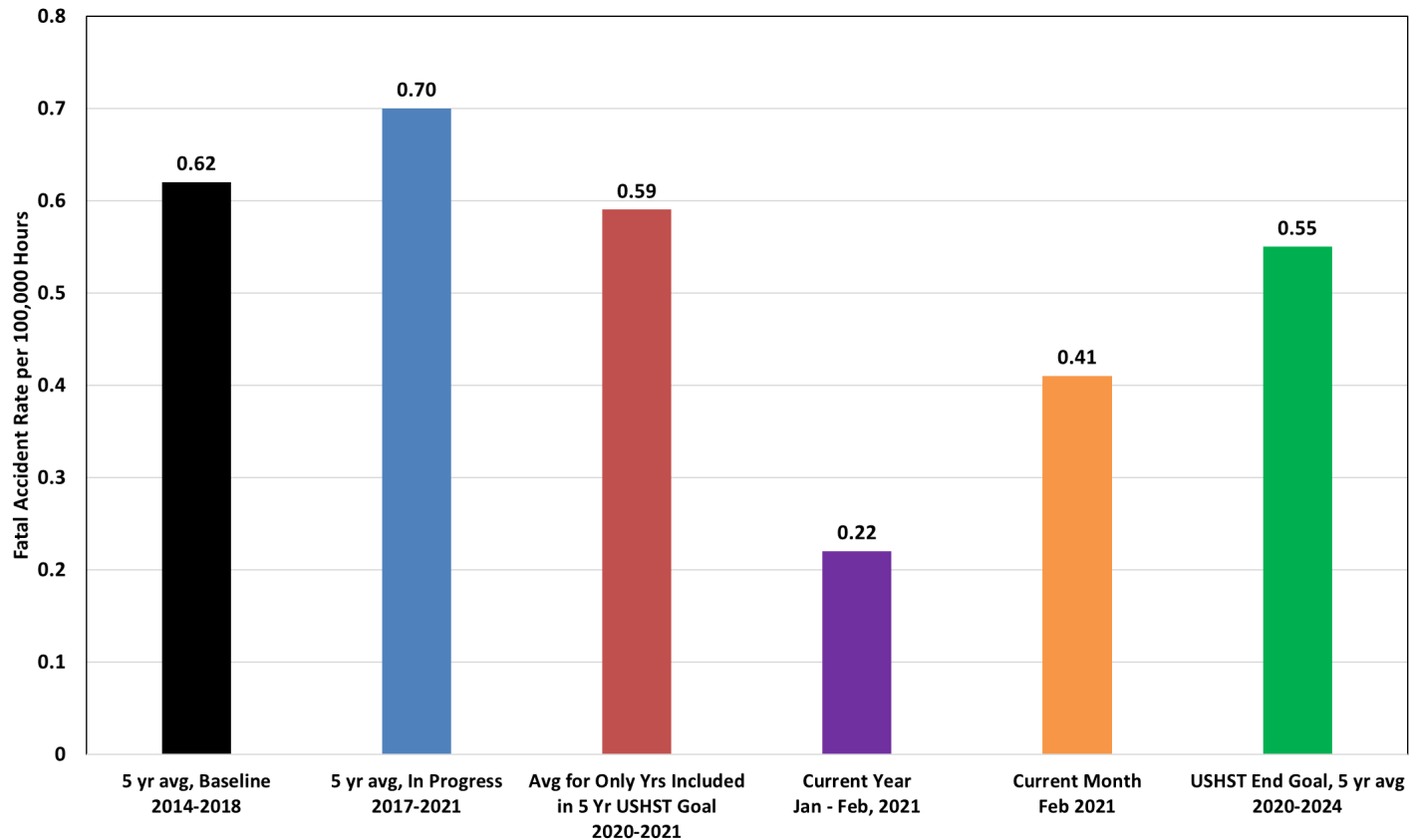


Goal: By 2025, reduce the 5 year average fatal accident rate to 0.55 per 100K hours



U.S. Helicopter Safety Team (USHST) Key Fatal Accident Rate Markers (CY)

Current as of: 3/1/2021



Uncertainty in CY20-21 regarding ongoing effect of COVID-19. Estimates of the following reductions in CY20 flight hours: 16% in March, 29% in April, and 7% in May. Updates expected with next FAA Forecast in early 2021 and 2020's GA Survey results in late 2021. More information expected with GA Survey results in late 2021.

