



Office of the Secretary
PO Box 94245 | Baton Rouge, LA 70804-9245
ph: 225-379-1200 | fx: 225-379-1851

John Bel Edwards, Governor
Shawn D. Wilson, Ph.D., Secretary

August 15, 2019

The Honorable Terry Landry
State Representative District 96
Chairman, House Transportation Committee
P. O. Box 44486
Baton Rouge, LA 70804

Re: L.R.S. 40:1486.2(F) State Participation in and Promotion of Transportation of Oil and Gas Workers Over Water.

Dear Representative Landry:

Provided for your review is a copy of the report as required by L.R.S. 40:1486.2(F) – which requires the Director of Aviation (DA) to summarize and comment upon the following:

- The previous year's developments in safe practices for operators who provide over water flight services in the state
- Evolution of safe practices through federal and industry organizations
- Ensure knowledge of all such practices by operators within the industry

If we can be of further assistance concerning this matter, please contact our office or Mr. Joshua Hollins, Executive Counsel at (225) 379-1057.

Sincerely,

A handwritten signature in blue ink, appearing to read "Shawn D. Wilson", is written over a light blue horizontal line.

for Shawn D. Wilson, Ph.D.
Secretary

SDW/BRB/mb

Attachment



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John Bel Edwards, Governor
Shawn D. Wilson, Ph.D., Secretary

August 15, 2019

The Honorable Page Cortez
State Senator—District 23
Chairman, Senate Transportation Committee
P. O. Box 94183
Baton Rouge, LA 70804

Re: L.R.S. 40:1486.2(F) State Participation in and Promotion of Transportation of Oil and Gas Workers Over Water.

Dear Senator Cortez:

Provided for your review is a copy of the report as required by L.R.S. 40:1486.2(F) – which requires the Director of Aviation (DA) to summarize and comment upon the following:

- The previous year’s developments in safe practices for operators who provide over water flight services in the state
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Sincerely,

for Shawn D. Wilson, Ph.D.
Secretary

SDW/BRB/mb

Attachment

Date: August 15, 2019

To: Chair of House Committee on Transportation, Highways, and Public Works
Chair of Senate Committee on Transportation, Highways, and Public Works
Petroleum Helicopters Inc. - Director of Operations
Bristow Group Inc. - Director of Operations

From: Bradley R. Brandt
Director of Aviation (DOTD)

Subject: L.R.S. 40:1486.2(F) State Participation in and Promotion of Transportation of Oil and Gas Workers Over Water – Requires the Director of Aviation (DA) to publish a report to the chairs of the House and Senate committees on transportation, highways and public works, wherein the DA shall summarize and comment upon:

- The previous year's developments in safe practices for operators who provide over water flight services in the state
- Evolution of safe practices through federal and industry organizations
- Insure knowledge of all such practices by operators within the industry

Background

The legislature emphasizes that the production of oil for the energy needs of the state and nation is of vital concern, and the safety of those who work in the offshore industry and those who transport those workers is also of vital concern. The legislature through this vehicle has directed the Department of Transportation and Development Director of Aviation to participate in education, communication and promotion of aviation safety in the offshore oil and gas industry. The goal is to reduce to as low as reasonably practicable the instances of helicopter accidents in the oil and gas industry by promotion of the adoption of safe practices in such operations.

This legislation requires that the Director of Aviation request membership in the Helicopter Safety Advisory Conference (HSAC) and attend regular scheduled meetings of the conference for the purpose of education, understanding, and dissemination of information developed for the purpose of the promotion of safety through cooperation, and encourage all operators who provide over water flight services to the oil and gas industry to adopt and incorporate the recommended practices of HSAC into their daily operations. Further, the Director of Aviation or his designated representative is required to maintain familiarity with all Federal Aviation Regulations Part 91 – General Operating and Flight Rules, Part 133 – Rotorcraft External Load Operations, and Part 135 – Operating Requirements: Commuter and On Demand Operations and Rules Governing Persons on Board Such Aircraft. The Director of Aviation is also required to post through an identifiable link on the DOTD website pertinent information relevant to new Federal Aviation Regulations and Advisory Circulars published by the Federal Aviation Administration or recommended best practices by the Helicopter Safety Advisory Conference.

The department is currently carrying out duties and responsibilities pursuant to Louisiana Revised Statutes Title 2 Aeronautics §2:6 which pertains to the powers and duties of the department in the promulgation of rules and regulations with respect to aeronautics. The department shall foster air commerce within the state of Louisiana and shall have supervision over the aeronautical activities and facilities. Accordingly, the department may prescribe such reasonable rules and regulations as it deems necessary and advisable for the public safety and safety of those engaged in aeronautics. Further, no rule or regulation prescribed by the department under the authority of L.R.S. §2:6 shall be inconsistent with

the then-current federal legislation governing aeronautics and the regulations duly promulgated thereunder.

The department currently conducts safety and compliance inspections on land-based heliports and helipads. The department takes into consideration the critical type of helicopter that will operate at the facilities in determining the proper safety areas, final approach and takeoff areas and actual touchdown area. To determine the proper dimensions, the department works closely with the helicopter operators to determine the length and width of the aircraft, the main rotor diameter and performance characteristics of the critical aircraft that will operate at the facility. This in turn assists the facilities in ensuring that the proper safety precautions are implemented and maintained and further promotes the adoption of safe practices for helicopter operations and to conduct those operations with the highest degree of safety in the public interest throughout the state.

Actions

The Director of Aviation's designee is a member in good standing with the Helicopter Safety Advisory Conference (HSAC) and serves on the Helideck Committee, the U.S. Helicopter Safety Team (USHST) and the Helicopter Association International (HAI).

The Director of Aviation has designated a representative that may attend the next Helicopter Safety Advisory Conference (HSAC) meeting in New Orleans, Louisiana on October 9-10, 2019. This representative may also attend the next two HSAC meetings held in Houston, Texas in January 2020 and Lafayette, Louisiana in May 2020. The representative also plans to attend the next Helicopter Association International Conference to be held in Anaheim, California, January 27 – 30, 2020.

Safety

The following is a summary of the current developments and safe practices for Helicopter Operators:

- HSAC Recommended Practice- Helideck Design
- Automatic Dependent Surveillance – Broadcast (ADS-B)
- Flight Data Monitoring (FDM)
- Unmanned Aerial Systems (UAS) Awareness

Some of the topics of education that are in discussion and training include the following:

- Training Initiatives to Enhance Safety
- Pilot and Mechanic Shortages
- Helideck Standardization and Safety

After attending the conferences and committee meetings, the Director of Aviation and the designated representative identified the pertinent safety information received and is currently updating the department's website for dissemination of information. The department will continue to promote aviation safety and compliance with federal and state regulations. The department continues to become more active with issues related to helicopter operations and safety to ensure compliance with this legislation and to promote the highest degree of safety for the citizens of Louisiana.

The department through the involvement with the associations previously listed and the interactions with the rotorcraft industry continues to ascertain and disseminate critical rotorcraft safety and operational

information via a link to the Federal Aviation Administration website. An email will be transmitted to the helicopter operators from the department to promote and ensure awareness of the above listed information in accordance with the legislation.

The aviation division will continue to monitor and maintain familiarity with all Federal Aviation Regulations Part 91 – General Operating and Flight Rules, Part 133 – Rotorcraft External Load Operations, and Part 135 – Operating Requirements: Commuter and On Demand Operations and Rules Governing Persons on Board Such Aircraft and promote best practices with regards to aviation safety and compliance within our aviation system and its users.

The following attachments are provided for your review:

1. Helicopter Safety Advisory Conference Meeting Agenda May 15 and 16, 2019
2. 2018 Helicopter Safety Advisory Conference Gulf of Mexico Offshore Helicopter Operations and Safety Review
3. FAA Rotorcraft Standards Branch Accident Briefing, July 2019

HELICOPTER SAFETY ADVISORY CONFERENCE



DATE: April 22, 2019

TO: HSAC Membership

SUBJECT: **HSAC Meeting Wednesday, May 15 and Thursday, May 16, 2019**

Below is the agenda for the May meeting of the Helicopter Safety Advisory Conference (HSAC).

**City Club at River Ranch
1100 Camellia Blvd
Lafayette, LA 70508
No hotel block associated with meeting**

May 15

0630 to 0745	Leonardo Breakfast	
	Work Groups	
0800 to 1130	Flight Following/ADS-B/Rep. Plat	Rick Sloan
0800 to 1130	UAV	Todd Chase
0800 to 1130	FDM	Amanda Roberts
0800 to 1130	Helidecks	Patrick Bosman
1130 to 1230	Lunch (On your own for work groups)	
1230 to 1530	Chief Pilots/Survivability	Don Robson/David Zaworski
1230 to 1530	Technical Committee	Myron Hillers
1230 to 1530	Aerial Patrol	Steve Bechtol
1530 to 1700	AIC Meeting	Allan Overbey Roseanne Albrecht
1700 to 1730	HSAC Board Meeting	
1700 to 1900	Bell Hospitality Social for all	

HELICOPTER SAFETY ADVISORY CONFERENCE



May 16

0630 to 0745	Airbus Breakfast	
0745 to 0815	Registration	
0815 to 1200	Regular HSAC Membership Meeting	
1.	Opening Remarks Anti-Trust Statement Audience Introduction	Pat Attaway
2.	HSAC – Work Group reports ADS-B/Flt. Follow./ Replacement Platform UAV Flight Data Monitoring Chief Pilot/Survivability Technical Workgroup Aerial Patrol Helidecks Workgroup	Rick Sloan Todd Chase Amanda Roberts Don Robson/David Zaworski Myron Hillers Steve Bechtol Patrick Bosman
3.	HSAC Committee Reports <ul style="list-style-type: none">• Treasurer’s Report• Secretary’s Report / Safety• Vice Chairman’s Report• Chairman’s Report• Safety	Don Robson Billy Majeau Bob Hall Pat Attaway Bill Majeau
4.	HSAC Director-at-Large - Vote	Bob Hall
5.	FAA ADS-B Program <ul style="list-style-type: none">• Update	Allan Overbey
6.	FAA Air Traffic Update	Mike Seaner
7.	HSAC 2018 Data	Billy Majeau
8.	Training Initiatives to Enhance Safety	Matt Roberts / FSI
9.	HAZMAT Issues – FAA	David Evans / FAA

“SAFETY THROUGH COOPERATION SINCE 1978”

HELICOPTER SAFETY ADVISORY CONFERENCE



May (cont.)

- 10. New Business Pat Attaway
- 11. Closing Comments and the next meeting announcements Pat Attaway

1200 to 1300 **Sikorsky Luncheon for all members**

Flight Safety, Inc. has graciously provided the between meeting refreshments.

UPCOMING MEETING DATES	LOCATION
Oct 9 & 10, 2019	New Orleans, LA – Four Points Sheraton French Quarter
January 15 & 16, 2020	Houston, TX – Sheraton North Houston at George Bush Intercontinental
May, 2020	Lafayette, LA - TBD



2018 HELICOPTER SAFETY ADVISORY CONFERENCE (HSAC) GULF OF MEXICO OFFSHORE HELICOPTER OPERATIONS AND SAFETY REVIEW

February 12, 2019

HSAC Members:

Please find attached the Helicopter Safety Advisory Conference (HSAC) "2018 Gulf of Mexico (GoM) Offshore Helicopter Operations and Safety Review". The membership support and response from nine (9) helicopter operators for this review is not only appreciated, but vital in establishing a meaningful report. Thank you for your timely responses and continued support.

The level of annual flying activity for 2018 has continued to decrease as compared to the past several years with the total number of flights decreasing from 491,697 in 2017 to 435,528 in 2018. The number of medium twin engine helicopters experienced a slight increase again this year, while the rest of the helicopter fleets numbers decreased. However, due to the increase in the number of mediums, the total fleet has increased by two (2).

Unfortunately, there was one (1) accident in 2018, which was a ground taxi accident with no injuries, but resulted in substantial damage to the helicopter. The resulting 2018 accident rate is 0.55 and the fatal accident rate is 0.00. The five-year average GoM oil industry helicopter accident rates have all shown a favorable decrease. The five-year accident rate per 100,000 flight hours is down to 0.83 from 0.91 in 2017. The average fatal accident rate per 100,000 flight hours is down to 0.28 from 0.35 in 2017. Congratulations on your continued efforts to provide safe transportation in the Gulf of Mexico.

The leading causes, not all inclusive, of the accidents since 1999 are listed below, and secondary causes of these events include 13 related to helideck size or design related issues.

- 21 engine related,
- 25 loss of control or improper procedures,
- 18 helideck obstacle strikes,
- 13 controlled flight into terrain, and
- 12 other technical failures

HSAC has published a number of Recommended Practices to address these issues and they can be reviewed at www.HSAC.org. We are optimistic that by widely and openly sharing this information with all operators and other oil industry groups that additional safety initiatives may be developed and implemented to further reduce accidents and incidents with an ultimate goal of zero events.

Respectfully,

Terry Duprie
HSAC Committee Member

HELICOPTER SAFETY ADVISORY CONFERENCE (HSAC) 2018 GULF OF MEXICO OFFSHORE HELICOPTER OPERATIONS AND SAFETY REVIEW



GULF OF MEXICO OFFSHORE HELICOPTER OPERATIONAL DATA SUMMARY

YEAR	NUMBERS by TYPE HELICOPTER				PASSENGERS CARRIED	HOURS FLOWN	NUMBER OF FLIGHTS
	SINGLE ENGINE	LIGHT TWIN	MEDIUM TWIN	HEAVY TWIN			
2014	271	52	96	46	2,043,649	296,001	741,201
2015	179	37	80	50	1,769,630	223,545	589,076
2016	188	39	69	48	1,498,418	196,484	526,981
2017	182	29	80	43	1,322,160	188,799	491,688
2018	176	25	97	38	1,234,195	182,338	435,528

GULF OF MEXICO OFFSHORE HELICOPTER OPERATIONAL DATA DETAILS

YEAR	HOURS by TYPE HELICOPTER				OPERATIONS (Takeoff/Landings) by TYPE HELICOPTER					
	SINGLE ENGINE	LIGHT TWIN	MEDIUM TWIN	HEAVY TWIN	TOTAL FLEET	SINGLE ENGINE	LIGHT TWIN	MEDIUM TWIN	HEAVY TWIN	TOTAL FLEET
2014	159,859	22,933	76,188	37,021	296,001	477,117	81,734	121,820	60,530	741,201
2015	127,325	17,003	43,471	35,746	228,905	392,814	54,895	88,257	62,110	549,078
2016	118,695	11,308	39,846	26,635	196,484	377,781	34,356	69,785	45,059	526,981
2017	116,408	10,880	38,027	23,484	188,799	373,773	22,474	57,410	38,031	491,697
2018	109,647	7,186	41,096	24,409	182,337	315,592	18,045	64,644	37,247	435,528

GULF OF MEXICO HELICOPTER FLEET OPERATIONAL DATA

Averages Per Helicopter	2016	2017	2018	2016	2017	2018
Passengers per Day per 5 Day Week	5,763	5,124	4,747	571	565	543
Flights Per Day	1,444	1,347	1,193	1,532	1,472	1,296
Average Flight Duration in Min.	22	23	25	4,356	3,989	3,673

As a service to the Helicopter Safety Advisory Conference (HSAC) membership, this Gulf of Mexico Offshore Helicopter Statistical Report is compiled annually from information submitted voluntarily by the membership and helicopter operators. The information is neither verified nor reviewed for accuracy and should be treated as unofficial. The data is believed to be representative; however, the HSAC assumes no liability for accuracy or completeness.

Dedicated to Safety Through Cooperation Since 1978

HSAC 2018 GULF OF MEXICO OFFSHORE HELICOPTER OPERATIONS AND SAFETY REVIEW



GULF OF MEXICO OFFSHORE HELICOPTER ACCIDENT DATA

Type Aircraft	NUMBER OF ACCIDENTS				INJURY CLASSIFICATION				AIRCRAFT DAMAGES				AVIATION ACCIDENT			
	Aircraft Category		Occupant Type		Severity		Classification		Rates		Rates		Rates			
	# Accidents	# Fatal	# Eng Related	Pax	Crew	Injured	Fatal	Minor	Substantial	Total Loss	# Acc 100k Hrs	# Fatal Acc 100k Hrs	# Fatal Occupants	# Acc 100k Fit Stages		
Single Eng.	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Light Twin	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Med. Twin	1*	0	0	0	0	0	0	1	0	0	0	0	0	0		
Heavy Twin	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
2018 Totals	1	0	0	0	0	0	0	1	0	0	0.55	0	0	0.23		

*Accident was ground taxi related

GULF OF MEXICO OFFSHORE HELICOPTER ACCIDENT CAUSES/INFO

	Power Loss, multi-cause	Other	Tie-down Proc.	Loss Control or Improper Proc.	Loose Cargo	Flight Into Terrain, Water (CFITW)	Fuel Mgmt		Obstacle Strike	Fuel Qual	Weather non-CFIT	U N K	Pax Control or HLO or Proc.	Helideck Design or Size Issues	Fatalities Due To Engine Malif.
							Fuel	Mgmt							
							Helideck	Other							
Pilot Procedure Related															
Single Eng	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Light Twin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Med. Twin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hvy Twin	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
99-2018 TtIs	21	13	4	25	6	13	6	17	4	3	7	4	11	6	6

FIVE YEAR GULF OF MEXICO OFFSHORE HELICOPTER ACCIDENT DATA

Year	Number Of Accidents				Injury Classification				Aircraft Damages				Aviation Accident			
	Aircraft Category		Occupant Type		Severity		Classification		Rates		Rates		Rates			
	# Accidents	# Fatal	# Eng Related	Pax	Crew	Injured	Fatal	Minor	Substantial	Total Loss	# Acc 100k Hrs	# Fatal Acc 100k Hrs	# Fatal 1 M Occupants	# Acc 100k Fit Stages		
2014	2	1	0	2	2	0	2	0	1	1	0.68	0.34	0.67	0.27		
2015	3	0	0	5	3	1	0	0	2	1	1.31	0.00	0.00	0.51		
2016	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00		
2017	3	2	0	7	3	2	2	1	0	2	1.59	1.06	1.05	0.61		
2018	1	0	0	0	0	0	0	0	1	0	0.55	0.00	0.00	0.23		
5 Yr. Avg.	1.8	0.6	0.0	2.8	1.6	0.6	0.8	0.2	0.8	0.8	0.83	0.28	0.34	0.32		



**Federal Aviation
Administration**

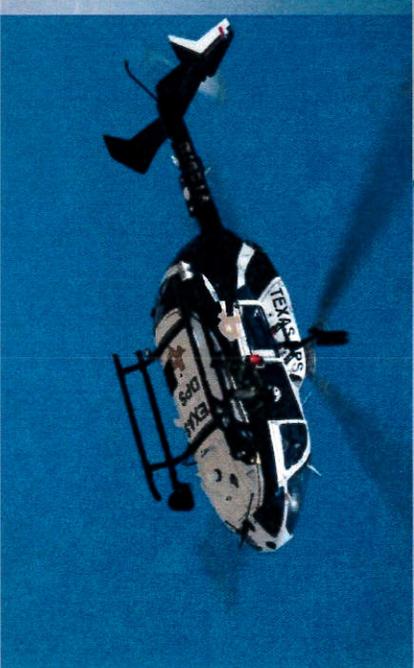
Rotorcraft Standards Branch

AIR-680

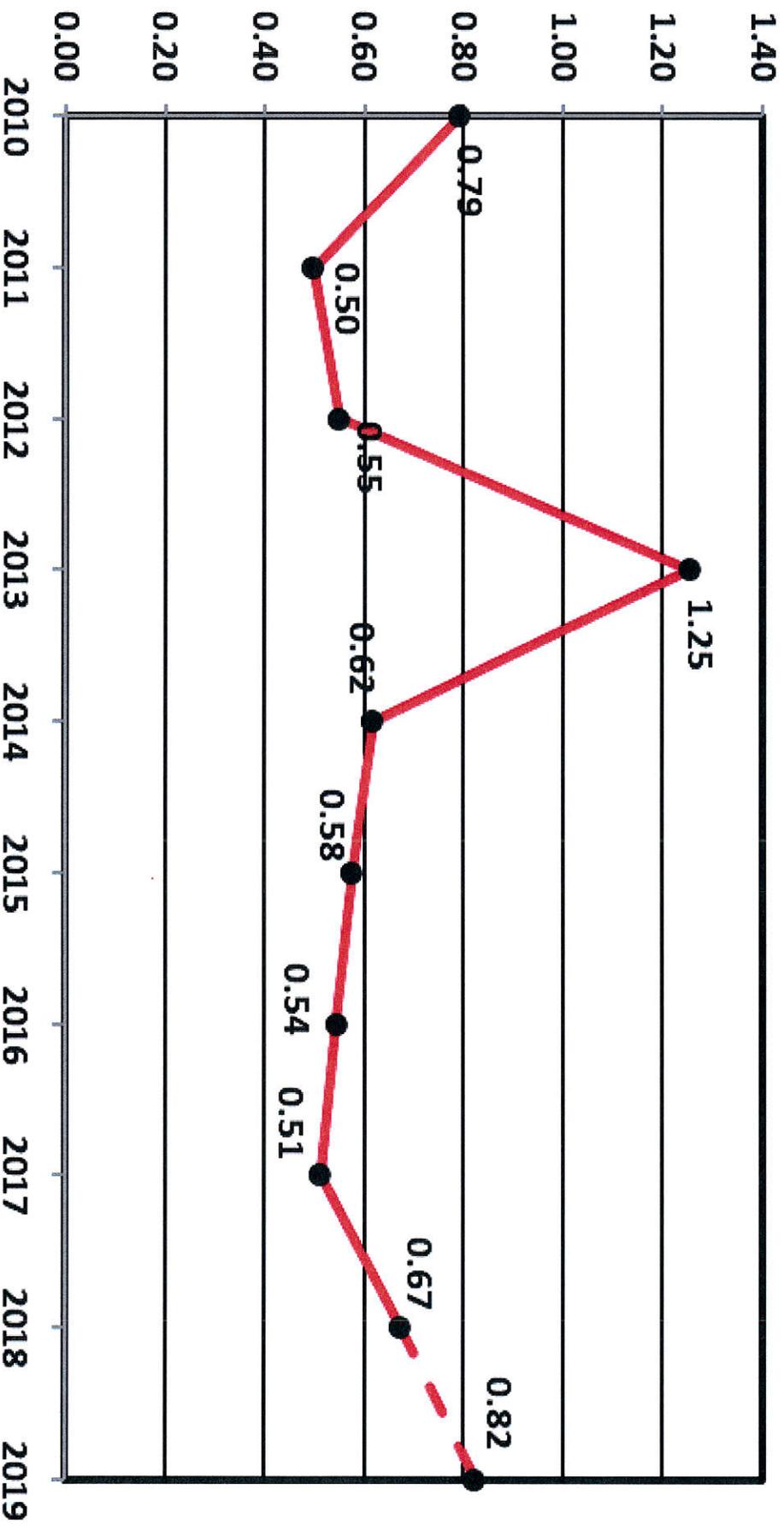
Monthly Accident Briefing

July 2019

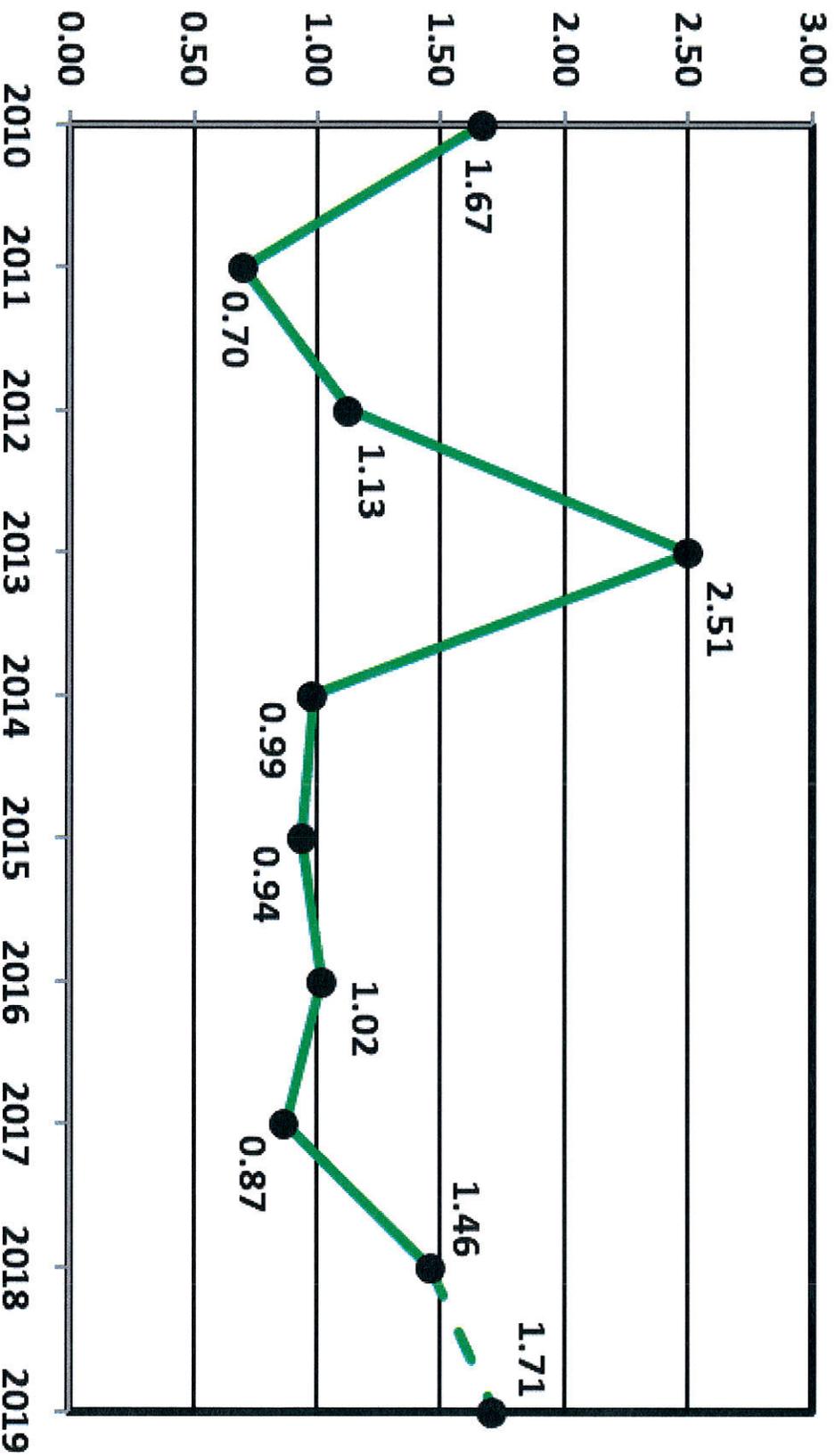
**By: AIR-682, Safety Management Section,
Rotorcraft Standards Branch**



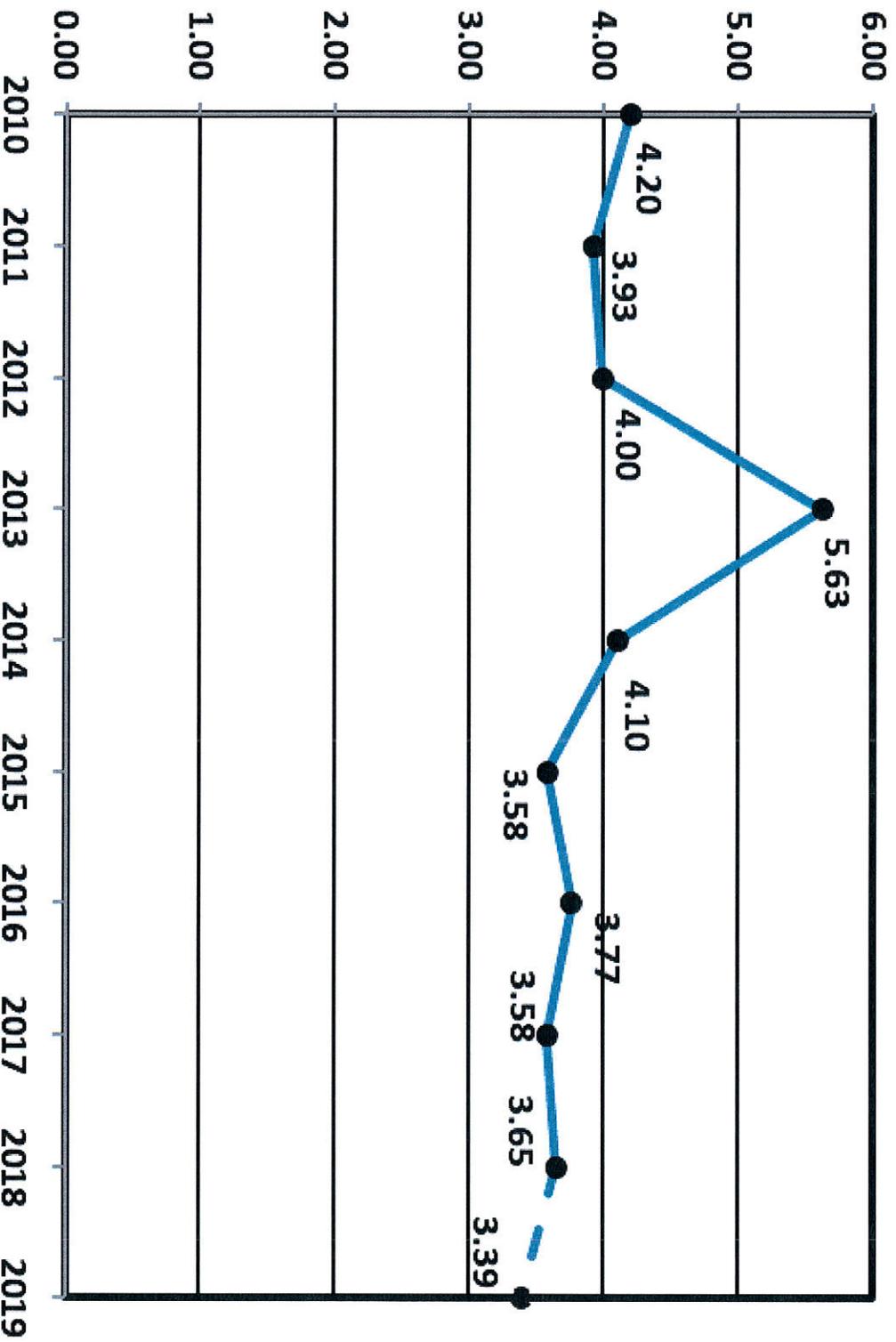
Estimated U.S. Rotorcraft FATAL Accident Rate (per 100,000 hours) – 10 Year Lookback



Estimated U.S. Rotorcraft Fatality Rate (per 100,000 hours) – 10 Year Lookback



Estimated U.S. Rotorcraft Accident Rate (per 100,000 hours) – 10 Year Lookback



FY 19 – U.S. Registered Rotorcraft Event Counts

Accidents:
Fatal Acc:
Fatalities:

Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	YTD
8	8	3	10	3	11	15	13	15	13			99
3	4	0	2	0	4	2	3	4	2			24
4	11	0	4	0	5	4	7	7	8			50

Same time period, previous FY: 103 Accidents, 21 Fatal Accidents, 45 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.

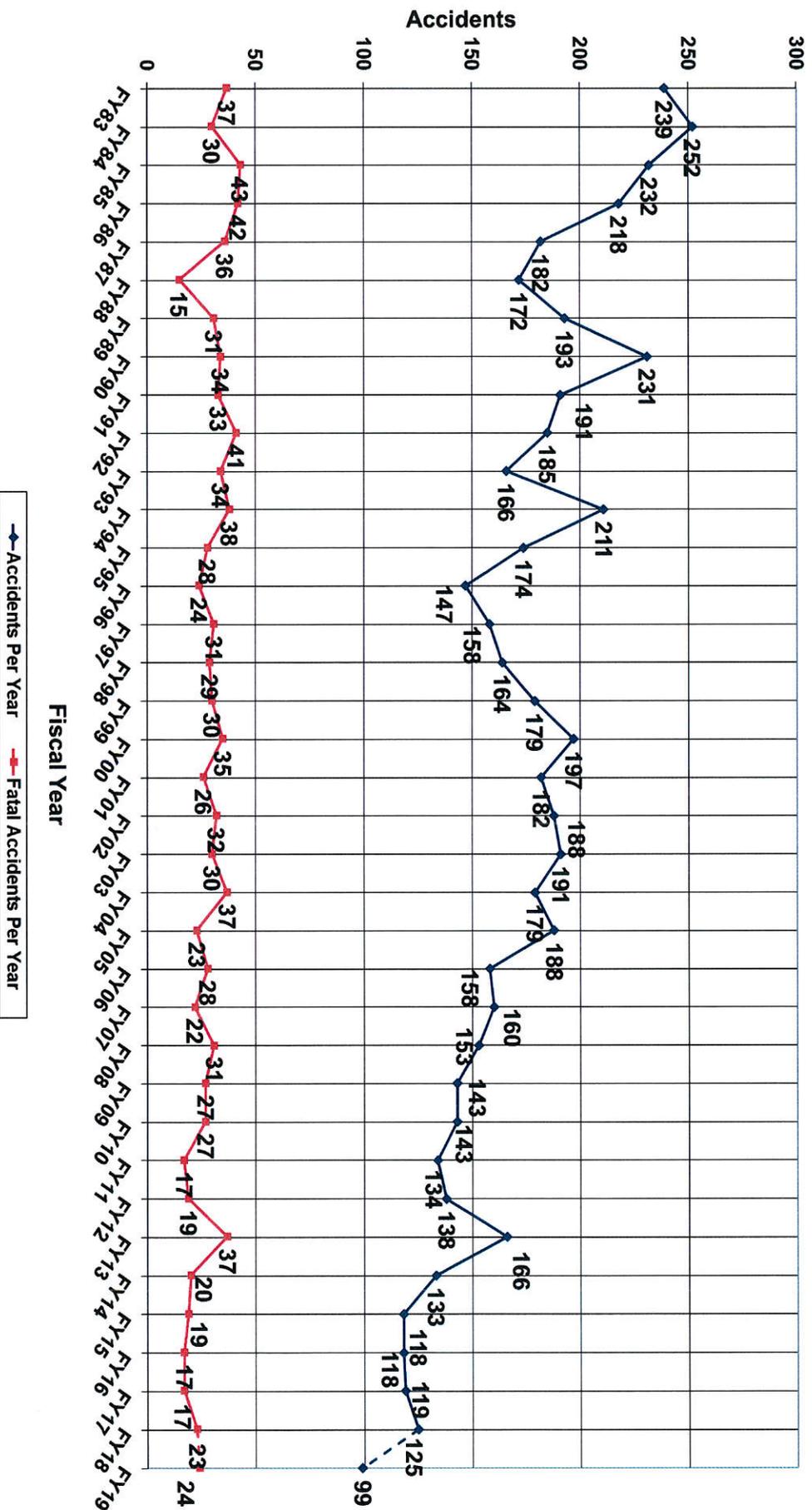
Estimated Rates by Month (per 100,000 flight hours)

Accidents:
Fatal Acc:
Fatalities:

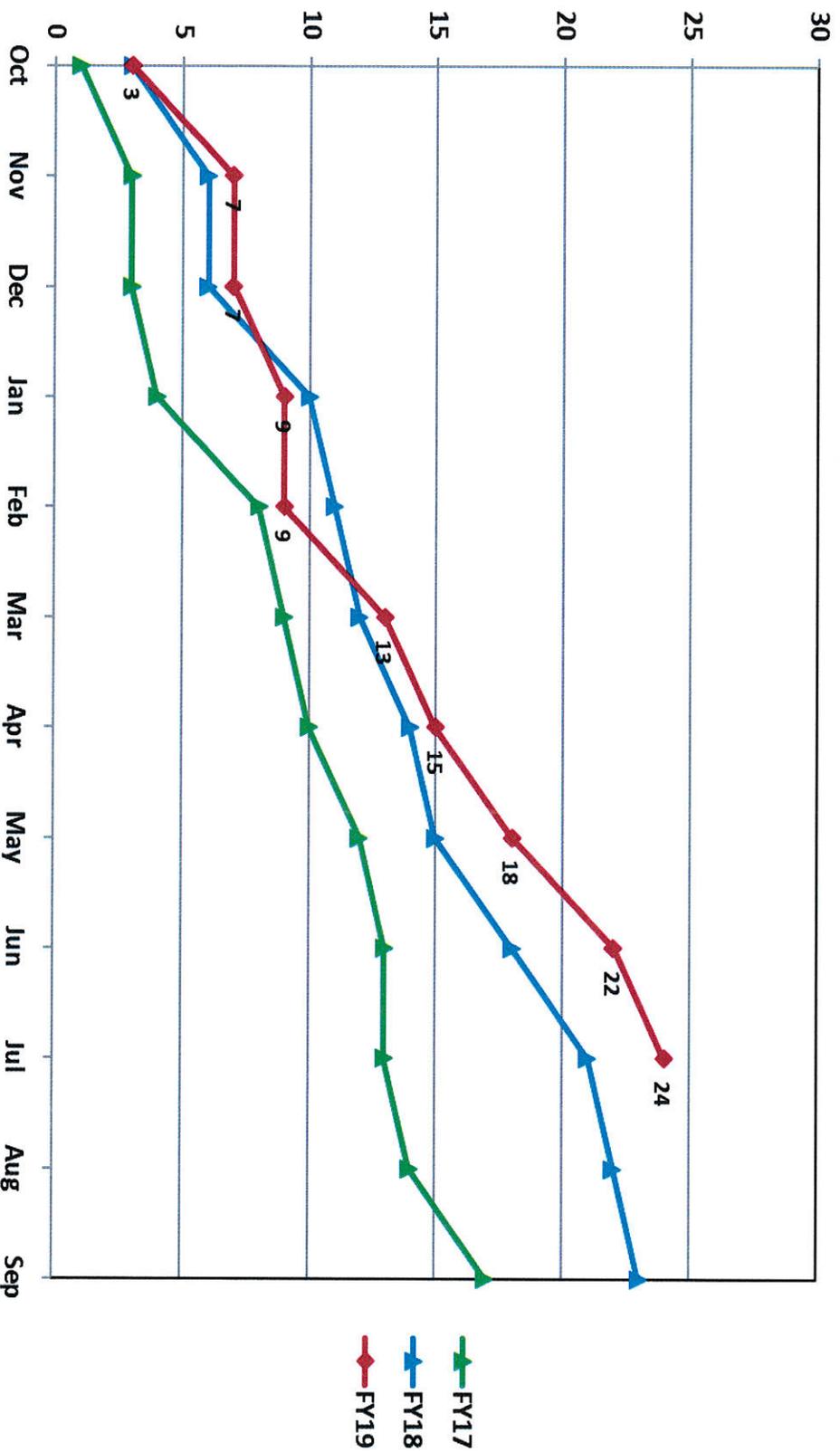
Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	YTD
2.57	3.00	1.29	4.22	1.11	3.53	4.74	4.18	4.57	3.94			3.39
0.96	1.5	0	0.84	0	1.28	0.63	0.96	1.22	0.61			0.82
1.28	4.13	0	1.69	0	1.6	1.27	2.25	2.13	2.42			1.71



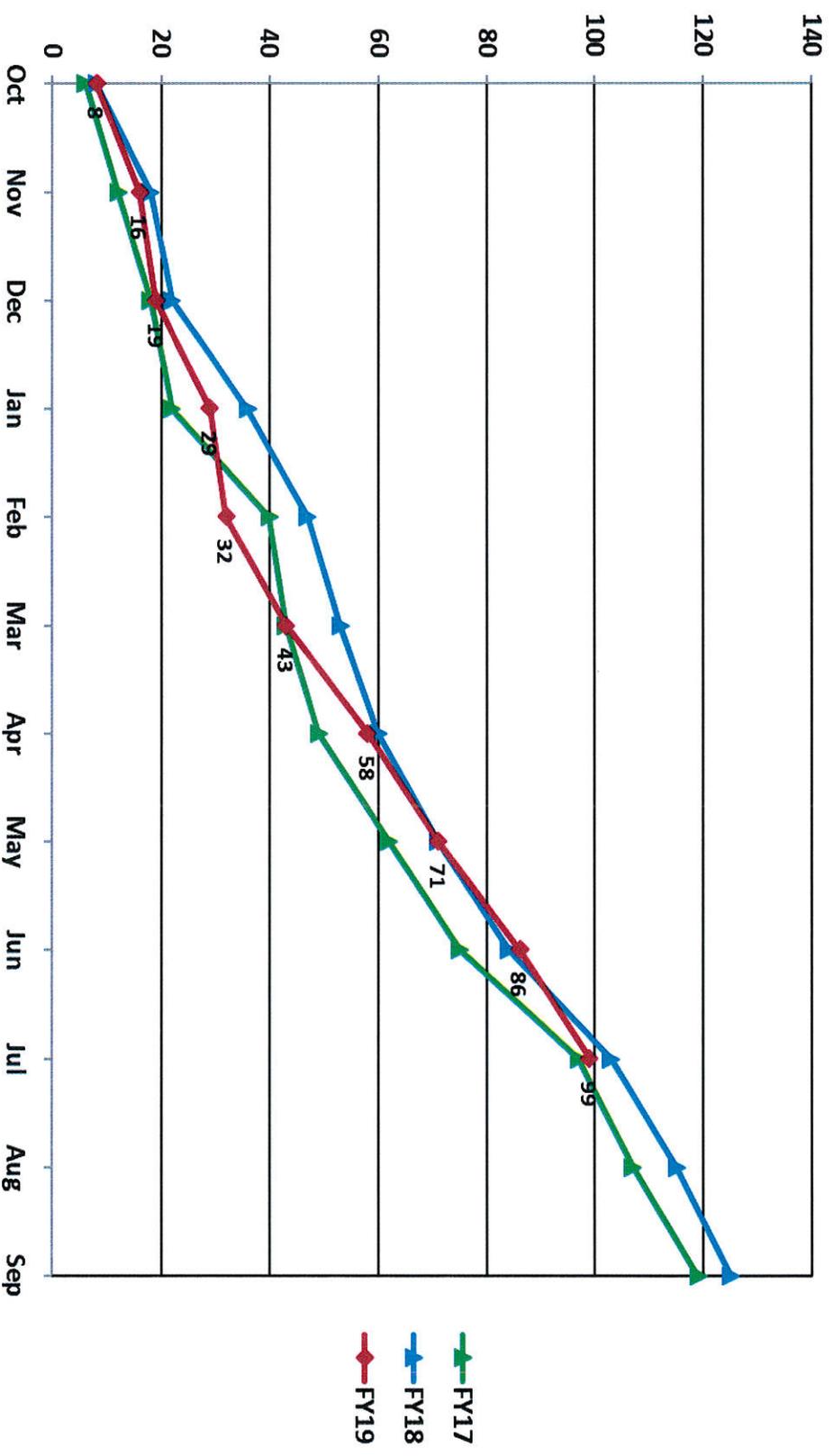
U.S. Registered Rotorcraft Accidents FY83 - FY19



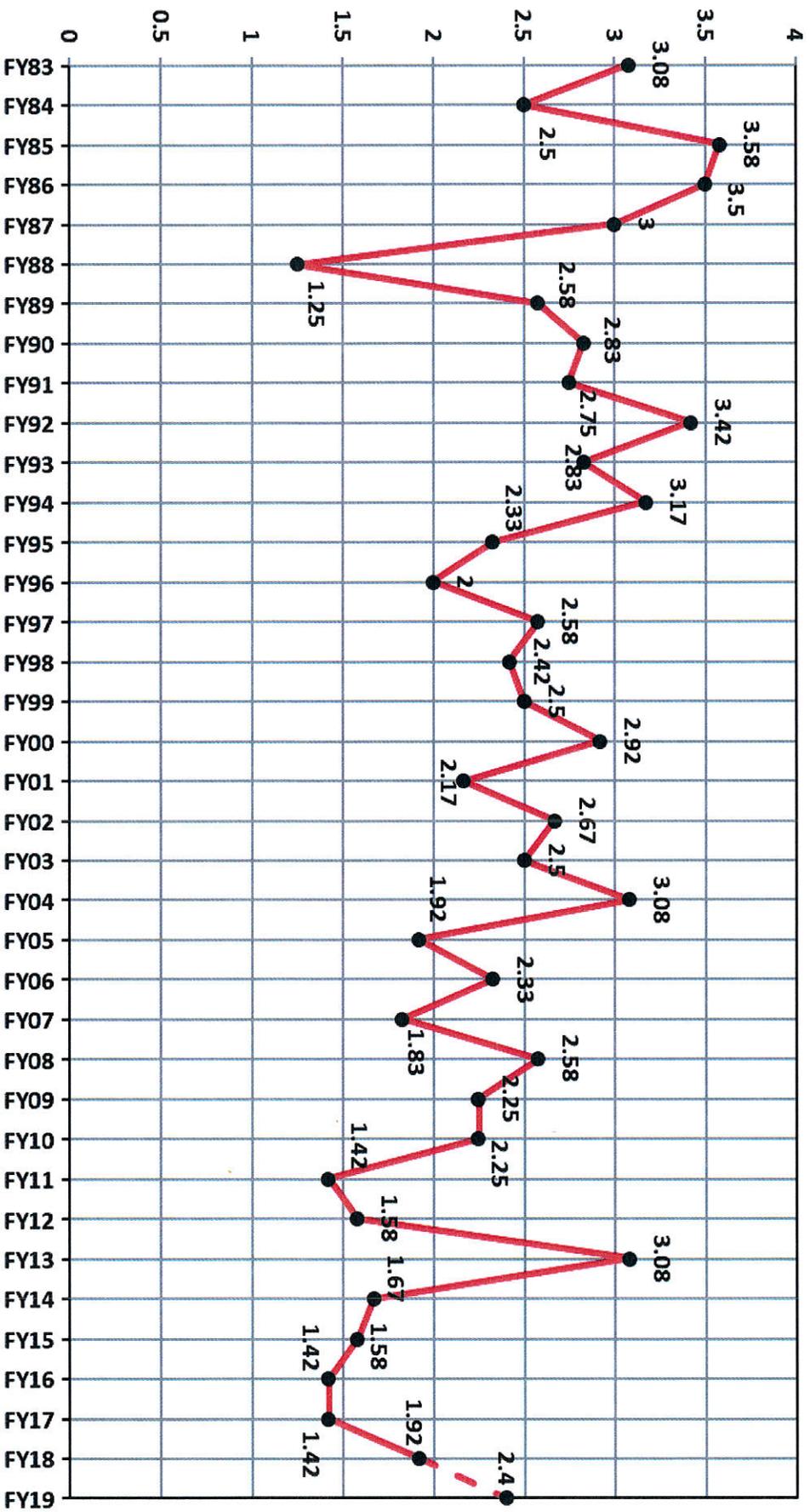
U.S. Registered Rotorcraft Cumulative Fatal Accident Count: FY17 - 19



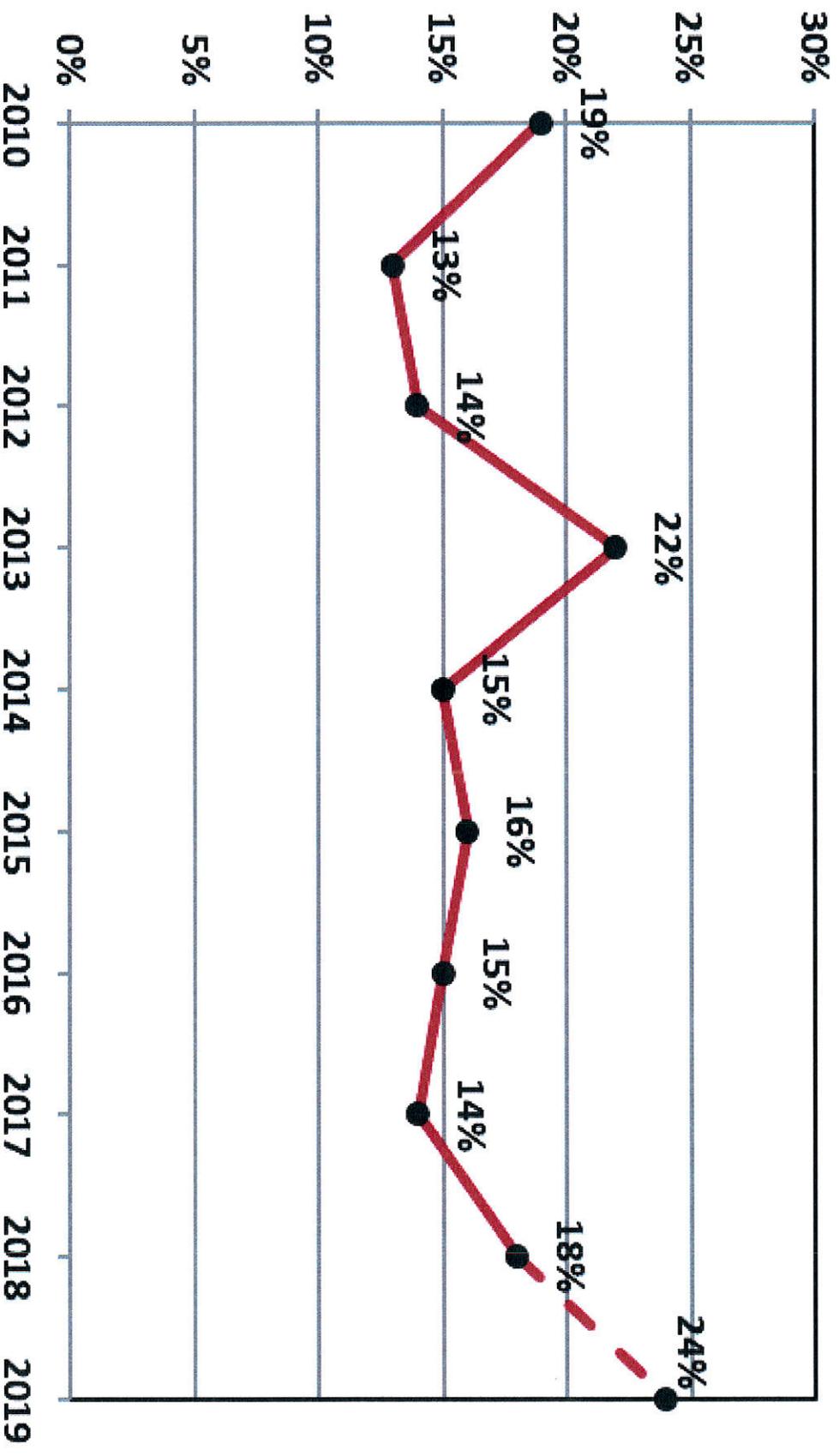
U.S. Registered Rotorcraft Cumulative Accident Count: FY17 - 19



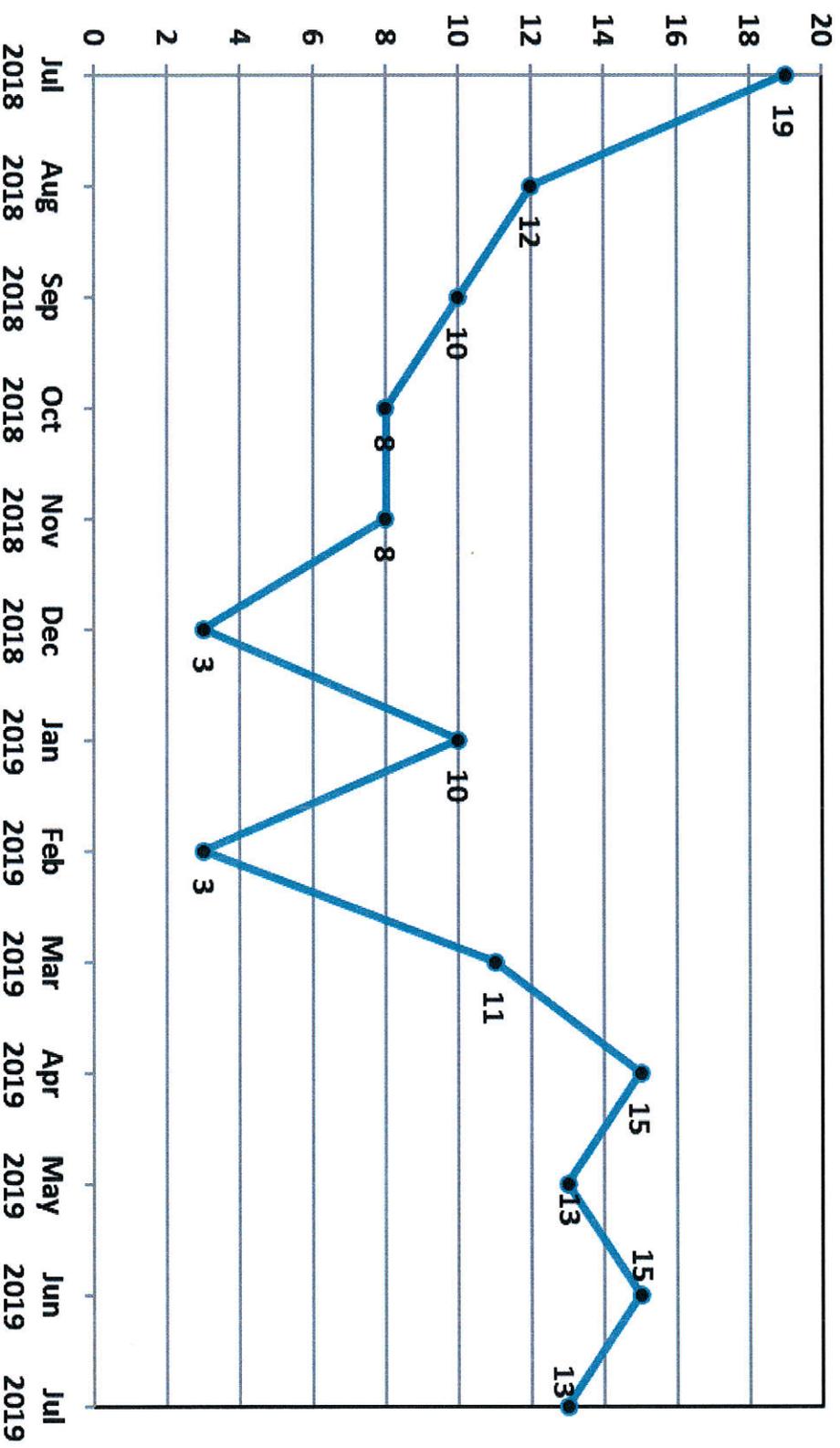
U.S. Registered Rotorcraft Average Fatal Accidents Per Month, FY83-FY19



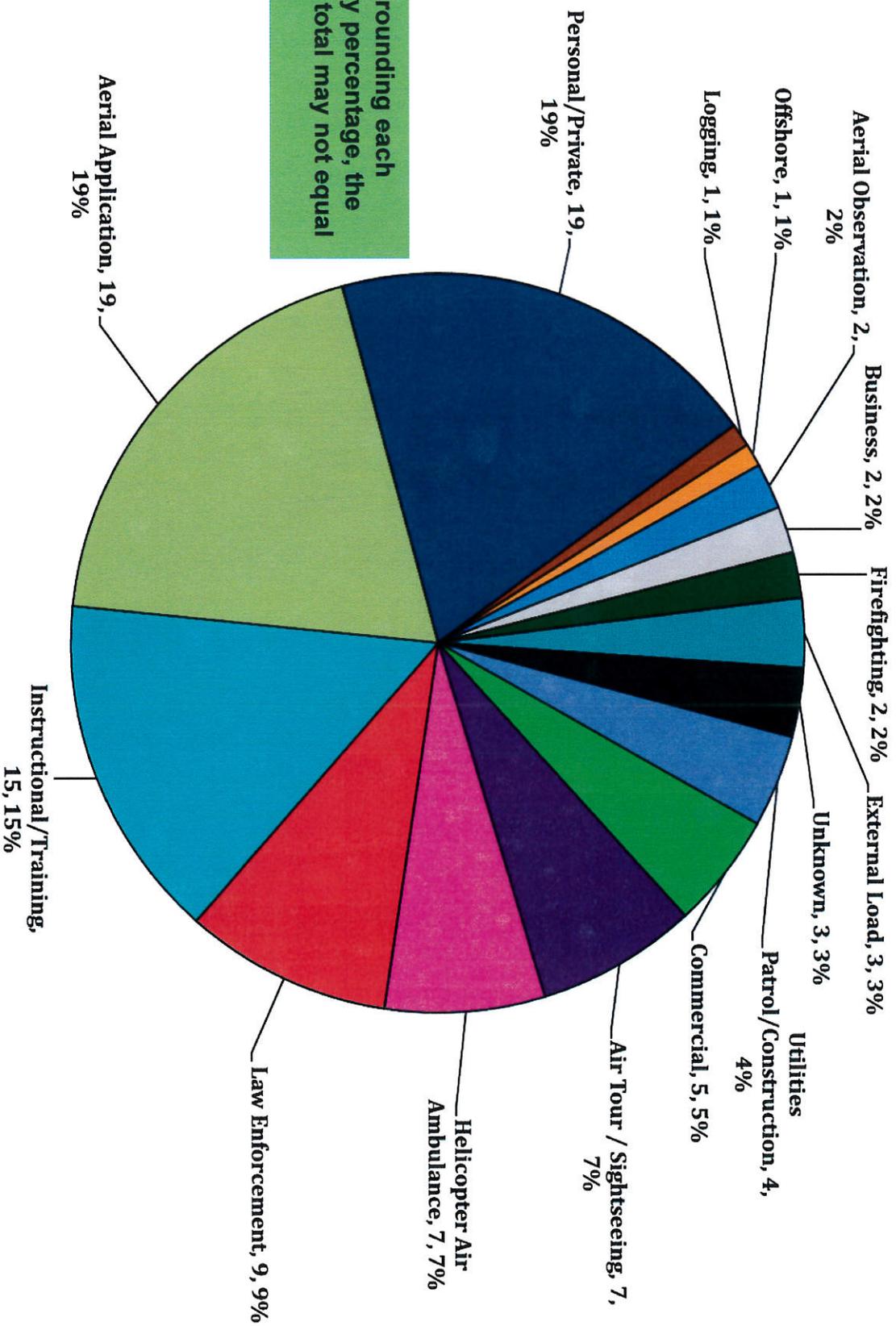
% of U.S. Rotorcraft Accidents with a Fatality (FY19, Oct-Jul)



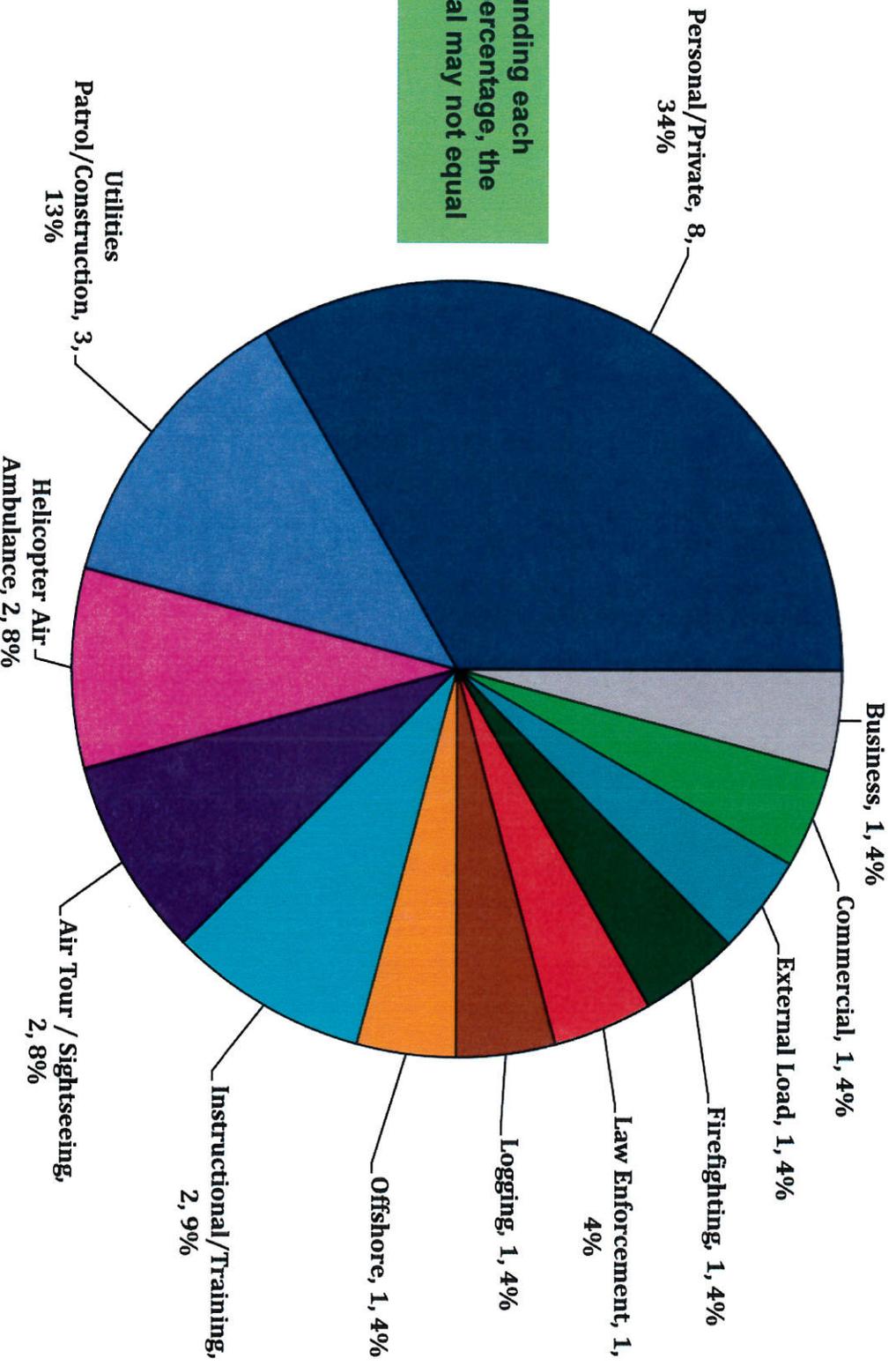
U.S. Registered Rotorcraft 13 Month Rolling Accident Count



FY 19 – Total Accidents by Industry (Oct 2018 – Jul 2019)



FY 19 – Total FATAL Accidents by Industry (Oct 2018 - Jul 2019)



FY 19 – U.S. Registered Fatal Rotorcraft Accidents

7-15-19 – Robinson R44, N144TG, Hayward, CA, Part 91, 1 fatal, 1 serious

– Instructional flight; hovering near an airport taxiway

– Rolled over following rapid turn, high angle left bank

[NTSB: WPR19FA188](#)



FY 19 – U.S. Registered Fatal Rotorcraft Accidents

- 6-28-19 – Leonardo A109S, N111NM, Brainerd, MN, Part 135, 2 fatal, 1 serious
 - Night IFR HAA flight; returning to Brainerd after patient delivery to Robbinsdale
 - Crashed during approach from ILS Runway 23

[NTSB: CEN19FA185](#)

- 6-17-19 – Robinson R44, N7187D, Avalon, CA, Part 91, 1 fatal
 - Personal use VFR flight; maneuvering near Catalina Island
 - IMC prevailed in the area at the time of crash

[NTSB: WPR19FA175](#)

- 6-10-19 – Leonardo A109E, N200BK, New York City, NY, Part 91, 1 fatal
 - Business VFR flight from East 34th Street Heliport to Linden, NJ
 - IMC prevailed; a/c crashed into the roof of a building

[NTSB: ERA19FA191](#)

- 6-2-19 – Robinson R44, N41351, Cass, AR, Part 91, 3 fatal, 1 serious
 - Local sightseeing flight at a music festival
 - Crashed under unknown circumstances

NTSB: CEN19FA160



FY 19 – U.S. Registered Fatal Rotorcraft Accidents

- 5-17-19 – Robinson R44, N744TW, Alpine, UT, Part 91, 2 fatal
– Personal use cross country flight
– IMC prevailed; a/c crashed in mountainous terrain
[NTSB: WPR19FA148](#)
- 5-4-19 – Guimbal Cabri G2, N572MD, Kent Island, MD, Part 91, 2 fatal
– Personal use; flying around the southern point of Kent Island
– IMC prevailed; a/c impacted in Chesapeake Bay
[NTSB: ERA19FA163](#)
- 4-29-19 – Robinson R44, N808NV, Kailua, HI, Part 135, 3 fatal
– Air Tour flight; crashed in residential area
[NTSB: WPR19FA123](#)
- 4-4-19 – Robinson R44, N4046J, Tampa, FL, Part 91, 1 grd fatal, 1 grd serious,
no injuries to 2 occupants on a/c
– Personal use; positioning to Sarasota when power loss occurred
– Autorotated to a roadway, main rotor blades hit pole, fractured, flew into a truck
– One truck occupant fatally injured by fractured blade
[NTSB: ERA19FA142](#)



FY 19 – U.S. Registered Fatal Rotorcraft Accidents

- 3-27-19 – Airbus Helicopters AS350B3, N818MC, Montgomery, TX Part 91, 1 fatal, 1 serious, 1 minor
- Supporting controlled burn; Finished drop of ignitable plastic spheres
 - Preparing to depart for airport; crashed in wooded area [NTSB: CEN19FA109](#)
- 3-10-19 – Bell 407, N577AL, Galliano, LA Part 135, 2 fatal
- On demand passenger flight from Galliano, LA to Gulf of Mexico
 - Impacted a marsh after descending from cruise flight [NTSB: CEN19FA095](#)
- 3-8-19 – Richards Heavylift Helo UH-1B, N64RA, Forks, WA, Part 133, 1 Fatal
- External load, long line logging operation
 - Crashed at logging site under unknown circumstances [NTSB: WPR19FA091](#)
- 3-5-19 – MDHI 369D, N89ZC, Talking Rock, GA, Part 133, 1 Fatal
- External load; 10 bladed aerial saw attached to trim trees near power lines
 - Crashed after performing a tree trimming pass [NTSB: ERA19FA118](#)



FY 19 – U.S. Registered Fatal Rotorcraft Accidents

- 1-29-19 – Bell 407, N191SF, Zaleski, OH, Part 135, 3 Fatal
 - Helicopter Air Ambulance; enroute Pomeroy, OH for patient pick up
 - Crashed in heavily wooded area

[NTSB: CEN19FA072](#)

- 1-24-19 – Bell 206L3, N8227J, Ashland, OR, Part 91, 1 Fatal
 - Training flight to build flight time
 - Collided with trees while maneuvering at low altitude

[NTSB: WPR19LA071](#)

- 11-16-18 – Bell OH-58C, N510CP, Clanton, AL, Part 91, 2 Fatal
 - Law enforcement, positioning flight from Columbus, GA to Auburn, AL
 - Struck powerlines and impacted the Coosa River

[NTSB: ERA19FA047](#)

- 11-4-18 – Bell 206B, N417WT, Uvalde, TX, Part 91, 3 Fatal
 - Personal use; night flight departed private ranch en route to San Antonio
 - Collided with 1,450 foot hill about 5 miles from ranch

[NTSB: CEN19FA024](#)



FY 19 – U.S. Registered Fatal Rotorcraft Accidents

- 11-2-18 – MDHI 369D, N5187S, McDougal, AR, Part 133, 1 Fatal, 2 Minor
- Utilities Patrol/Construction; utility line work w/2 linemen attached
 - Impacted a utility pole and crashed
- [NTSB: CEN19FA020](#)
- 10-30-18 – Airbus Helicopter AS355F2, N372CA, Beekmantown, NY, Part 133, 2 Fatal, 2 Serious
- Utilities Patrol/Construction; stringing fiber optic line along existing power lines
 - Contacted lines, became entangled, fire ensued
- [NTSB: ERA19FA035](#)
- 10-29-18 – Airbus Helicopter AS350B3, N910S, Odanah, WI, Part 91, 1 Fatal
- Utilities Patrol/Construction; oil and gas aerial pipeline patrol
 - Crashed under unknown circumstances, post-crash fire
- [NTSB: CEN19FA018](#)
- 10-17-18 – Robinson R22, N923SH, Fulton, MO, Part 91, 1 Fatal
- Instructional/Training; Solo cross country flight to Columbia, MO
 - Crashed while enroute
- [NTSB: CEN19FA009](#)



FY 19 – U.S. Registered Fatal Rotorcraft Accidents Occurring Outside the U.S.

- 7-4-19 – Leonardo AW139, N32CC, Big Grand Cay, Bahamas, Part 91, 7 fatal
 - Night IFR personal use flight; returning to Florida from Bahamas
 - Impacted the water 1.2 miles NE of departure point [NTSB: ERA19FA210](#)
- 5-21-19 – Bell 206B, N9956K, Puerto Plata, Dominican Republic, 3 Fatal
 - Crashed under unknown circumstances NTSB: ERA19WA176
- 11-22-18 – Airbus Helicopter EC120B, N124ML, La Romana, Dominican Republic, 5 Fatal
 - Crashed under unknown circumstances [NTSB: ERA19WA054](#)



FY 19 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY19 U.S. Registered Accidents	Percentage of Total FY19 U.S. Registered Accidents
Airbus Helicopters	AS350 (H125)	891	7%	7	7%
	AS355	45	< 1%	1	1%
	BK117 (H145)	219	2%	1	1%
	EC120 (H120)	95	1%	1	1%
	EC130 (H130)	260	2%		
	EC135 (H135)	325	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 May 2019



FY 19 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY19 U.S. Registered Accidents	Percentage of Total FY19 U.S. Registered Accidents
Bell	206Bs	956	8%	8	8%
	206Ls	573	5%	4	4%
	212	87	1%		
	222	23	< 1%	1	1%
	407	754	6%	3	3%
	412	94	1%		
	429	95	1%		
	430	31	< 1%	1	1%

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 May 2019



FY 19 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY19 U.S. Registered Accidents	Percentage of Total FY19 U.S. Registered Accidents
Robinson	R-22	869	7%	11	11%
	R-44	1,634	13%	23	23%
	R-66	272	2%	1	1%

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*Fleet size based on analysis of rotorcraft on FAA registry as of May 2019

FY 19 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY19 U.S. Registered Accidents	Percentage of Total FY19 U.S. Registered Accidents
Sikorsky	S-76	233	2%	1	
	S-92	81	1%		1%

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*Fleet size based on analysis of rotorcraft on FAA registry as of May 2019



FY 19 - US Rotorcraft Accidents By Model

MFR	Model	Registered U.S. Fleet Size	Percentage of Total U.S. Fleet	Number of FY19 U.S. Registered Accidents	Percentage of Total FY19 U.S. Registered Accidents
Brantly	B-2	63	1%		
	280	124	1%		
	480	63	1%		
Enstrom	F28	159	1%	1	1%
	S-64E	26	< 1%	1	1%
Helicopteres Guimbal	Cabri G2	31	< 1%	4	4%
Hiller	UH-12/H-23	291	2%		
Leonardo (formerly Agusta Westland)	A109	167	1%	2	2%
	A119	93	1%		
	AW139	122	1%	1	1%
MDDHI	369	726	6%	8	8%
Restricted Category (all TCS)	HH-1/TH-1/UH-1	546	4%	3	3%
	H-19	61	< 1%	1	1%
	OH-58	414	3%	5	5%
Schweizer Rotorcraft Services Group	269/300/TH-55	419	3%	4	4%
Scott's Bell	47	597	5%	6	6%

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*Fleet size based on analysis of rotorcraft on FAA registry as of May 2019



U.S. Helicopter Safety Team (USHST) Fatal Accident Rate (Jan - Jul 2019)

