



2023 MID-Year Accident Update

Performance at 30th June
2023



MID-Year 2023 Accidents

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2023 Mid-Year Accidents



Accidents Overview

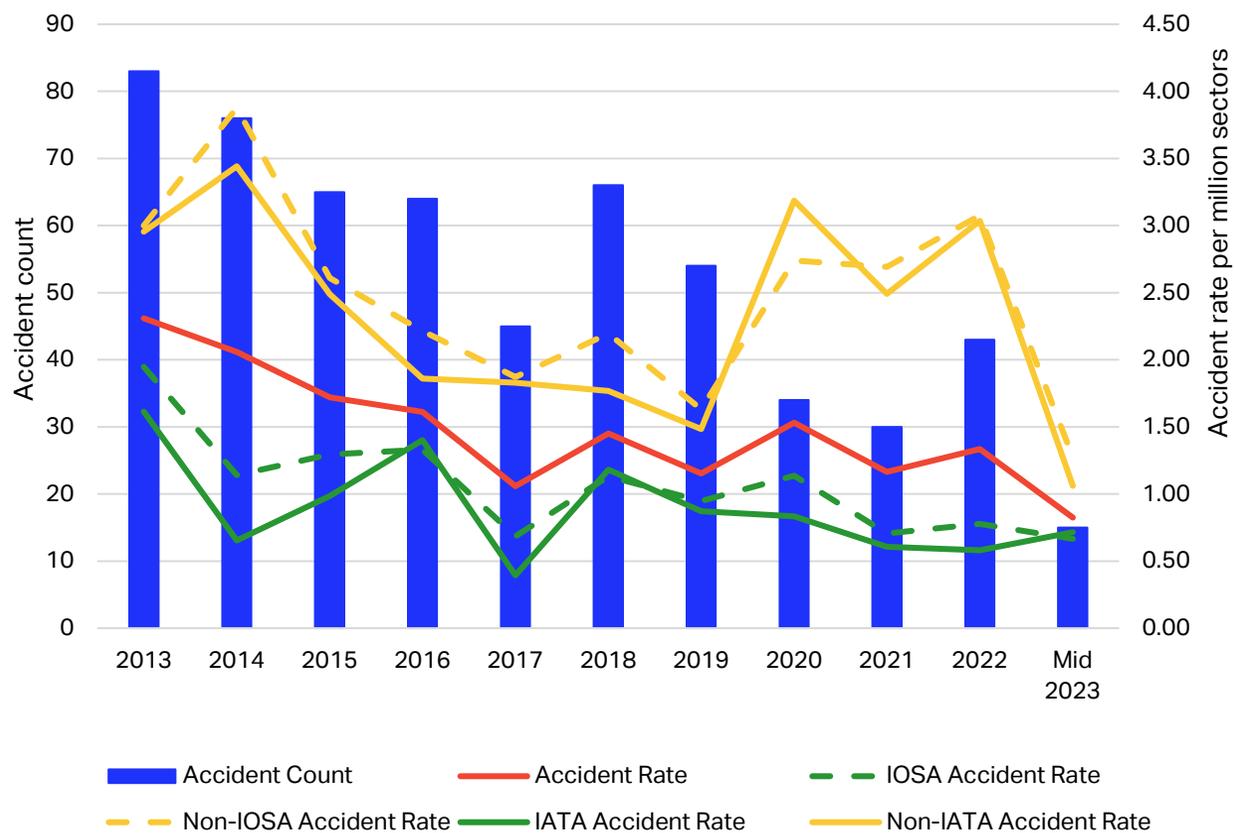
	2020	2021	2022	Mid Year 2023	5-Year Average (2018-2022)
Accident Count	34	30	43	15	45
Accident Rate	1.53	1.17	1.33	0.82	1.33
Jet Hull Losses	3	3	7	0	5
Turboprop Hull Losses	4	5	6	1	5
Fatal Accidents	4	7	5	1	7
Fatalities on-Board	125	121	158	72	231
Fatality Risk	0.09	0.23	0.11	0.05	0.13
IATA Members	13	11	13	9	18
IOSA Carriers	19	14	19	9	24
Sectors - per million sectors	22.2	25.7	32.2	18.2	34.5



Industry Accident Rate

Accidents per million sectors

Industry Accident Rate

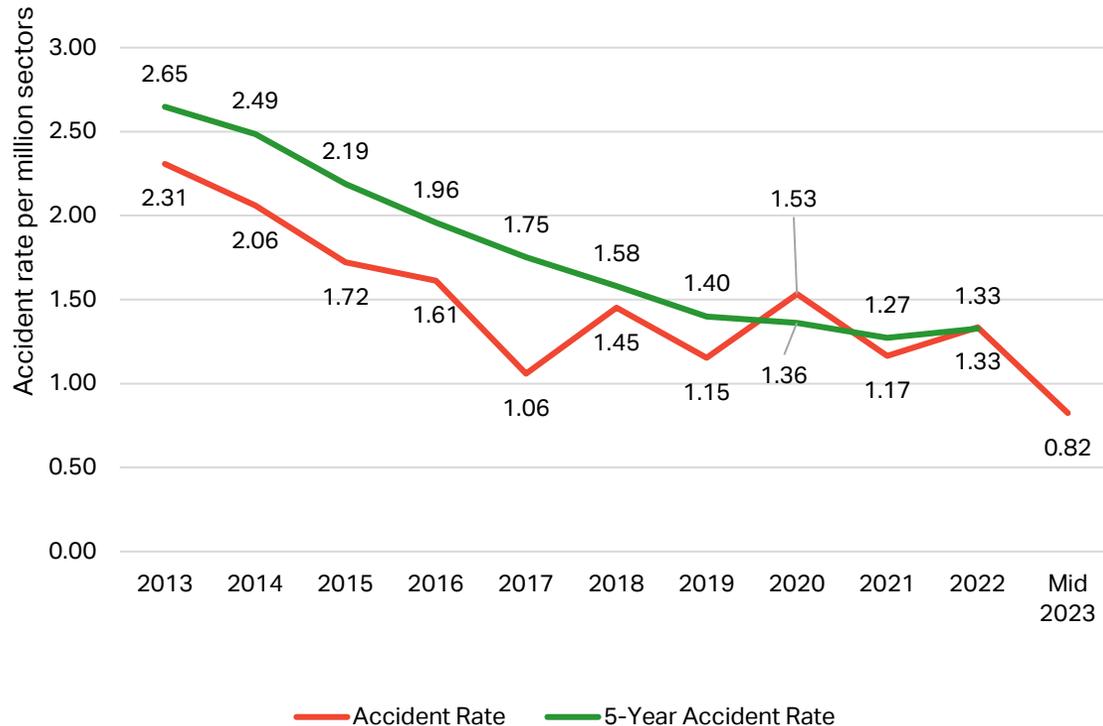


- There are 15 accidents reported in the First Half of 2023
 - The industry accident rate is 0.82 accidents per million sectors
 - The accident rate for IOSA-registered carriers is lower than that for non-IOSA carriers (0.67 vs 1.27) and is below the mid-year 2023 industry accident rate of 0.82.

Longer Term View

Accidents per million sectors

Accident Rate Vs. 5-Year Average

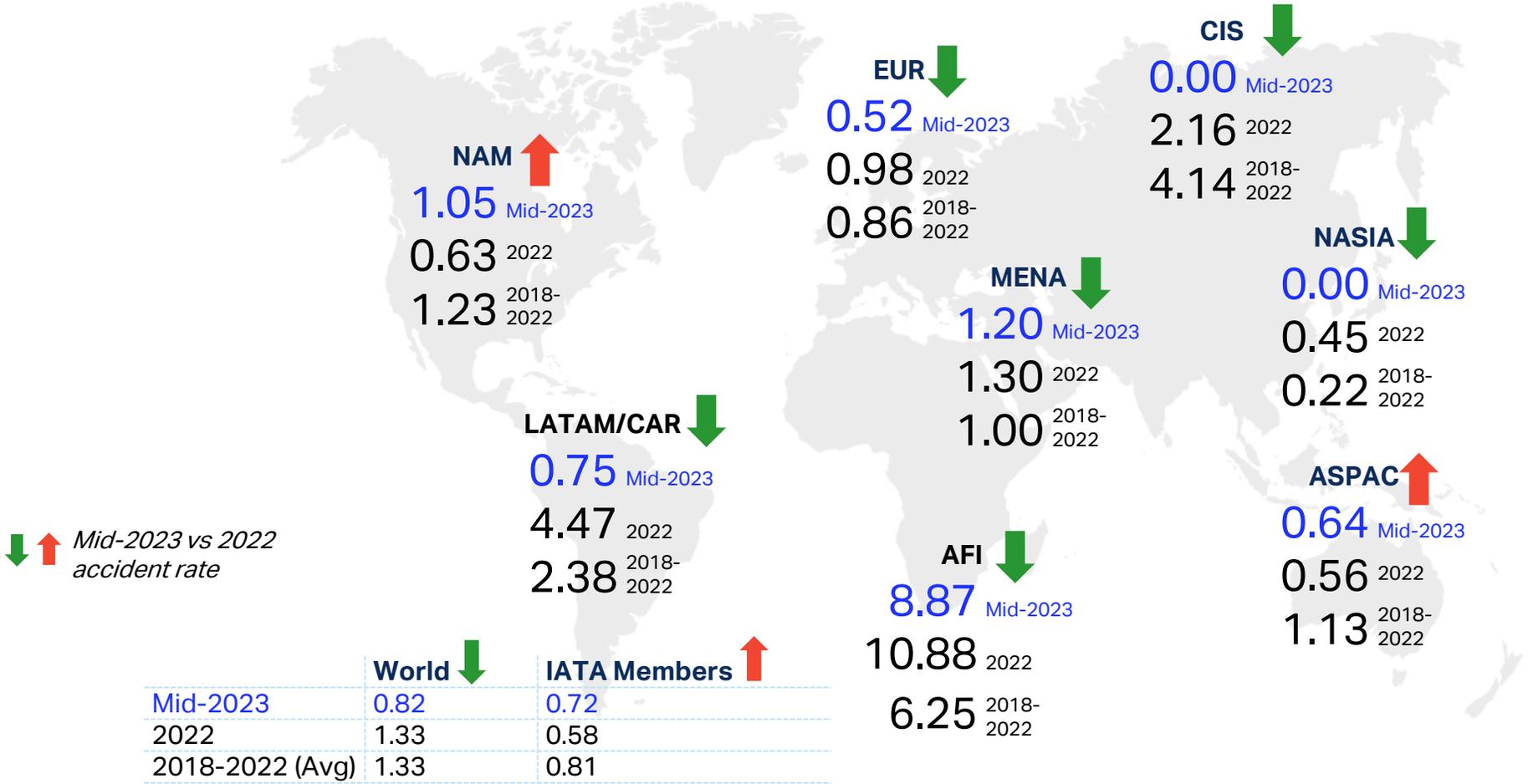


Rolling Average

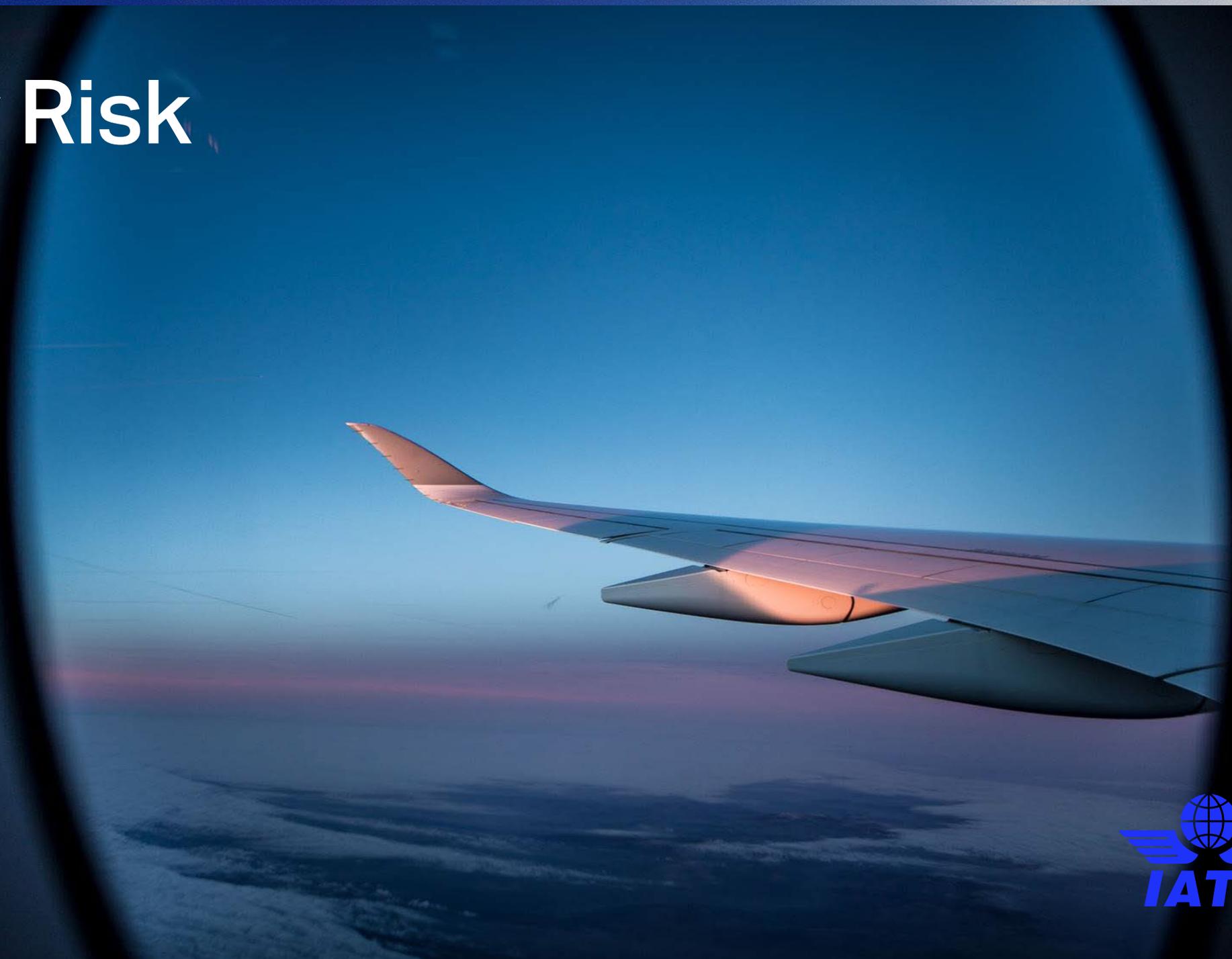
- The 5-year rolling average is calculated until 2022 with an average of 1.33 accidents per million sectors for 2018-2022.
- The rolling average for 2019-2023 will be calculated at the end of this year.

All Accident Rate per Region of Operator

2 regions witness an increase in the accident rate per million sectors

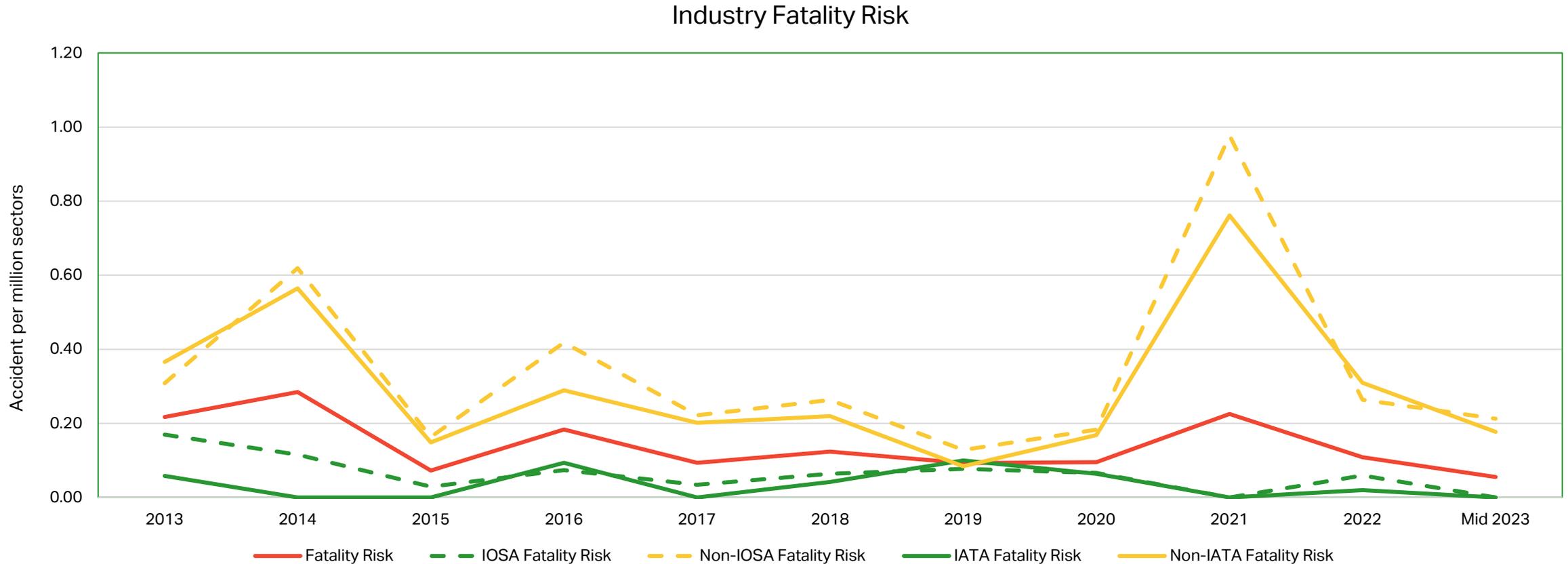


Fatality Risk



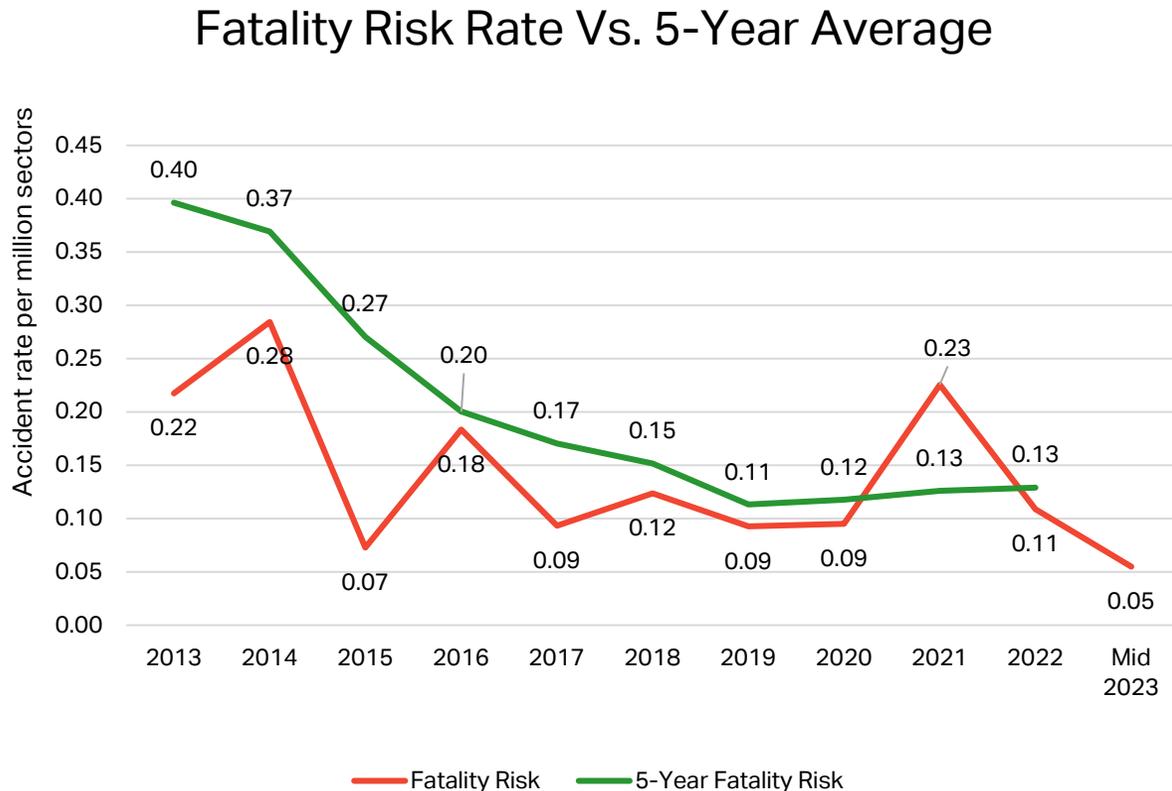
Industry Fatality Risk

Accidents per million sectors



Industry Fatality Risk Vs. 5-Year Rolling Average

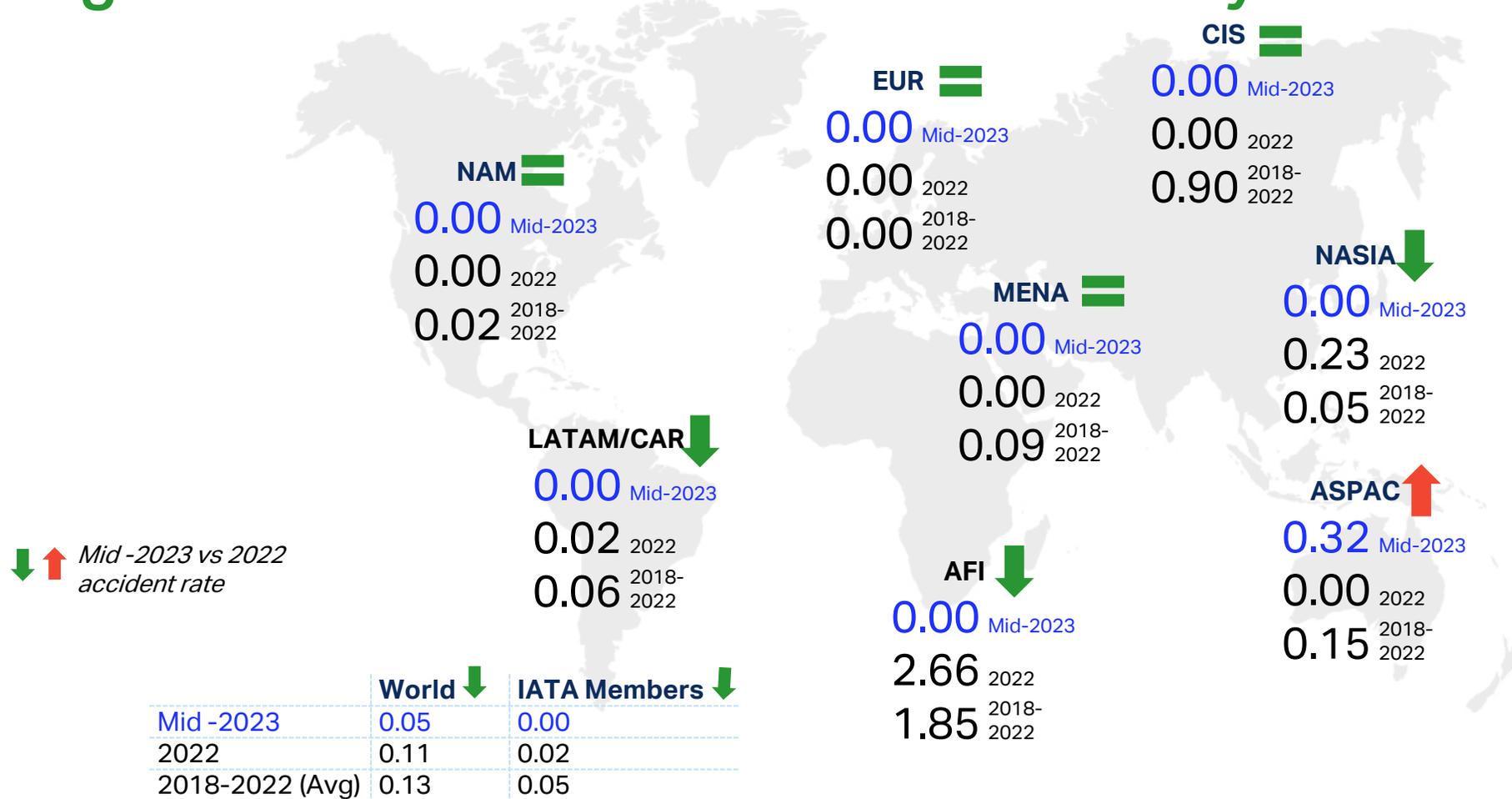
Accidents per million sectors



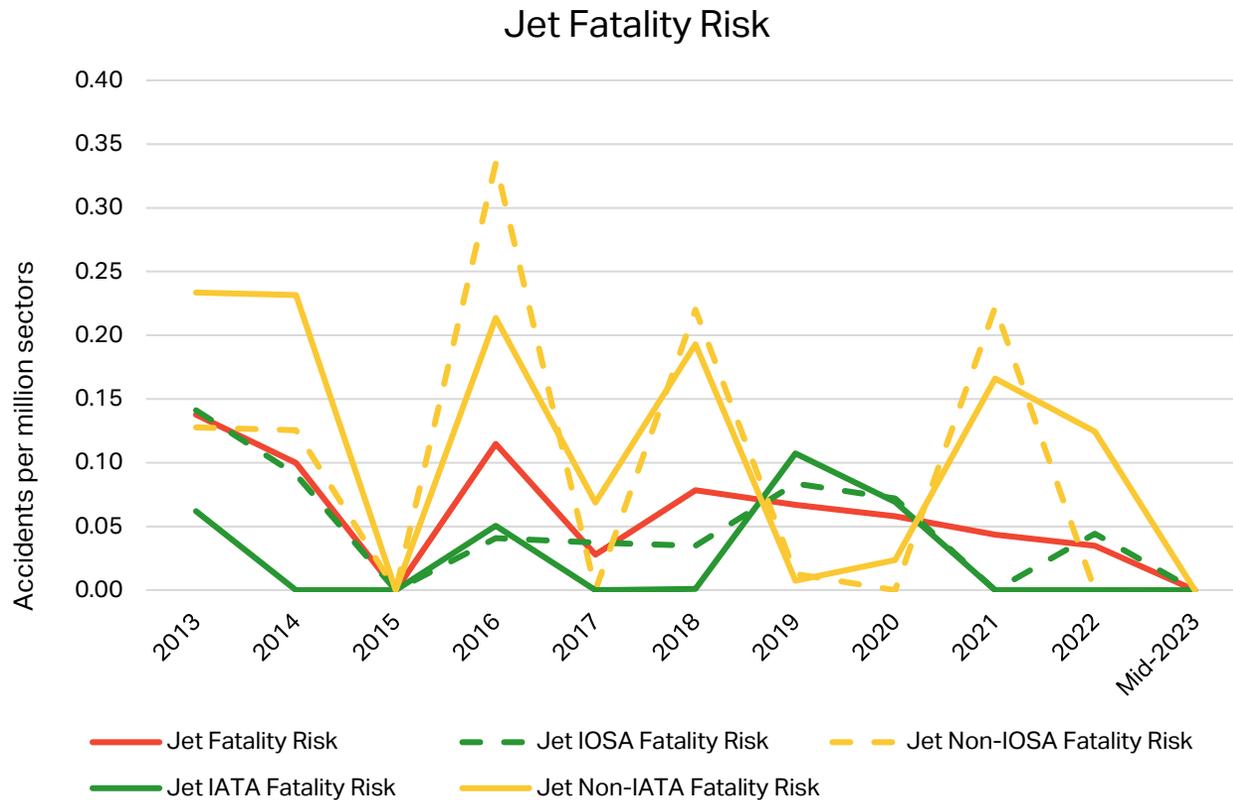
- The 5-year Fatality Risk rolling average is calculated until 2022 with an average of 0.13 accidents per million sectors for 2018-2022.
- The Fatality Risk rolling average for 2019-2023 will be calculated at the end of this year.

Industry Fatality Risk per Region of Operator

1 Region has seen an increase in the Fatality Risk



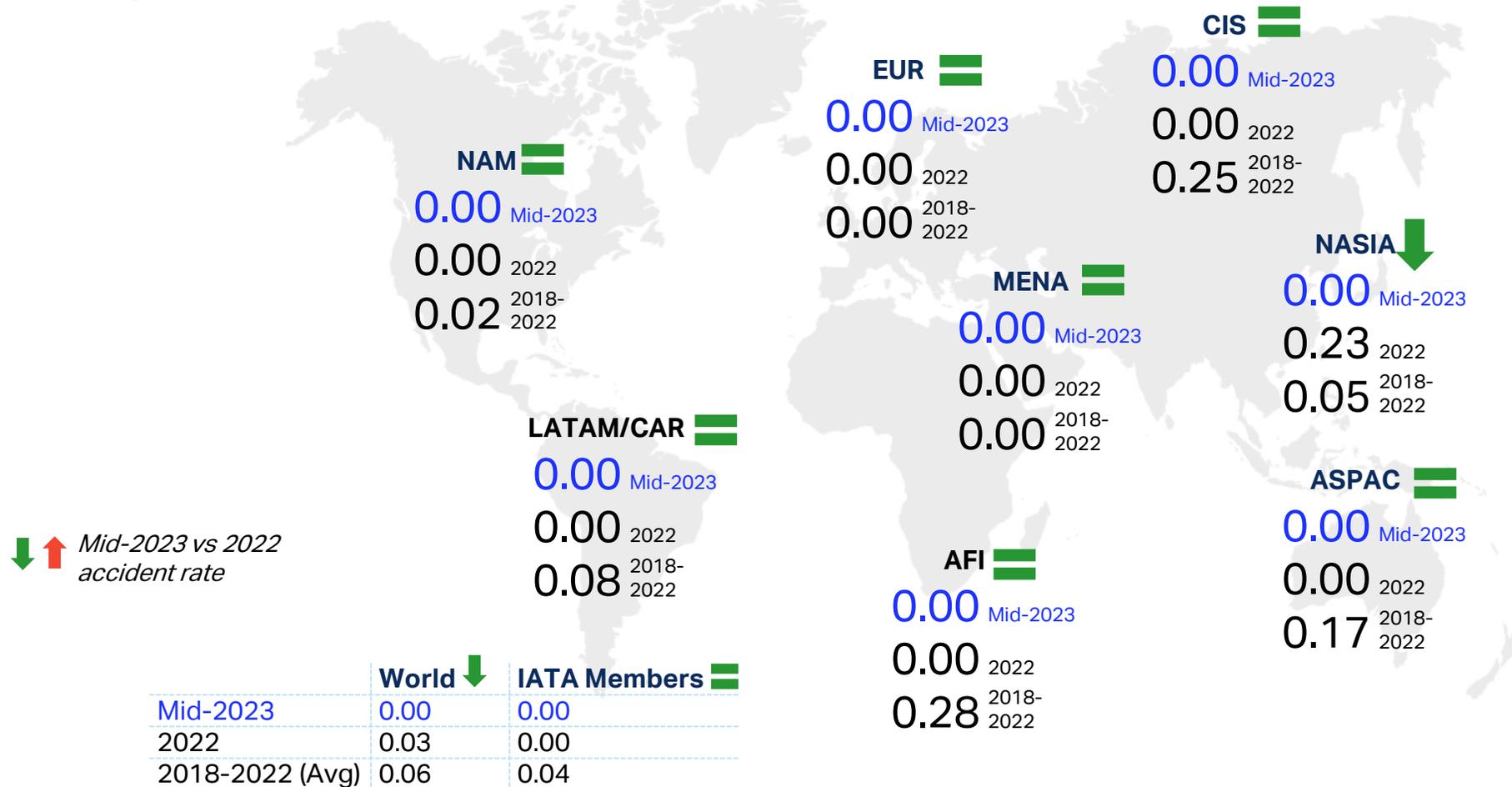
Industry Jet Fatality Risk



- No fatal accidents for the jet fleet is reported in the first half of 2023.
 - Therefore, the mid-year 2023 jet fatality risk reported across all categories is 0.00 accidents per million sectors

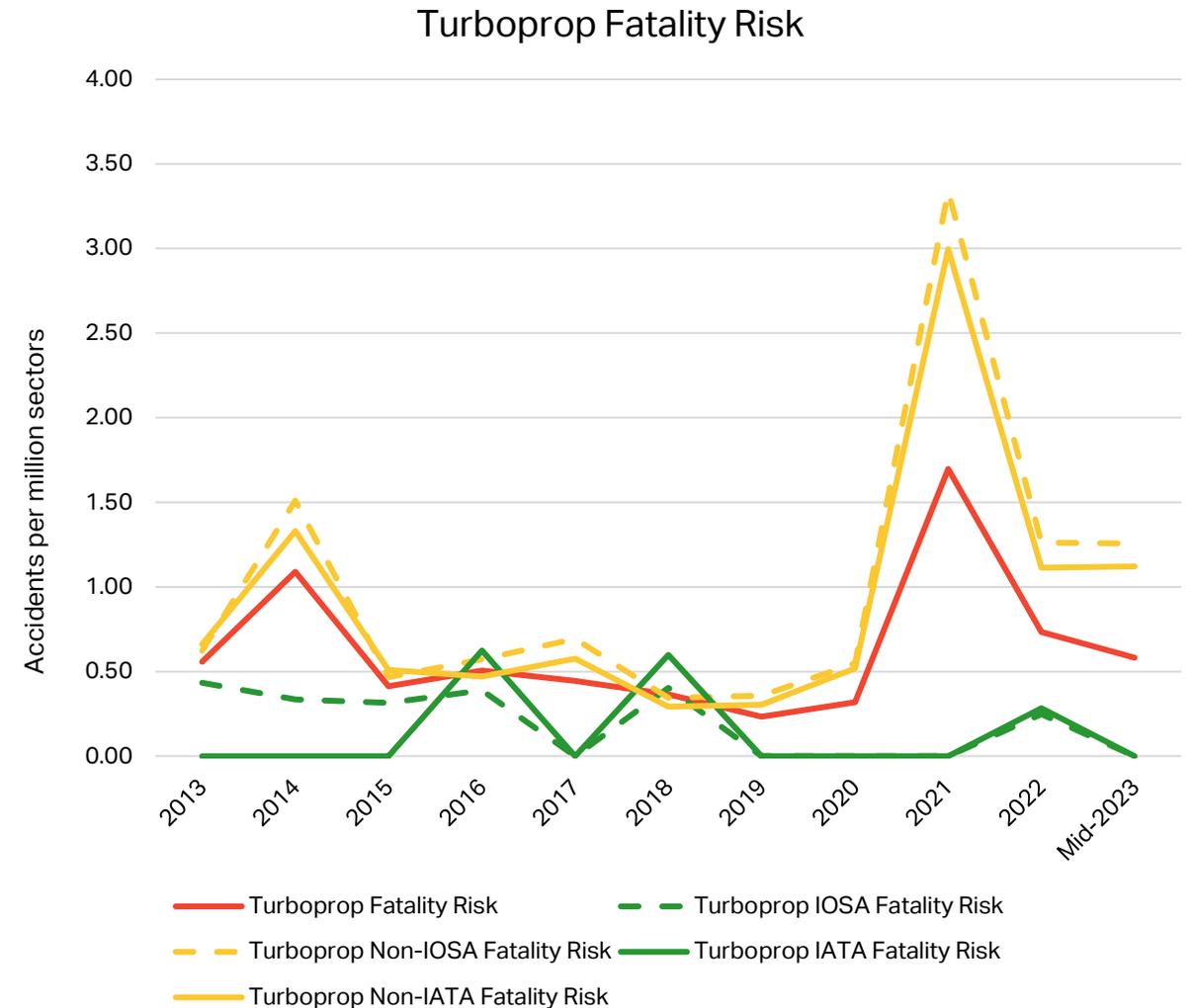
Jet Fatality Risk per Region of Operator

All Regions have Zero Fatality Risk



- The mid-year 2023 fatality risk reported for turboprop is 0.58 per million sectors
 - Zero for IATA Members and IOSA carriers

Turboprop Fatality Risk

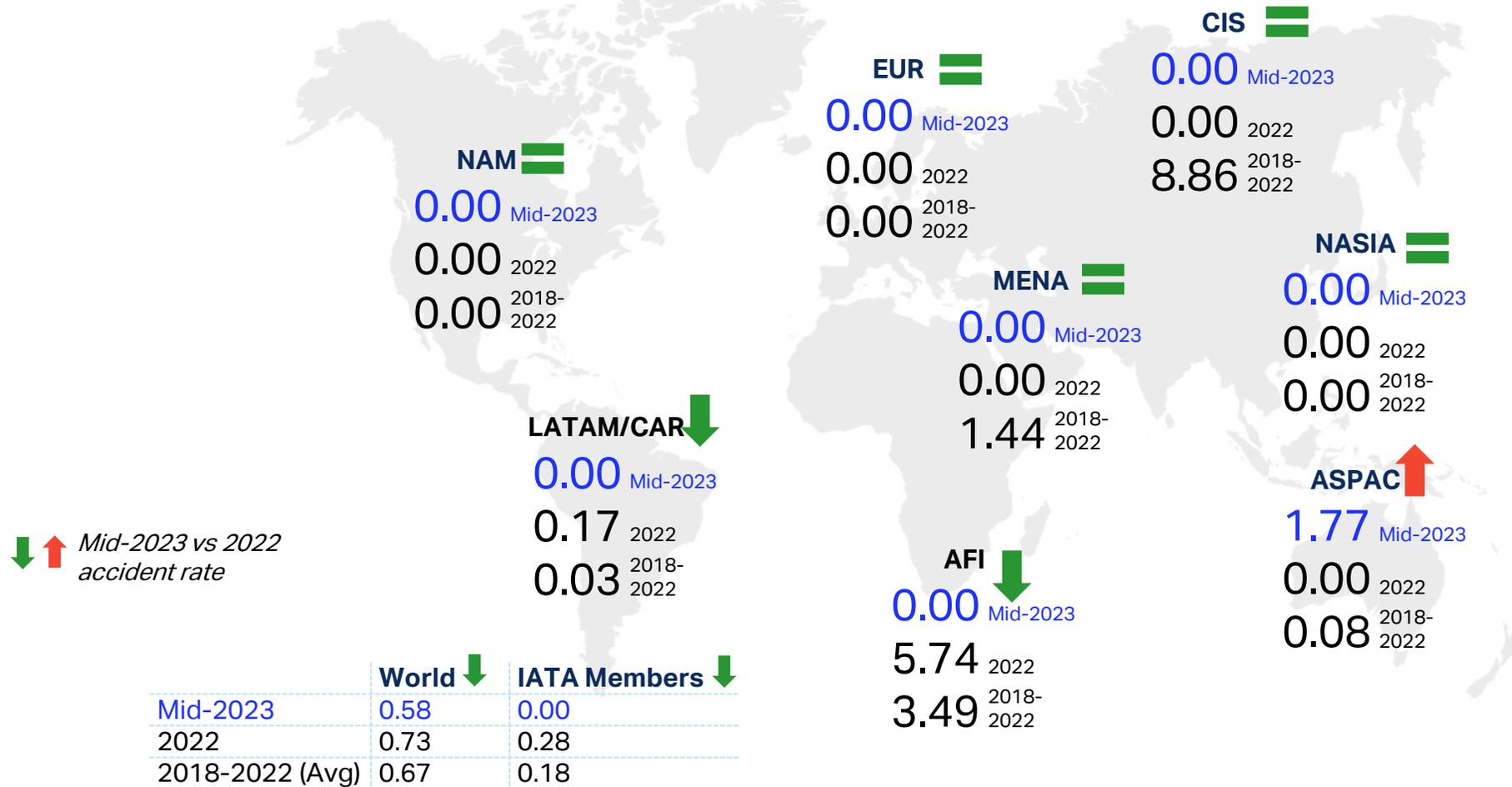


Source: IATA Safety report – Mid-Year 2023



Turboprop Fatality Risk per Region of Operator

7 Regions have Zero Fatality Risk



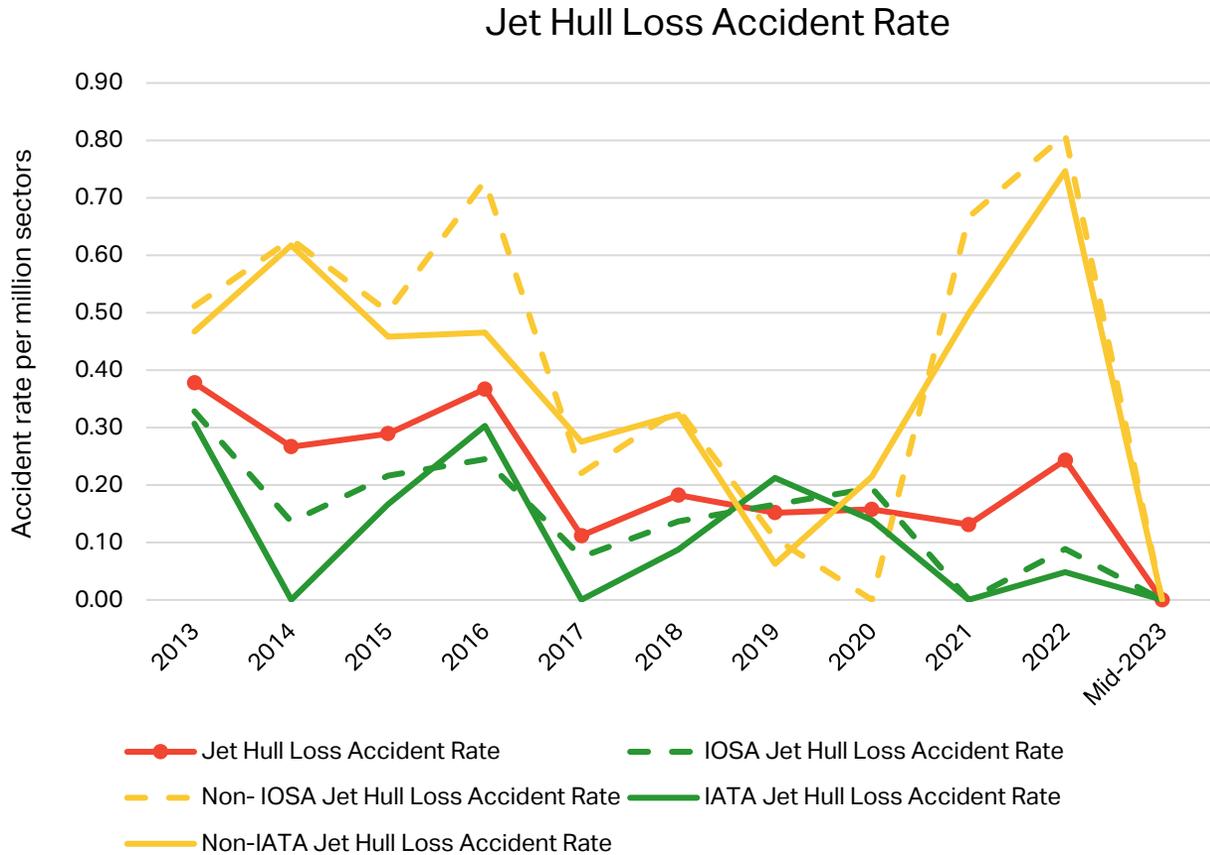
Jet and Turboprop Hull Losses



Jet Hull Loss Accident Rate

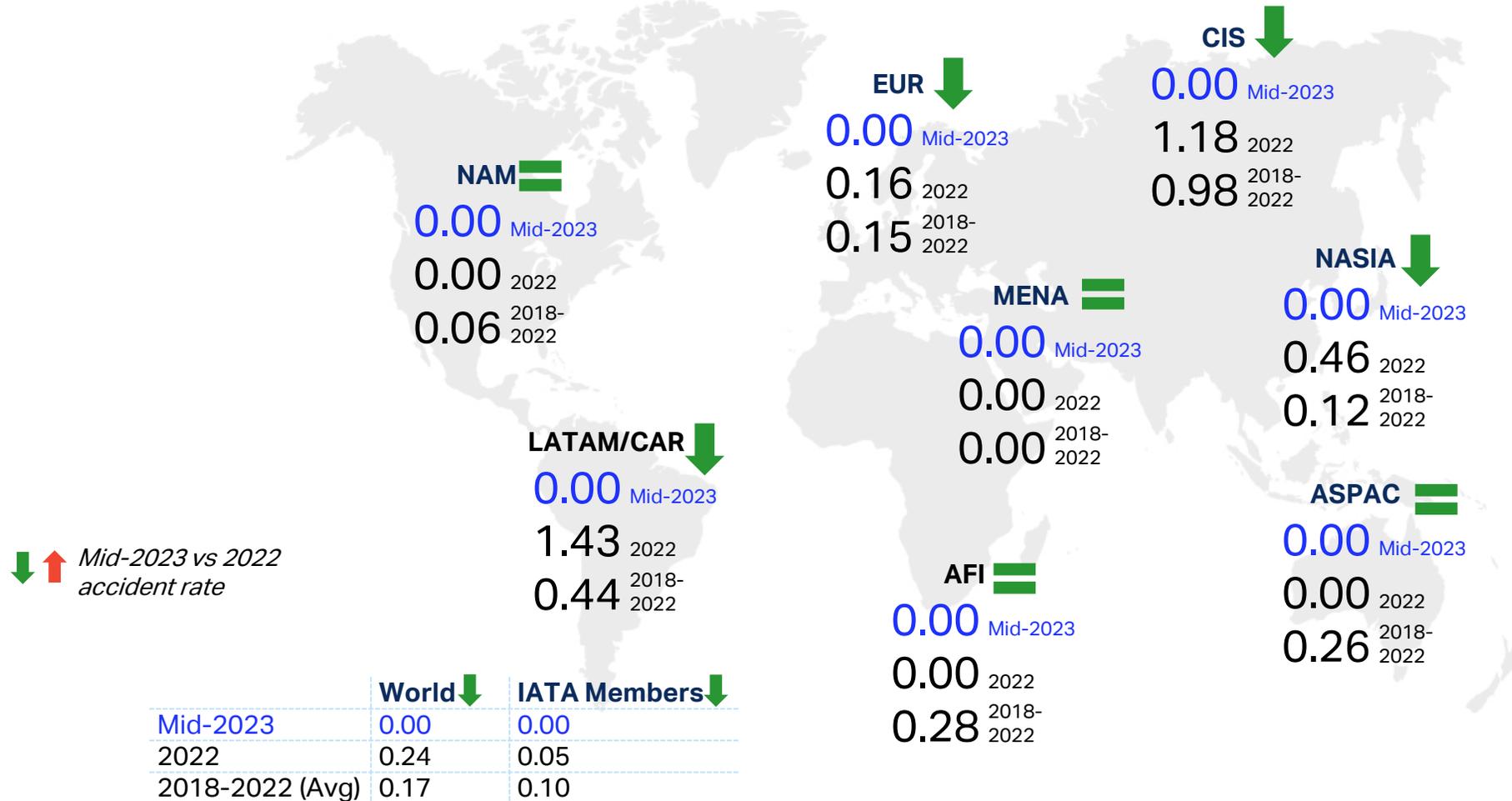
All Accidents per million sectors

- There are no Jet Hull Loss accidents in the first half of 2023



Jet Hull Loss per Region of Operator

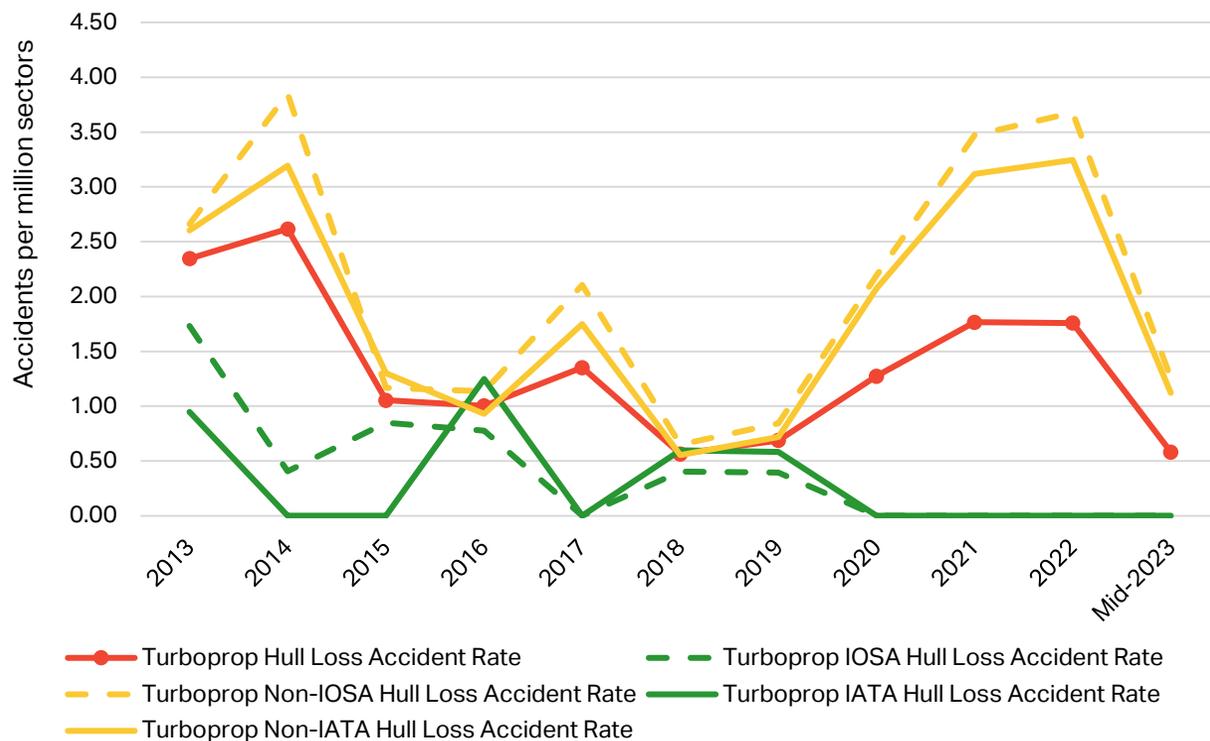
Jet hull loss accident rate is lower or the same in all 8 Regions



Turboprop Hull Loss Accident Rate

All Accidents per million sectors

Turboprop Hull Loss Accident Rate

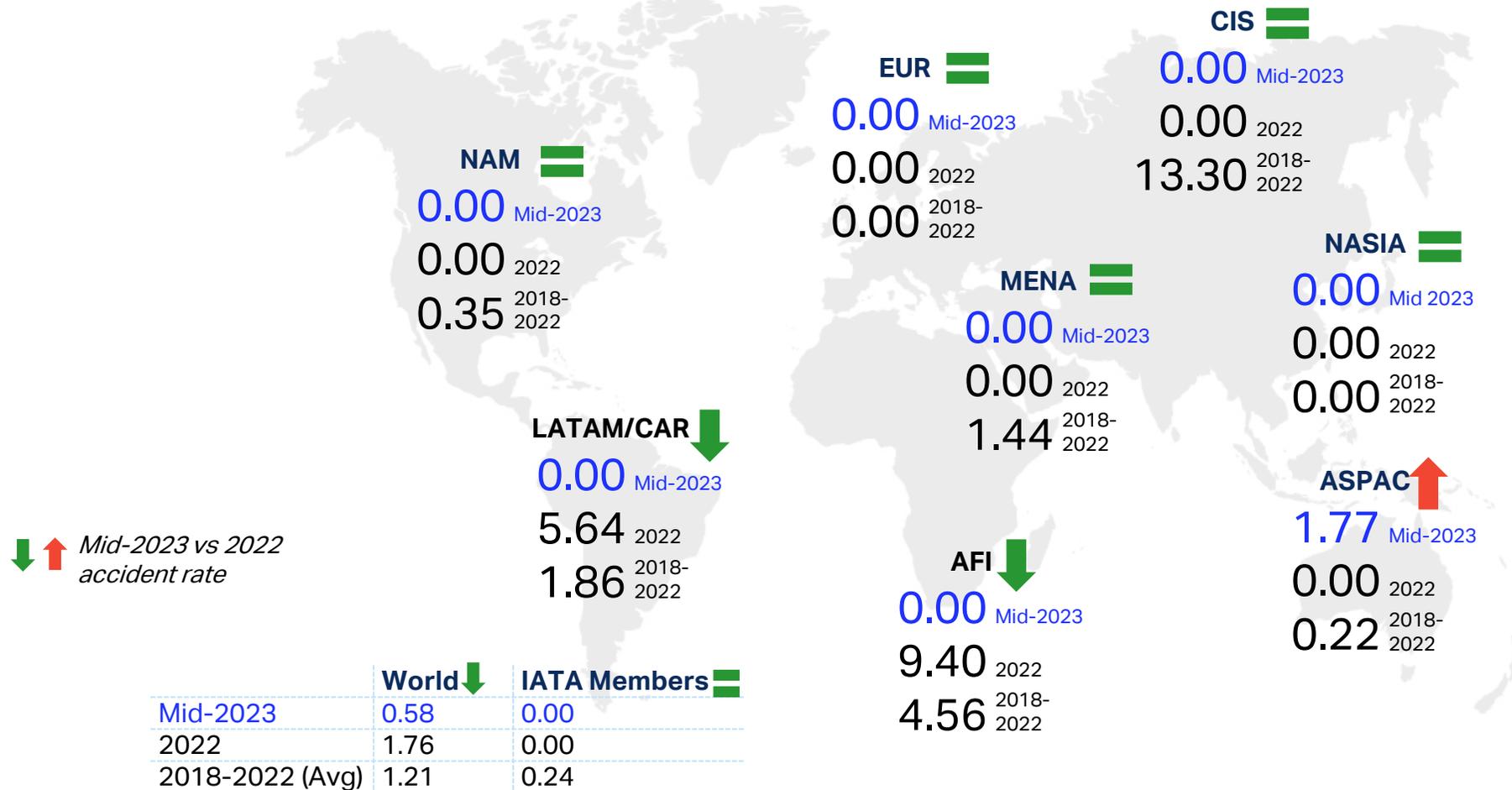


- The mid-year 2023 turboprop hull loss accident rate is 0.58 accidents per million sectors
 - Zero for IATA Members and IOSA carriers



Turboprop Hull Loss per Region of Operator

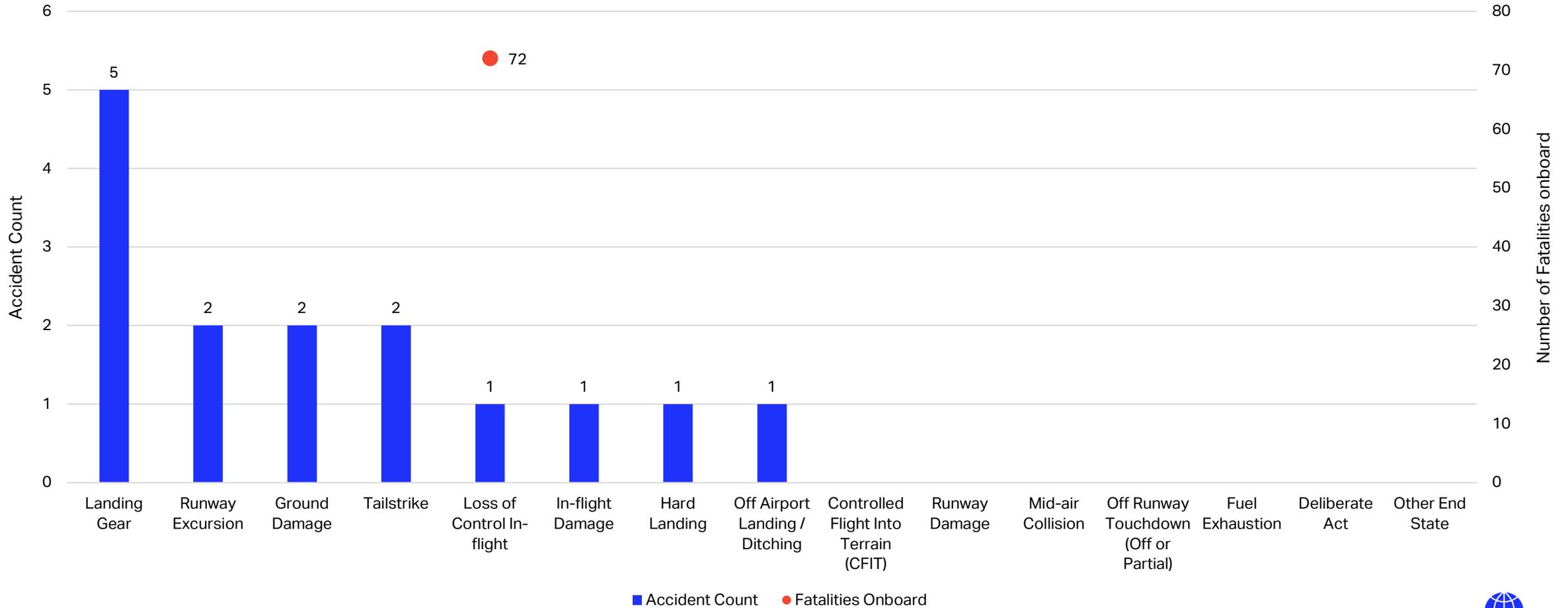
Turboprop hull loss accident rate is lower or the same in 7/8 Regions





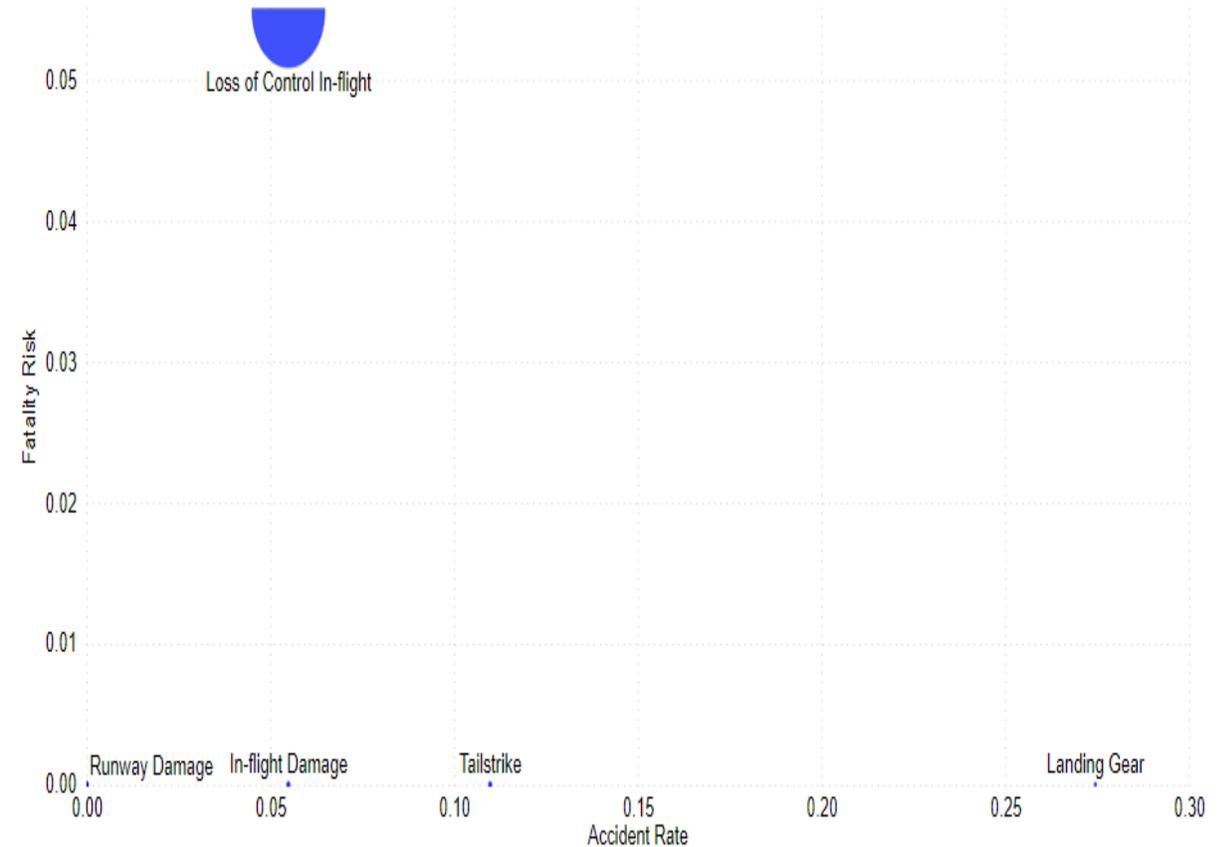
Industry Accident Count per Accident Category

Mid-Year 2023 Accidents and Fatalities



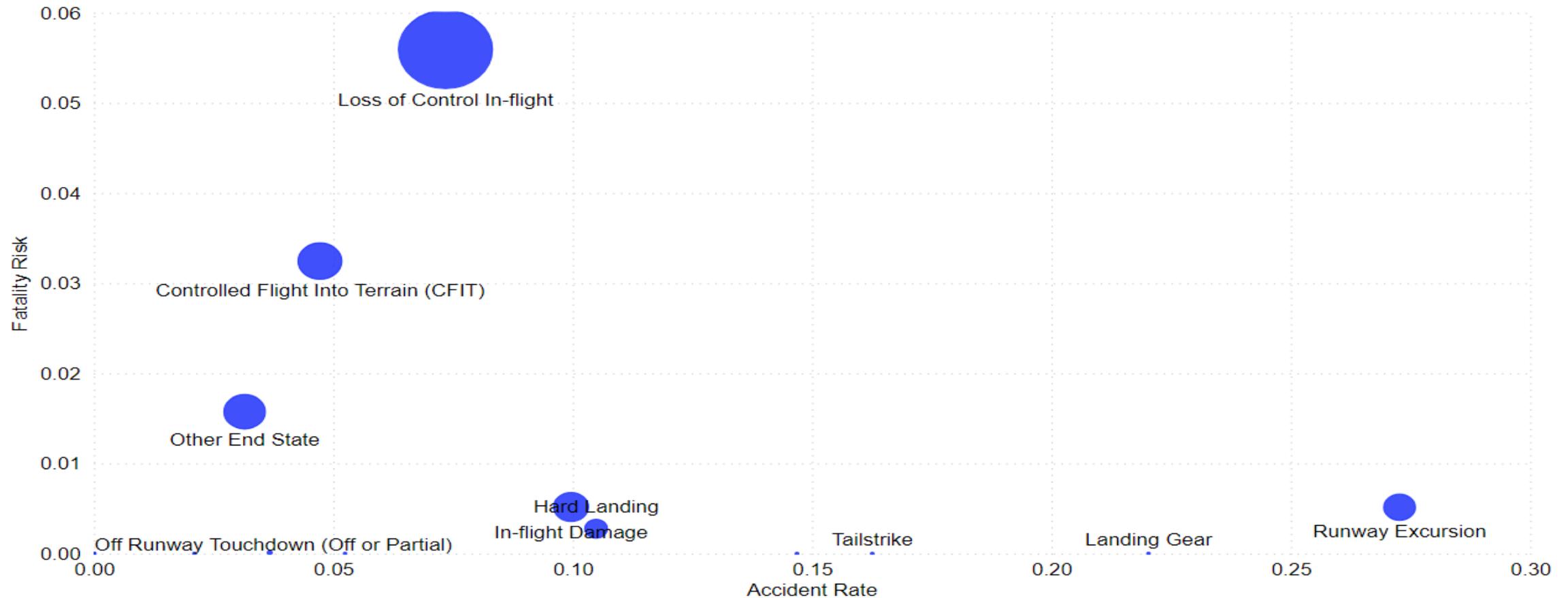
Fatality Risk by Accident Category – Mid-2023

- In mid-2023, one fatal accident is reported and classified as LOC-I.



Fatality Risk by Accident Category – 2018-2023

LOC-I caused the highest fatalities during this period

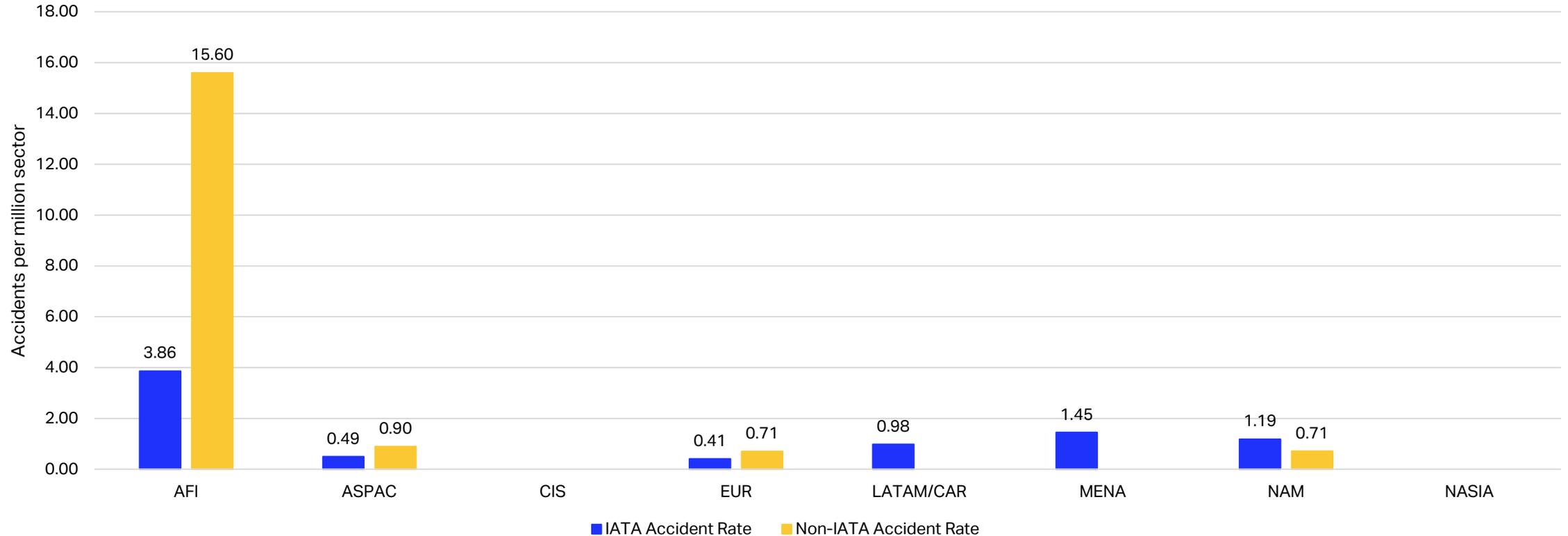


IATA / IOSA Accidents



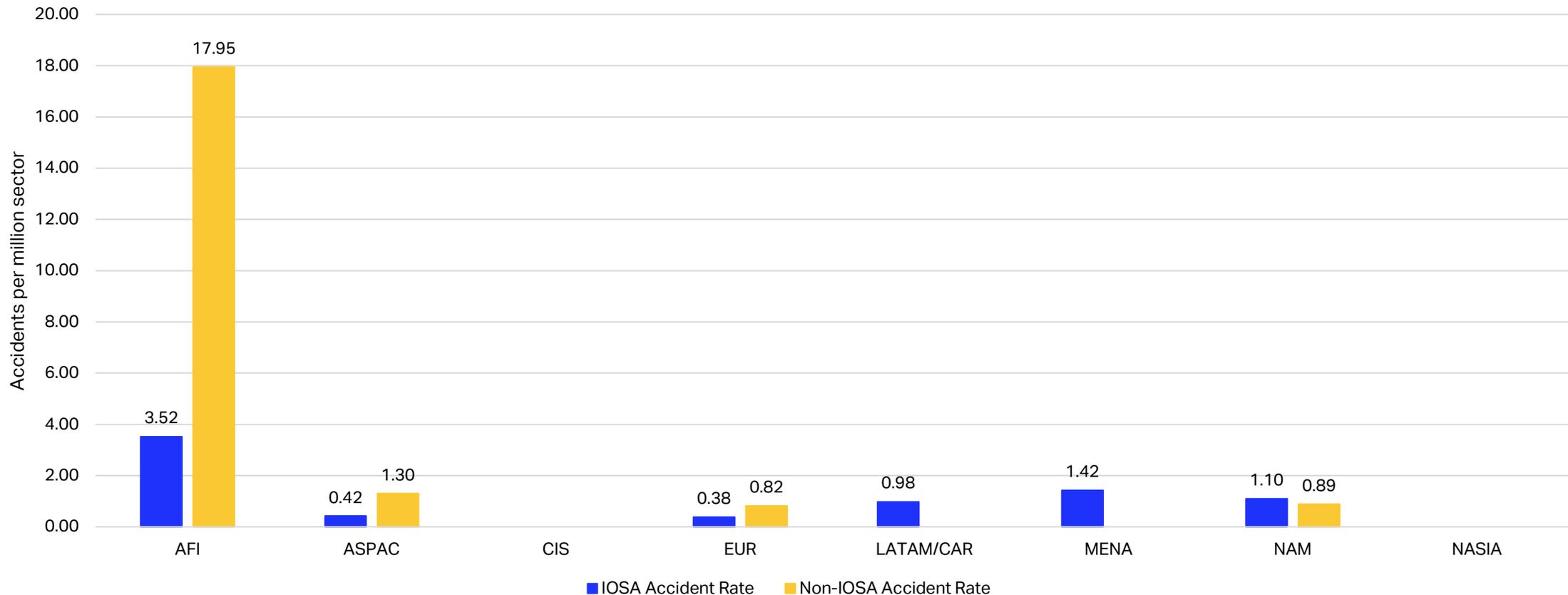
Industry Accident Rate for IATA Vs. Non-IATA

Mid-Year 2023 IATA vs. Non-IATA



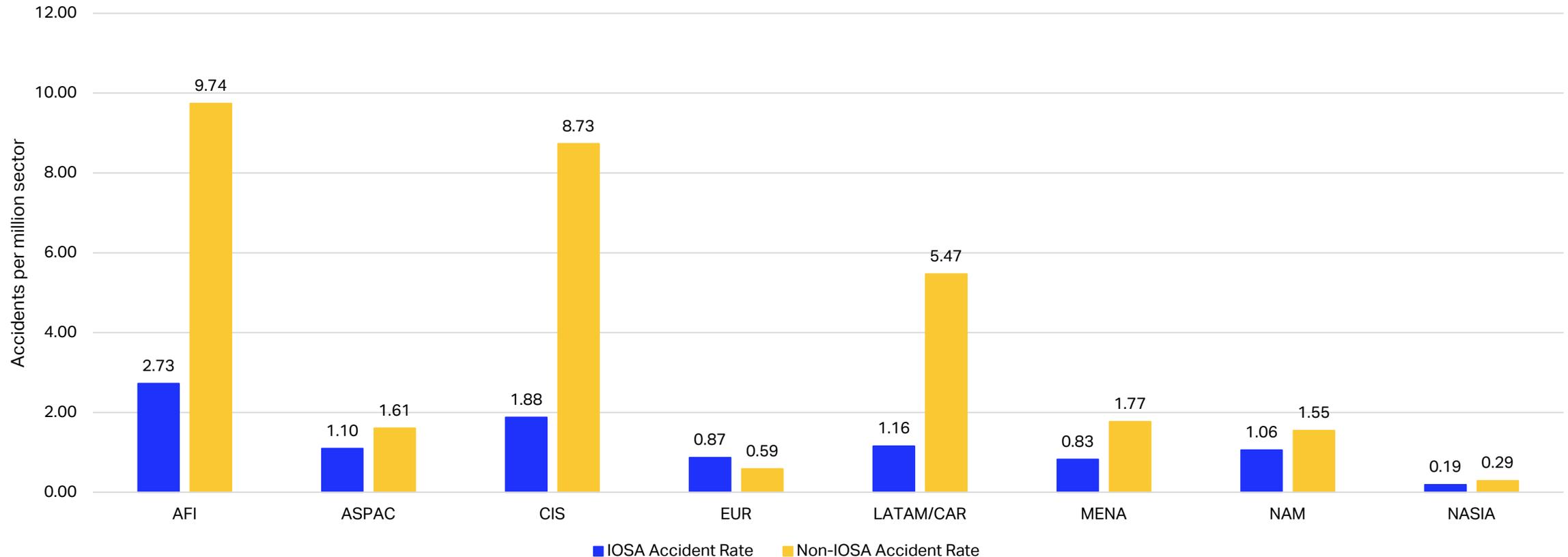
Industry Accident Rate for IOSA Vs. Non-IOSA

Mid-Year 2023 IOSA vs. Non-IOSA



Industry Accident Rate for IOSA Vs. Non-IOSA

2018 - 2023 IOSA vs. Non-IOSA



List of Mid-Year 2023 Accidents



List of Mid-2023 Accidents

Accident Date	Operator Name	Region of Operator	Aircraft Model	Engine Type	Service Type	Severity	Fatalities IATA Onboard	IOSA	End State
June 28, 2023	Delta Airlines, INC.	NAM	B717-200	Jet	Passenger	Substantial Damage	0 Yes	Yes	Landing Gear
May 31, 2023	Private Airline Services LTD	AFI	ERJ145	Jet	Passenger	Substantial Damage	0 No	No	Runway Excursion
May 14, 2023	Cargolux Airlines International S.A	EUR	B747-400	Jet	Cargo	Substantial Damage	0 Yes	Yes	Landing Gear
May 13, 2023	Jetblue Airways Corporation	NAM	E190	Jet	Unknown	Substantial Damage	0 Yes	Yes	In-flight Damage
May 6, 2023	UPS	NAM	B747-400	Jet	Cargo	Substantial Damage	0 Yes	Yes	Hard Landing
April 16, 2023	Transportes Aereos Guatemaltecos SA	LATAM/CAR	Saab 340	Turboprop	Passenger	Substantial Damage	0 Yes	Yes	Landing Gear
April 13, 2023	Emirates	MENA	B777-300	Jet	Passenger	Substantial Damage	0 Yes	Yes	Ground Damage
April 11, 2023	Air Kasai	AFI	An-26	Turboprop	Cargo	Substantial Damage	0 No	No	Runway Excursion
April 9, 2023	Ryanair Ltd.	EUR	B737-800	Jet	Passenger	Substantial Damage	0 No	No	Landing Gear
March 22, 2023	United Airlines	NAM	A320	Jet	Passenger	Substantial Damage	0 Yes	Yes	Tailstrike
February 9, 2023	Allied Air Limited	AFI	B737-400	Jet	Cargo	Substantial Damage	0 Yes	Yes	Landing Gear
January 27, 2023	Fly Air Africa Aviation	AFI	Let L-410	Turboprop	Passenger	Substantial Damage	0 No	No	Off Airport Landing / Ditching
January 15, 2023	Yeti Airlines Domestic Pvt. Ltd.	ASPAC	ATR 72	Turboprop	Passenger	Hull loss	72 No	No	Loss of Control In-flight
January 2, 2023	Interglobe Aviation Ltd. dba IndiGo	ASPAC	A321neo	Jet	Passenger	Substantial Damage	0 Yes	Yes	Tailstrike
January 1, 2023	Flair Airlines Ltd.	NAM	B737 Max-8	Jet	Passenger	Substantial Damage	0 No	No	Ground Damage

2018-2022

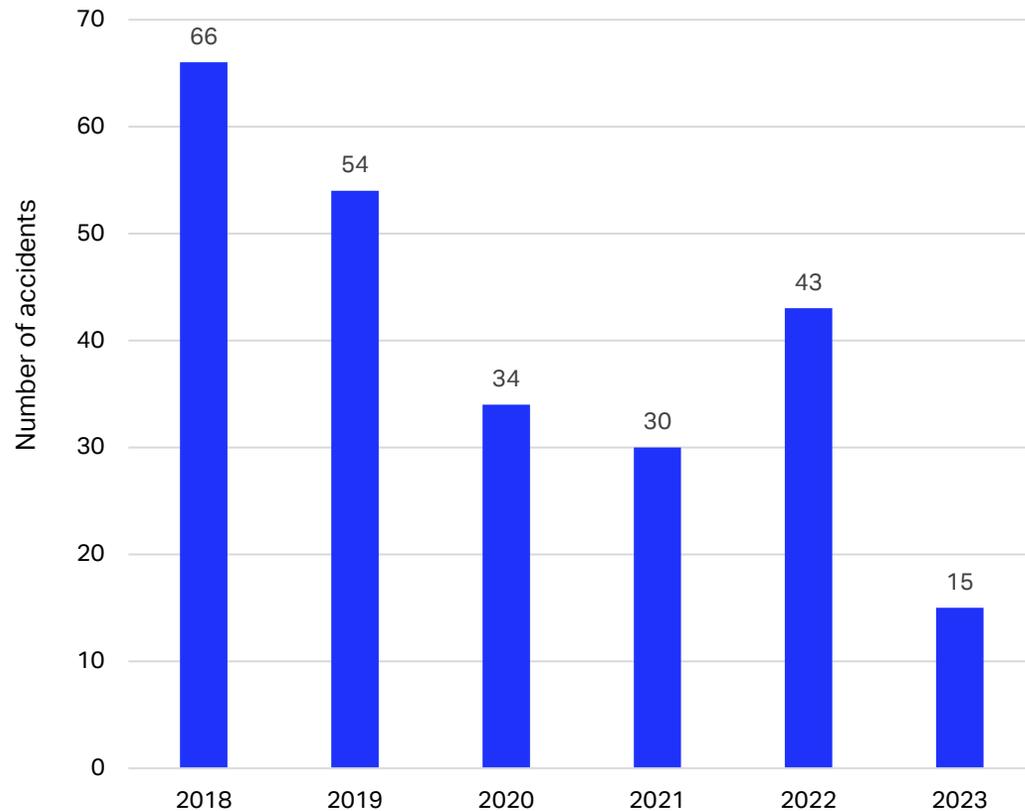
Accident Investigation Final Reports



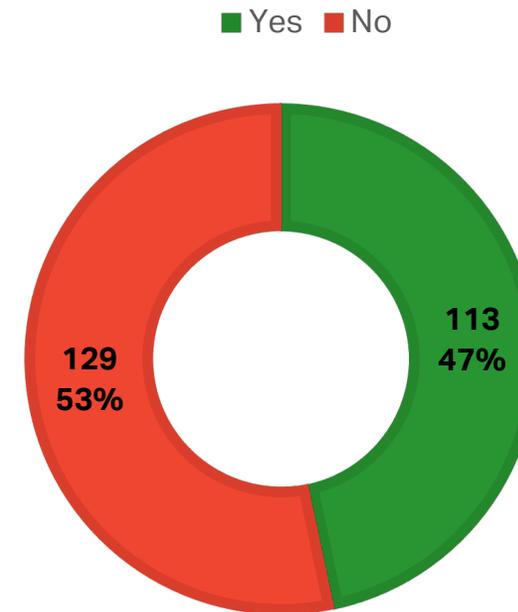
Accidents and Investigation Final Reports Status

47% of the accidents have a Final Report published

Number of Accidents per Year

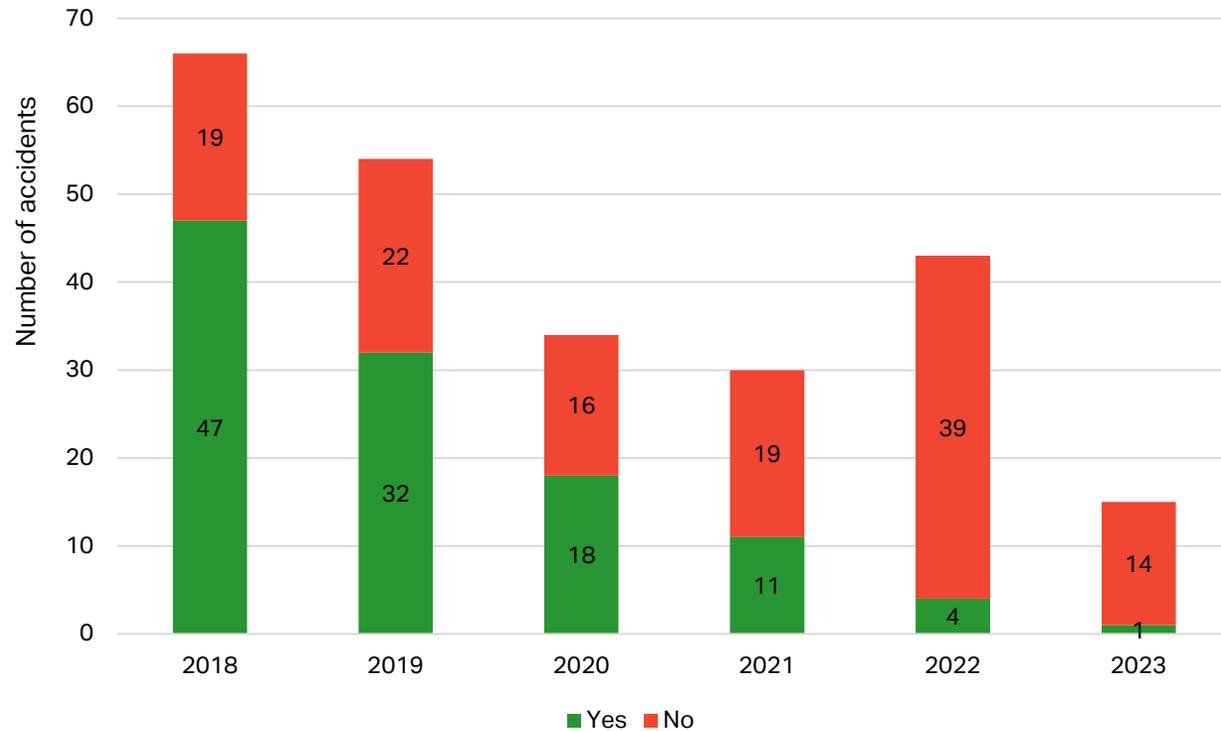


Investigation Reports

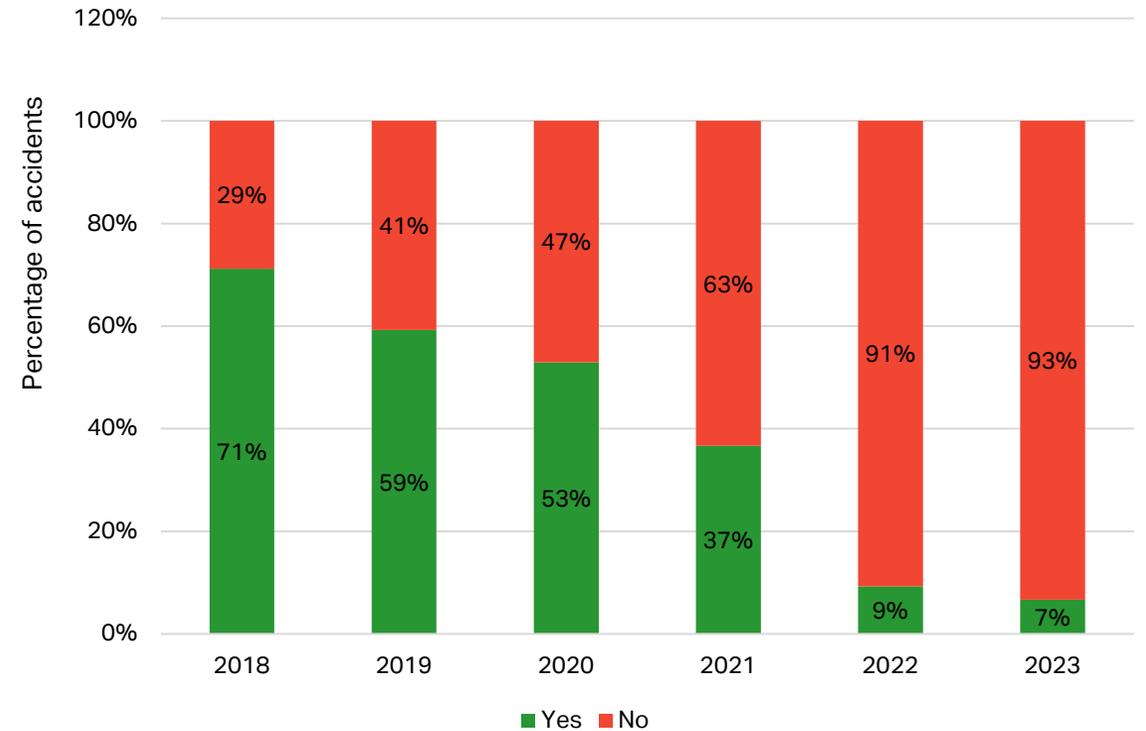


Status of Accident Investigation Final Reports

Status of Accident Investigation Final Reports per Year (Count)

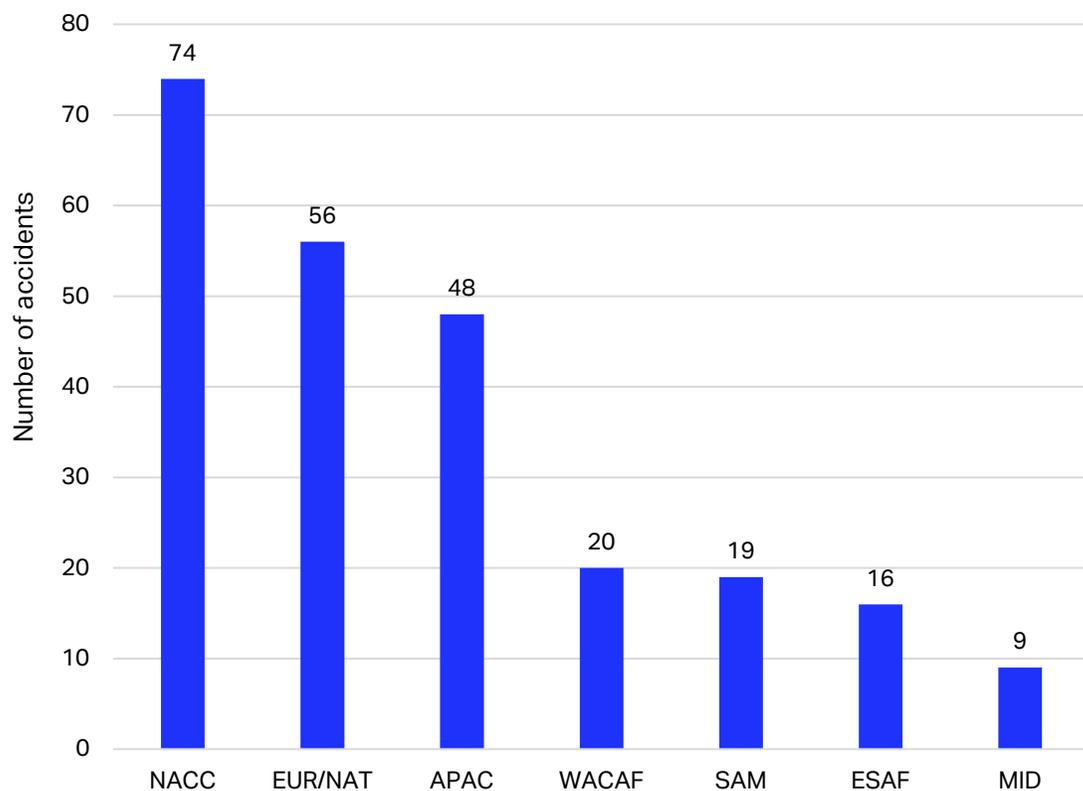


Status of Accident Investigation Final Reports per Year (Percentage)

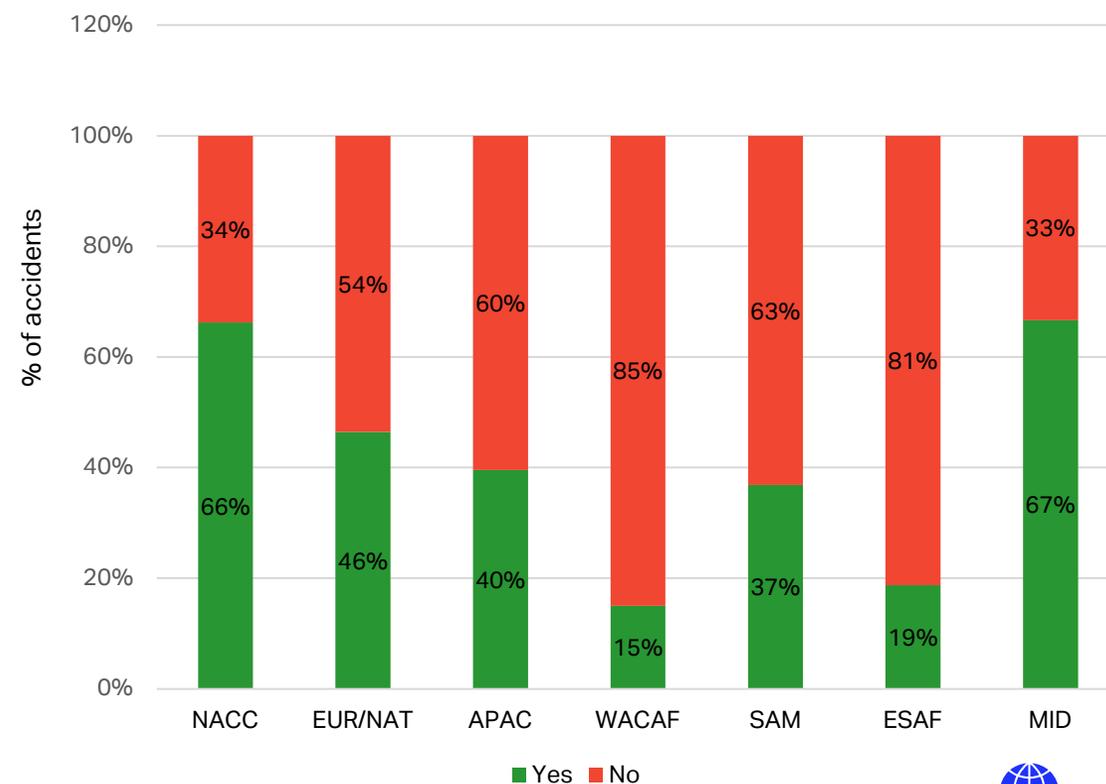


Accident Investigation Final Reports per Region of Occurrence

Number of Accidents per Region of Occurrence



Status of Investigation Reports per Region of Occurrence



For further inquiries, please feel free to contact Safety@iata.org

