

2023 Full Year Accident Update

Performance at
31st December 2023

Celebrating 60 years of the
IATA Annual Safety Report

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2023 Accidents

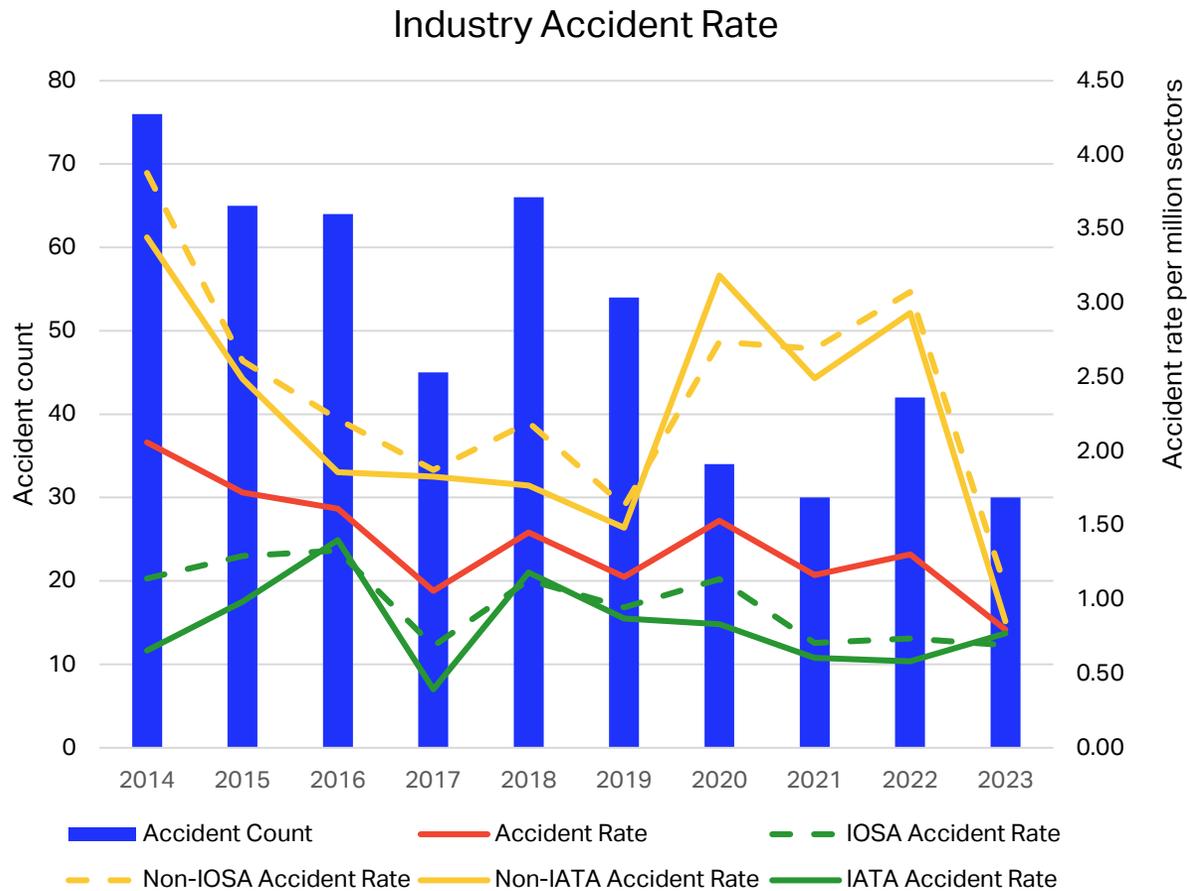


Accidents Overview

	2021	2022	2023	5-Year Average
Accident Count	30	42	30	38
Accident Rate	1.17	1.30	0.80	1.19
Jet Hull Losses	3	7	0	4
Turboprop Hull Losses	5	6	2	4
Fatal Accidents	7	5	1	5
Fatalities on-Board	121	158	72	143
Fatality Risk	0.23	0.11	0.03	0.11
IATA Members	11	13	20	16
IOSA Carriers	14	18	19	20
Sectors – in millions	25.8	32.2	37.7	32.9

Industry Accident Rate

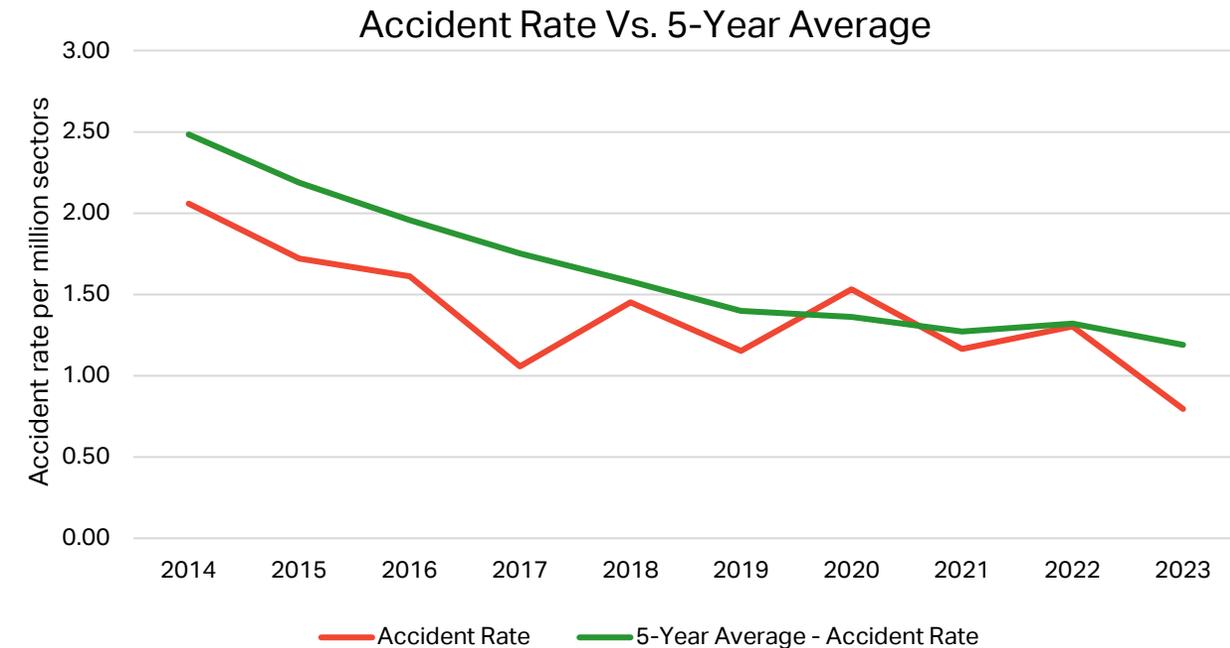
All accidents per million sectors



- The industry accident rate went from 1.30 in 2022 down to 0.80 accidents per million sectors in 2023.
- The 2023 industry accident rate of 0.80 reached its lowest point in over a decade.
- The accident rate for IOSA-registered carriers in 2023 was lower than that for non-IOSA carriers (0.69 vs 1.08).

Longer Term View

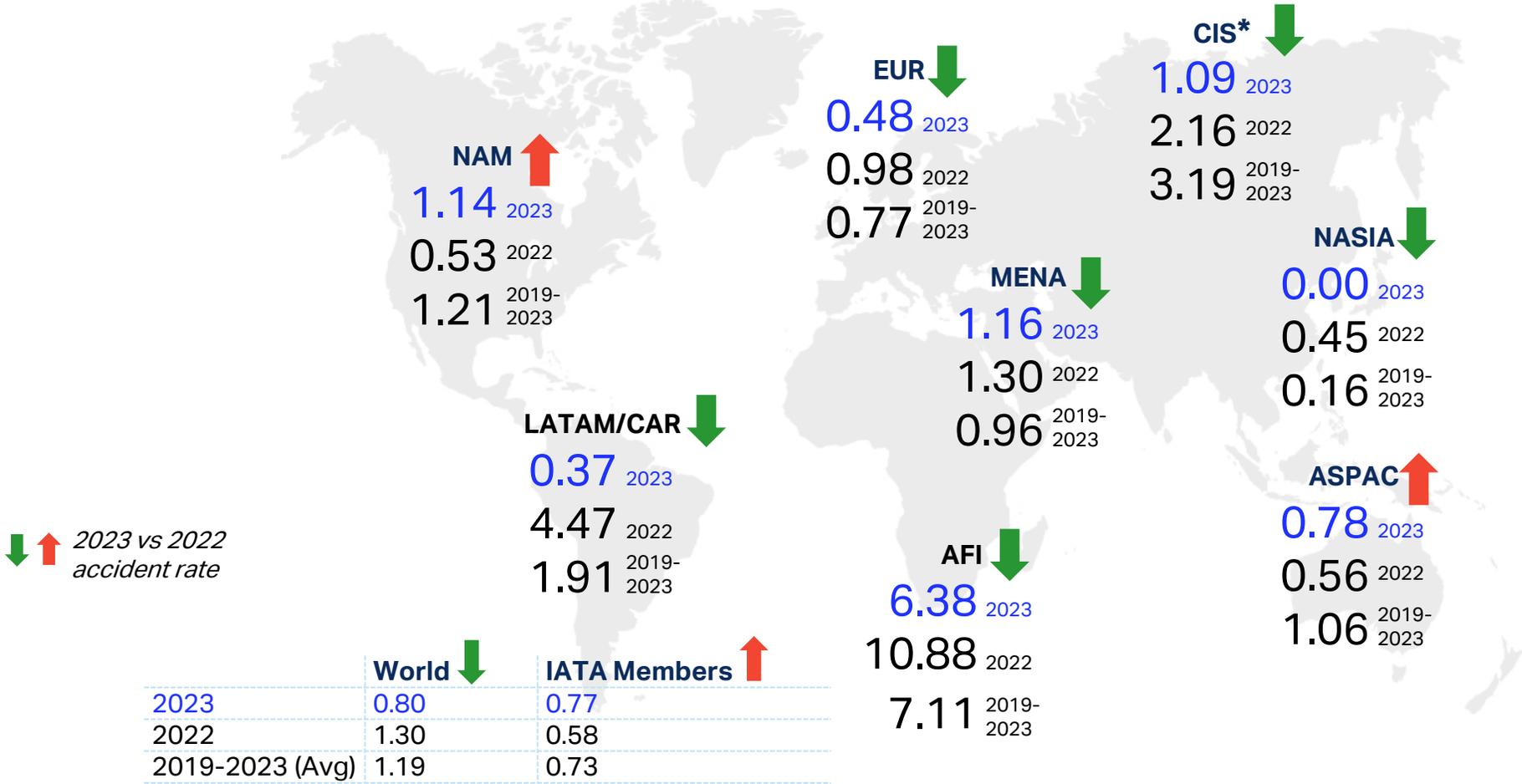
All accidents per million sectors



- The industry has improved its overall safety performance over the last ten years by
 - 61%, with an accident rate in 2023 of 0.80 per million sectors, compared to 2.06 in 2014
 - 52%, with a 5-year (2010-2014) rolling average of 2.49, compared to the current 5-year (2019-2023) average of 1.19 accidents per million sectors
- The 2023 industry accident rate of 0.80 is below the 5-year (2019-2023) accident rolling average rate of 1.19 per million sectors.

All Accident Rate per Region of Operator

6 regions saw an improvement in the accident rate per million sectors



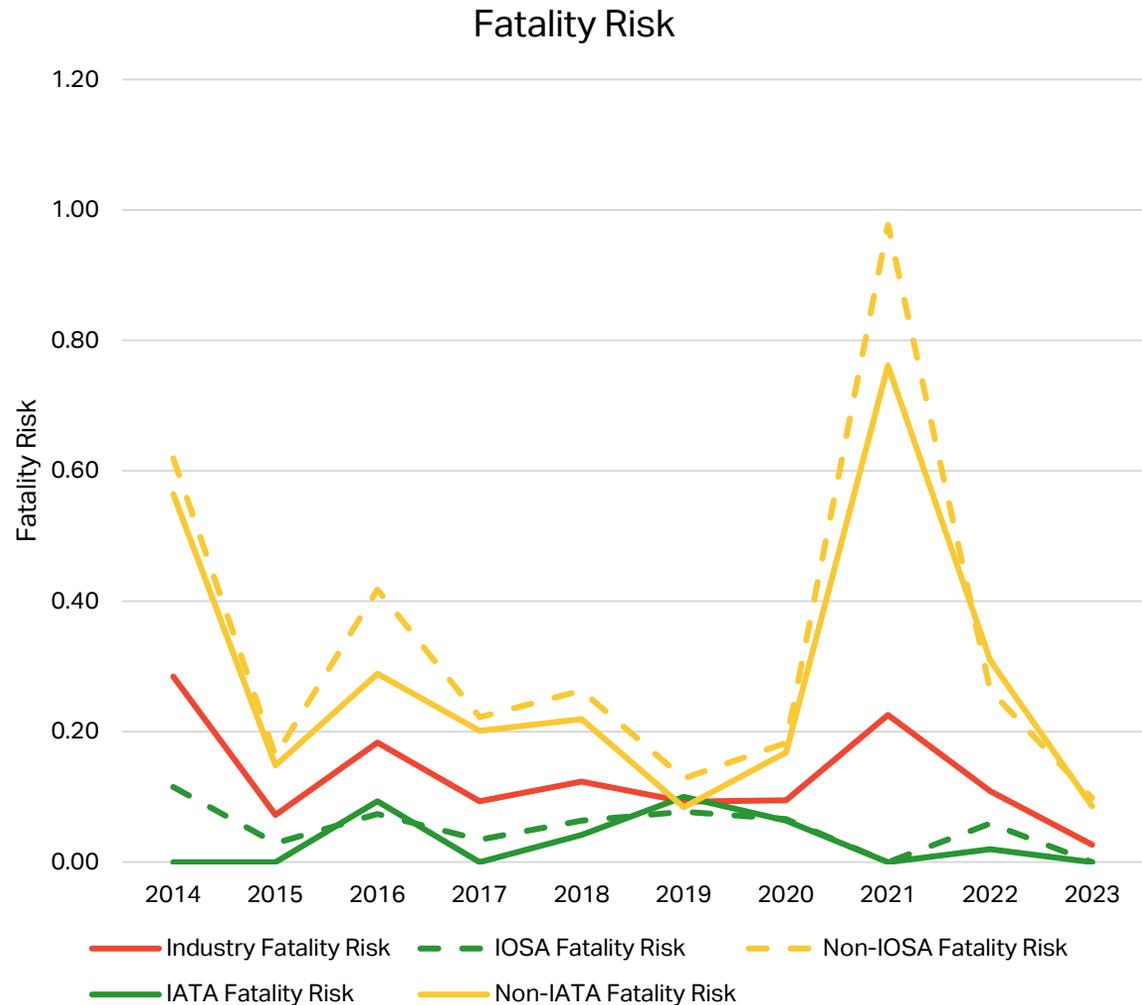
* CIS sectors may undergo larger revisions than normal once actual flown sectors becomes available – this will affect accident rate as well as fatality risk calculations

Fatality Risk



Industry Fatality Risk

All accidents per million sectors

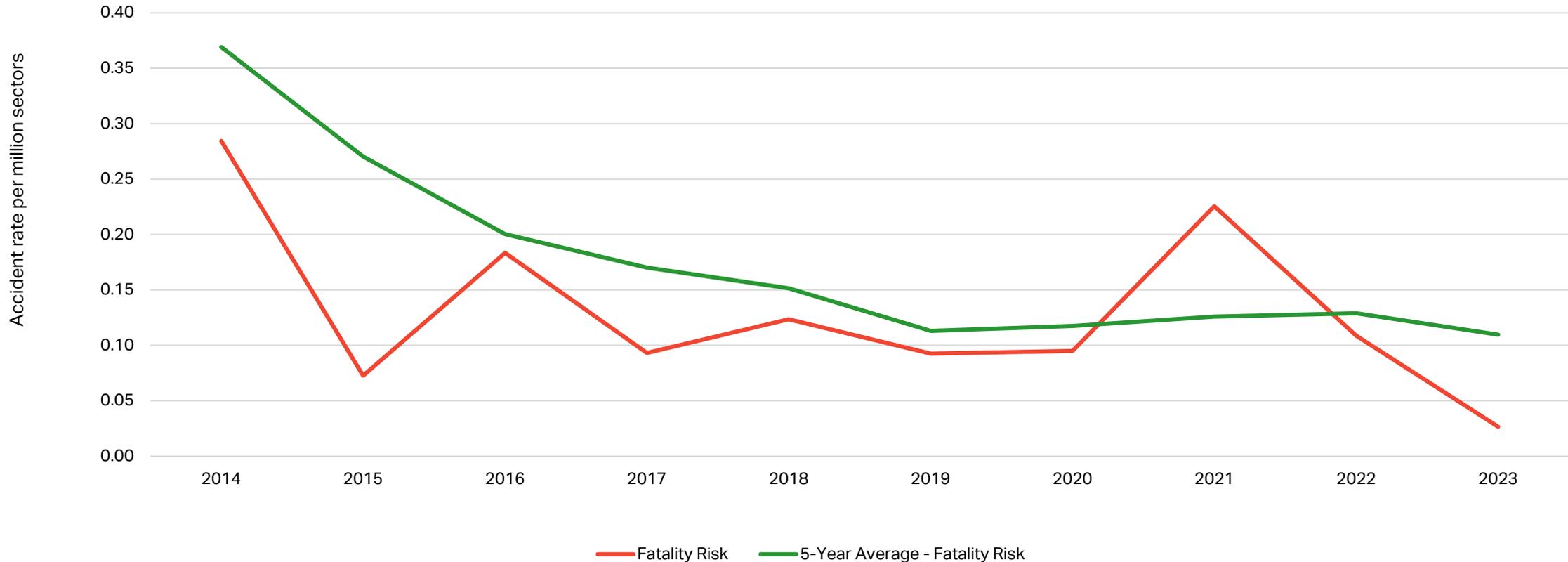


- The industry fatality risk went from 0.11 in 2022 down to 0.03 accidents per million sectors in 2023.
- There was only one fatal accident in 2023, resulted in 72 fatalities
- The fatality risk for IOSA-registered carriers in 2023 was lower than that for non-IOSA carriers (0.00 vs 0.10) and is below the 2023 industry fatality risk of 0.03.

Industry Fatality Risk Vs. 5- Year Rolling Average

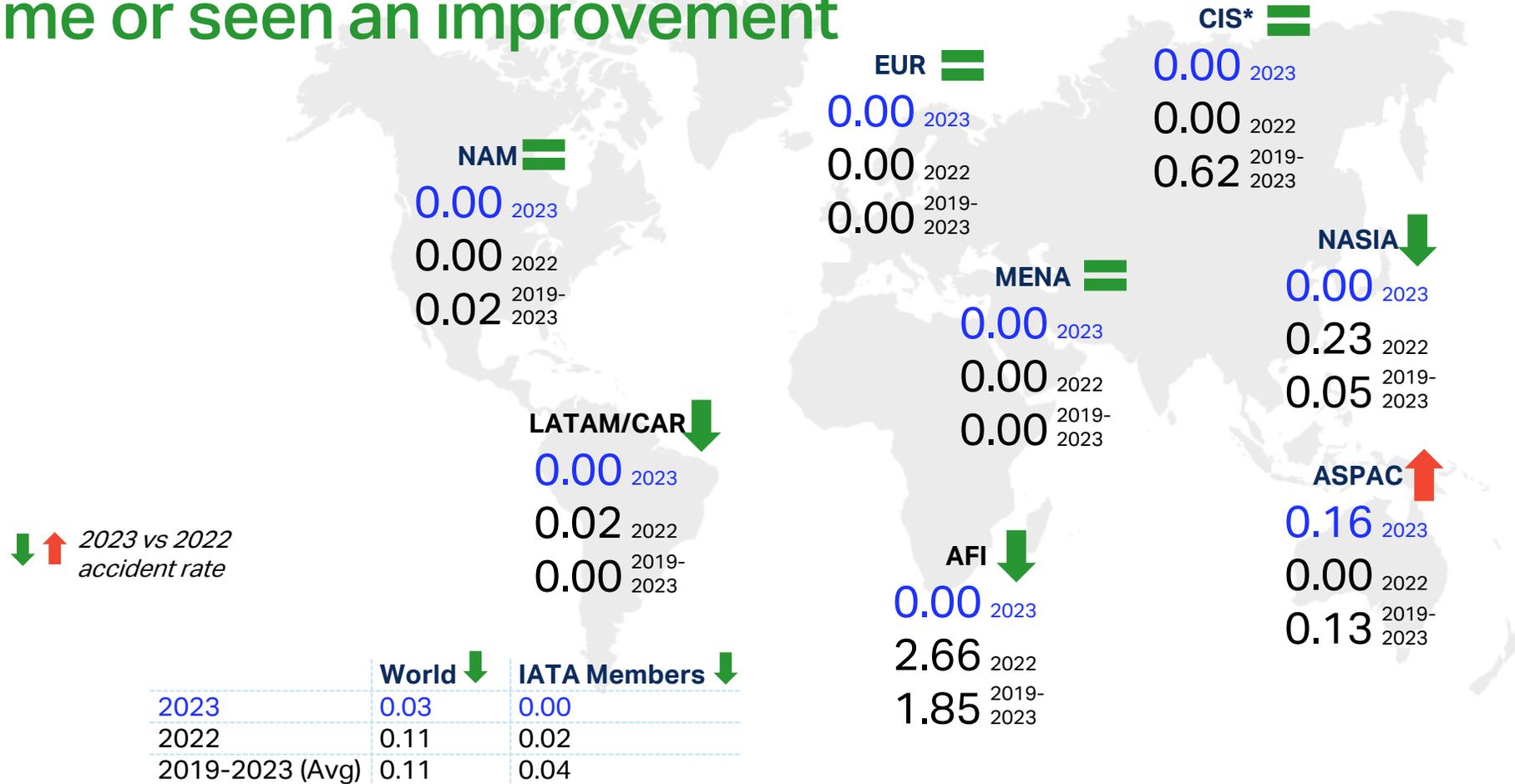
Accidents per million sectors

Fatality Risk Vs. 5-Year Average



Industry Fatality Risk per Region of Operator

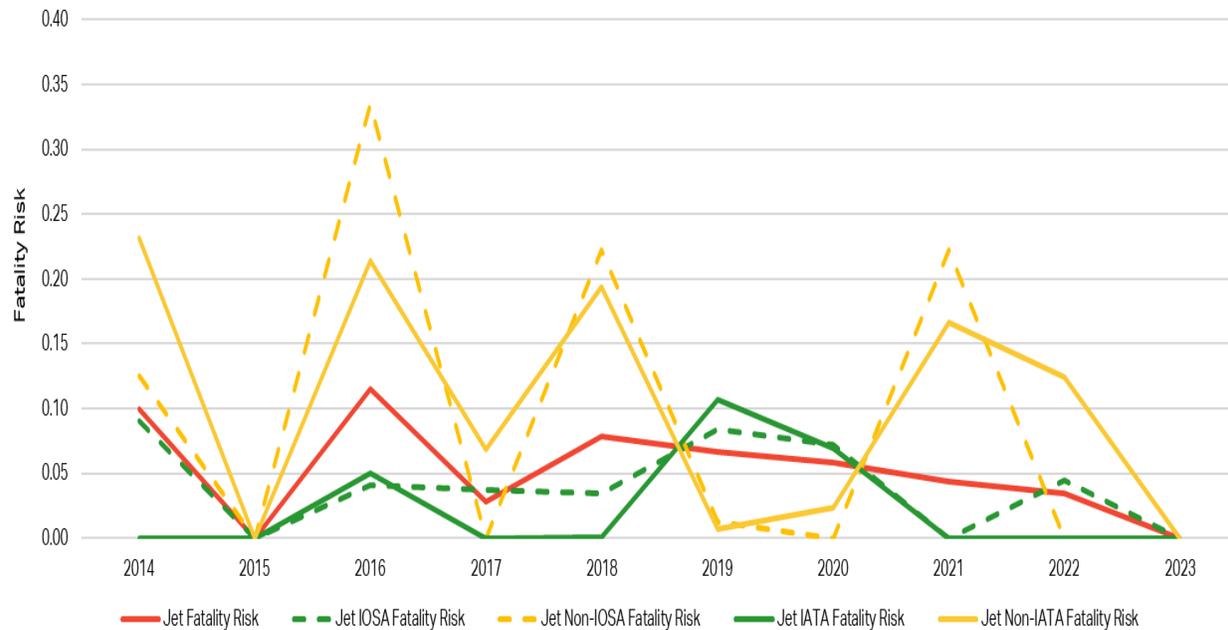
The Industry Fatality Risk Rate for 7 regions has either remained the same or seen an improvement



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Industry Jet Fatality Risk

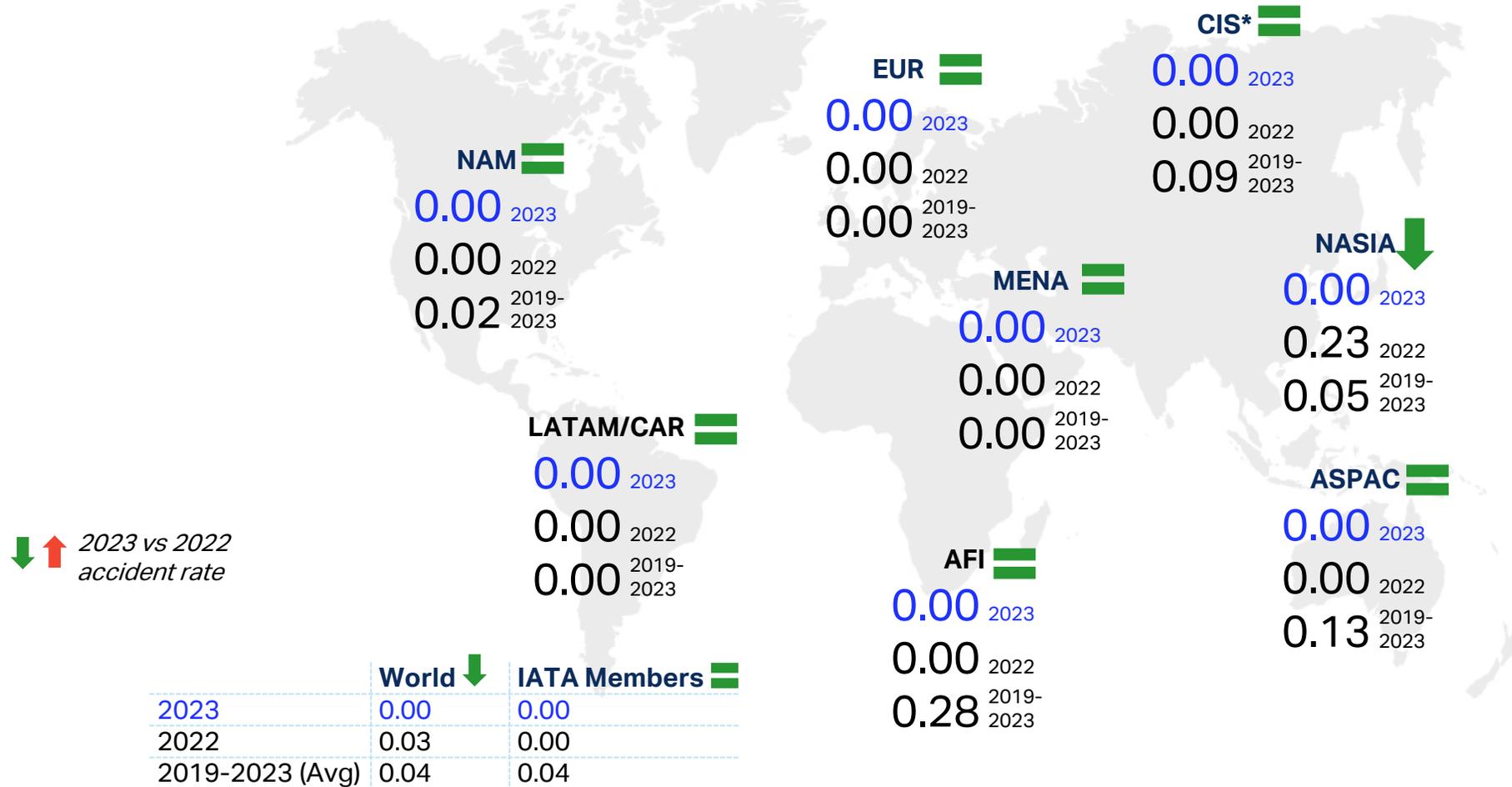
Jet Fatality Risk



- Zero Fatality Rate for jet aircraft in 2023

Jet Fatality Risk per Region of Operator

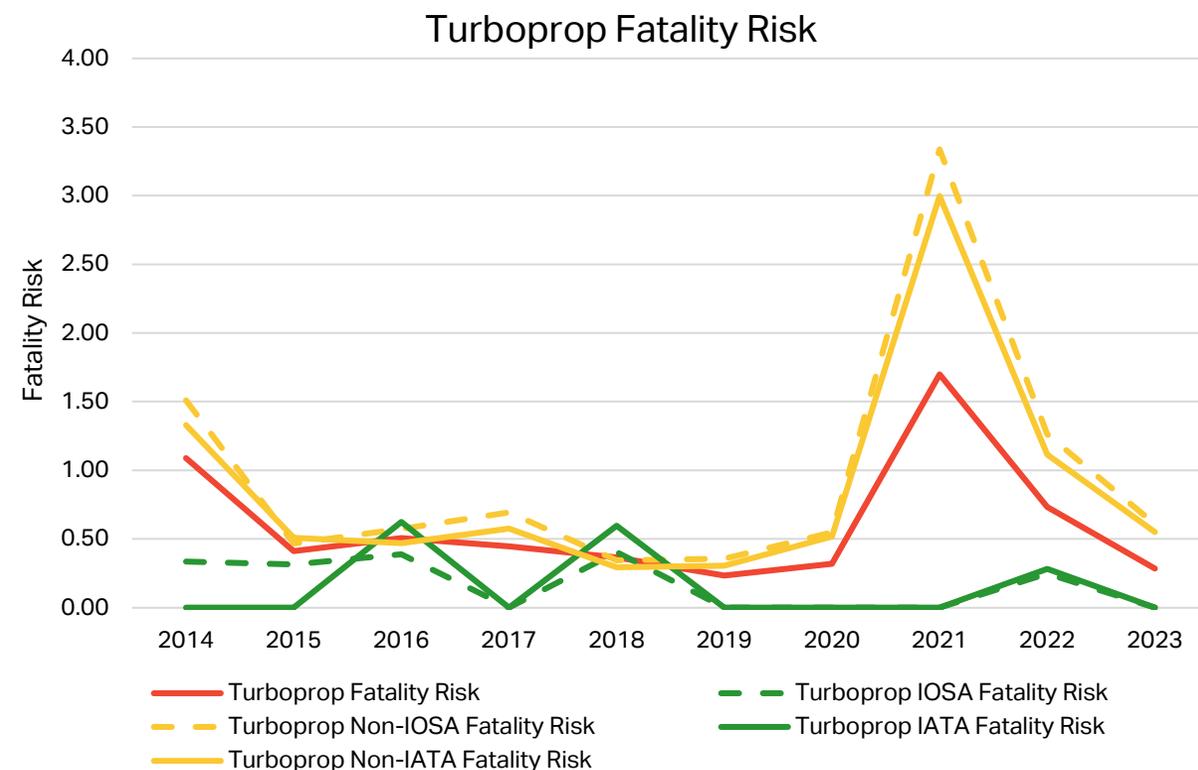
All Regions had Zero Fatality Risk



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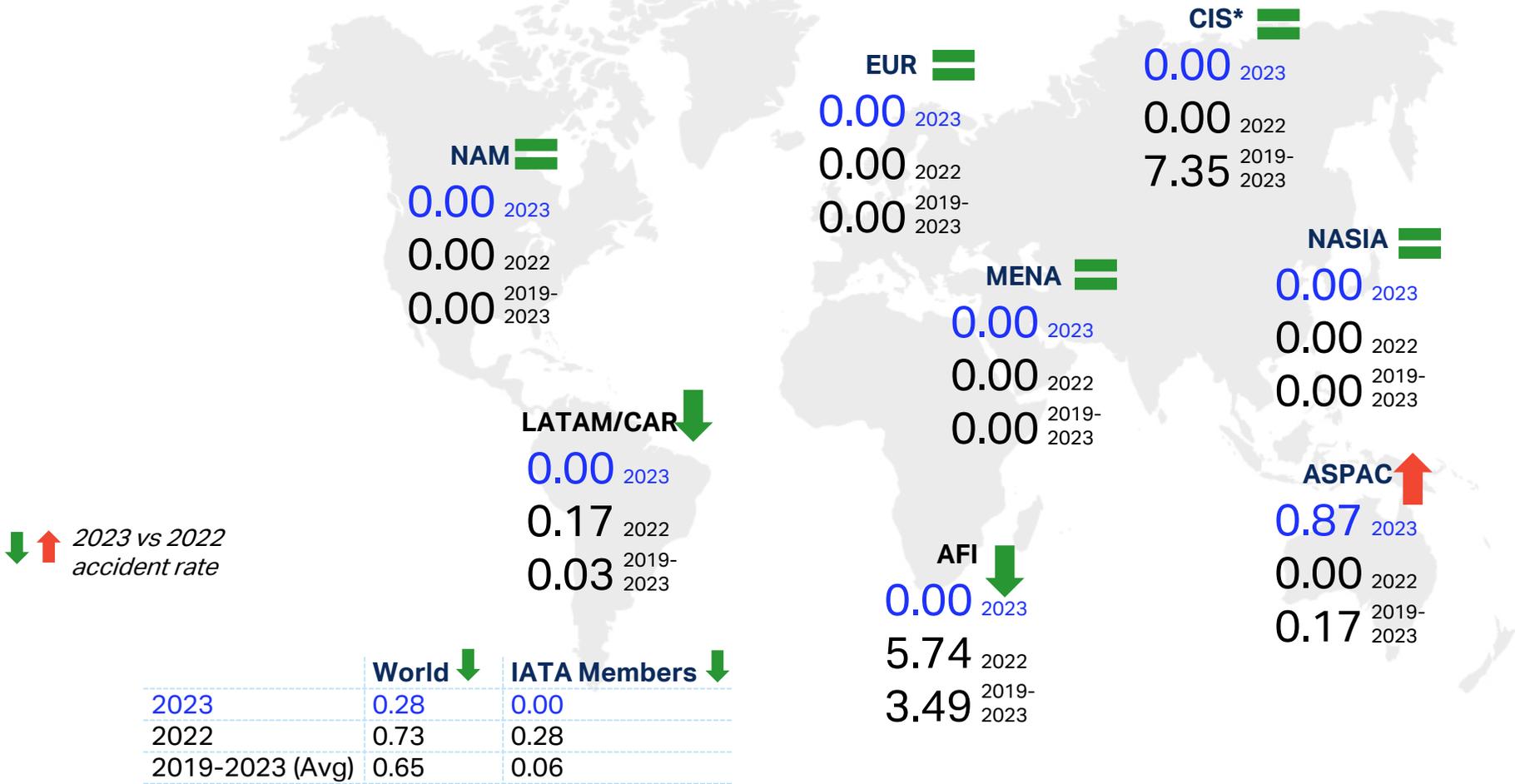
- The turboprop fatality risk across all domains has improved in 2023
 - The industry fatality risk for turboprop aircraft went from 0.73 in 2022 down to 0.28 in 2023.
 - The turboprop fatality risk for IOSA members and IATA members has improved:
 - For IOSA members, the accident rate went from 0.25 per million sectors in 2022 down to zero
 - For IATA members, it went from 0.28 to zero.

Turboprop Fatality Risk



Turboprop Fatality Risk per Region of Operator

7 Regions had Zero Fatality Risk



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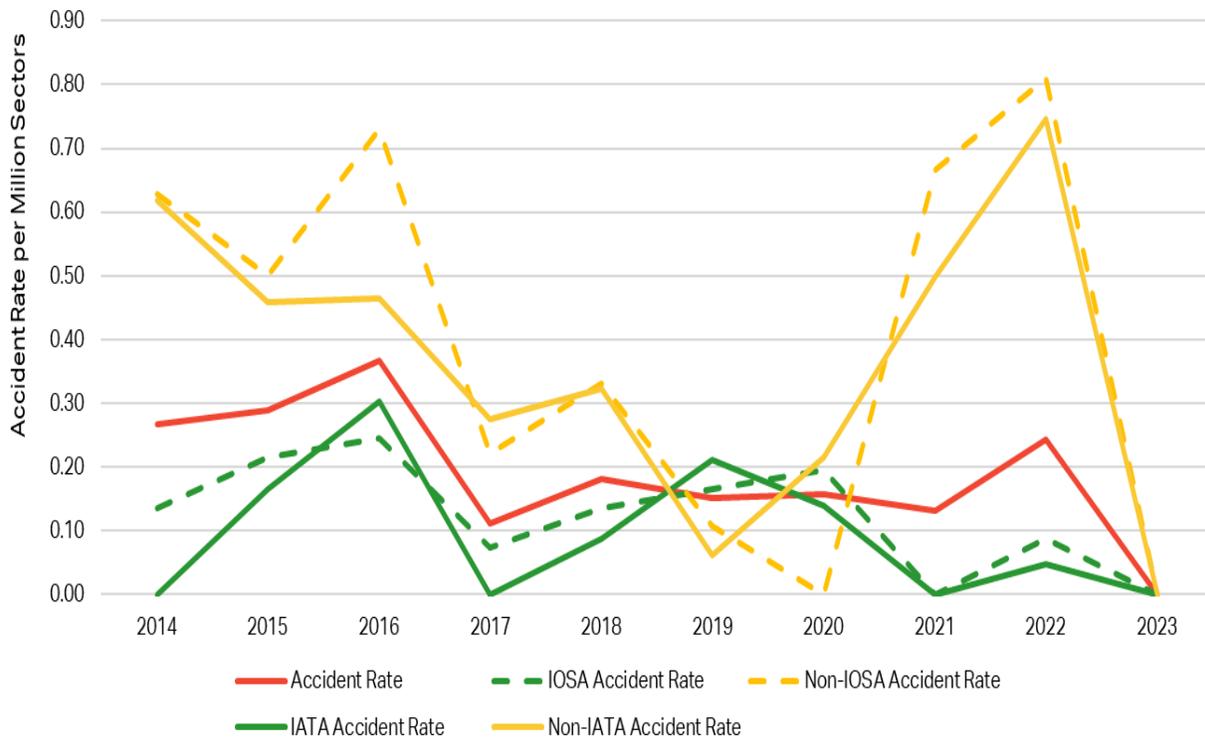
Jet and Turboprop Hull Losses



Jet Hull Loss Accident Rate

All Accidents per million sectors

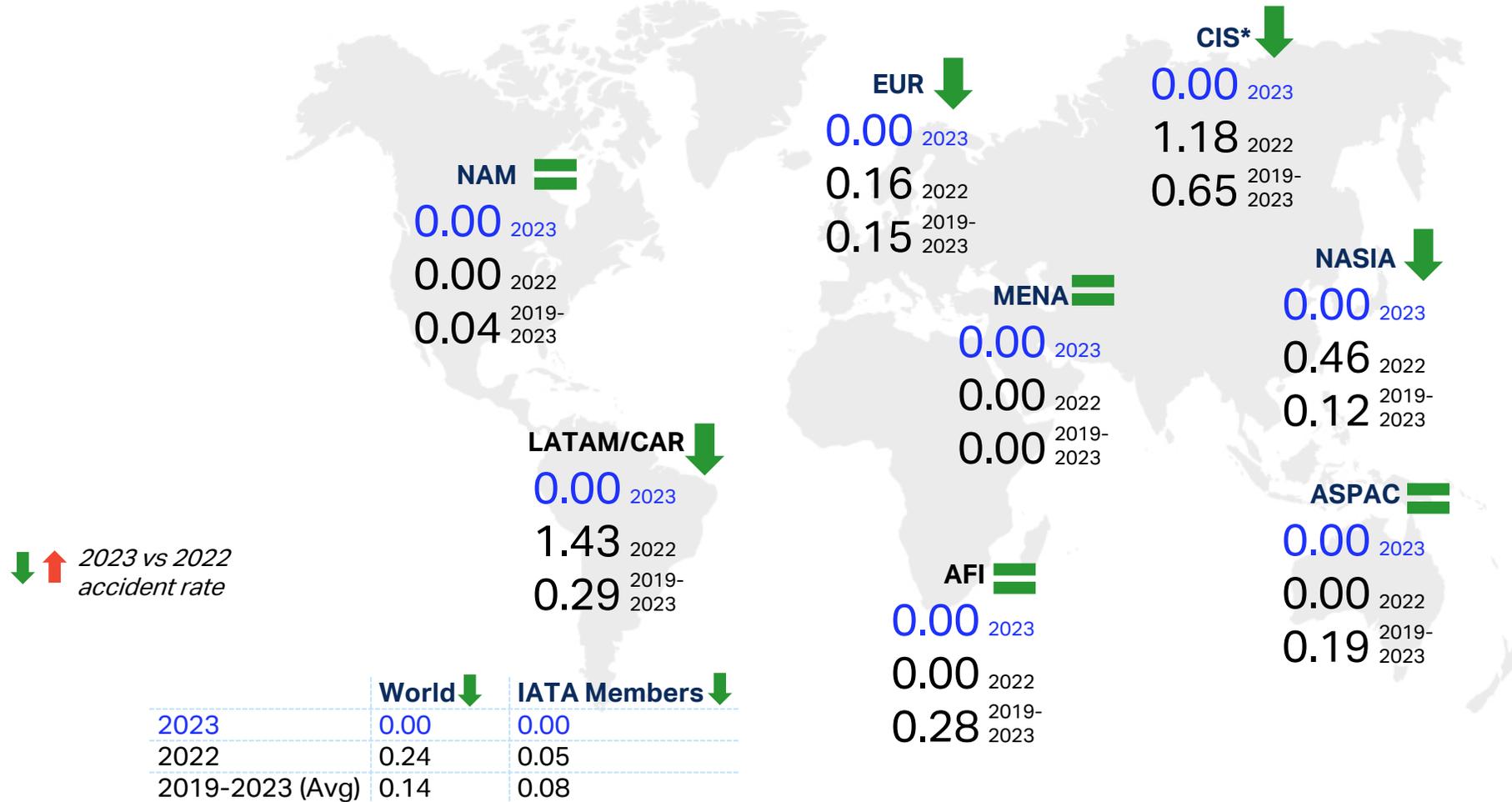
Jet Hull Loss Accidents



- The jet hull loss accident rate across all domains has improved in 2023
 - The industry jet hull loss accident rate went from 0.24 per million sectors in 2022 down to 0.00 accidents per million sectors in 2023.
 - The jet hull loss accident rate for Non-IOSA members and Non-IATA members has improved:
 - For Non-IOSA members, the accident rate went from 0.81 per million sectors in 2022 down to zero in 2023
 - For Non-IATA members, it went from 0.75 to zero.

Jet Hull Loss per Region of Operator

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

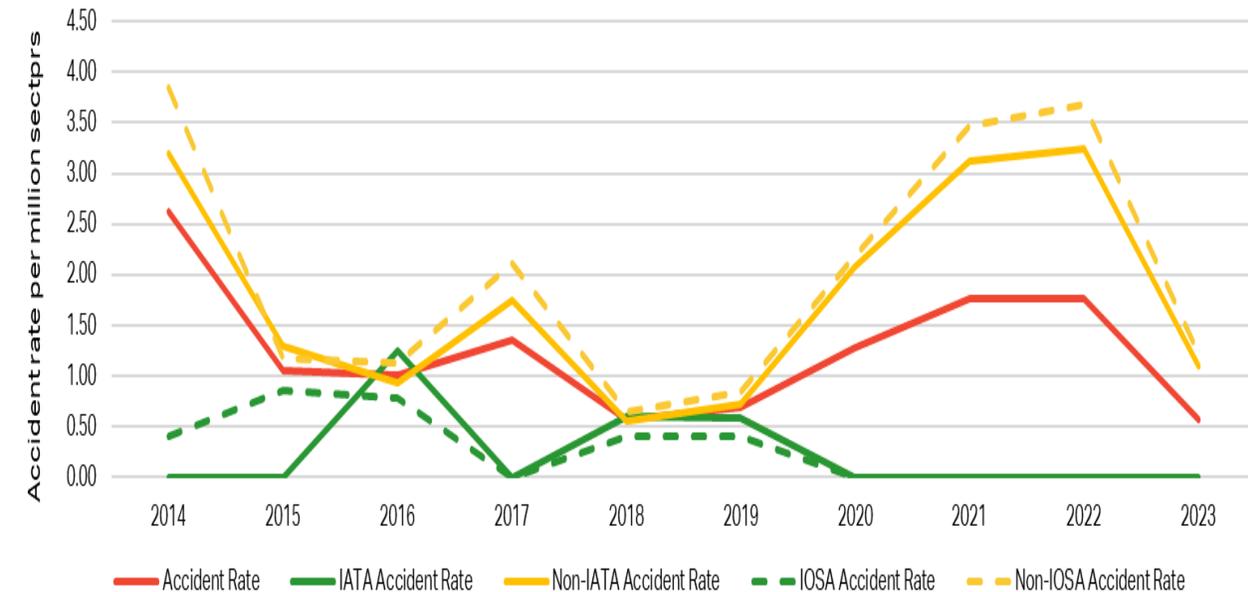


* CIS sectors may undergo larger revisions than normal once actual flown sectors becomes available – this will affect accident rate as well as fatality risk calculations

Turboprop Hull Loss Accident Rate

All Accidents per million sectors

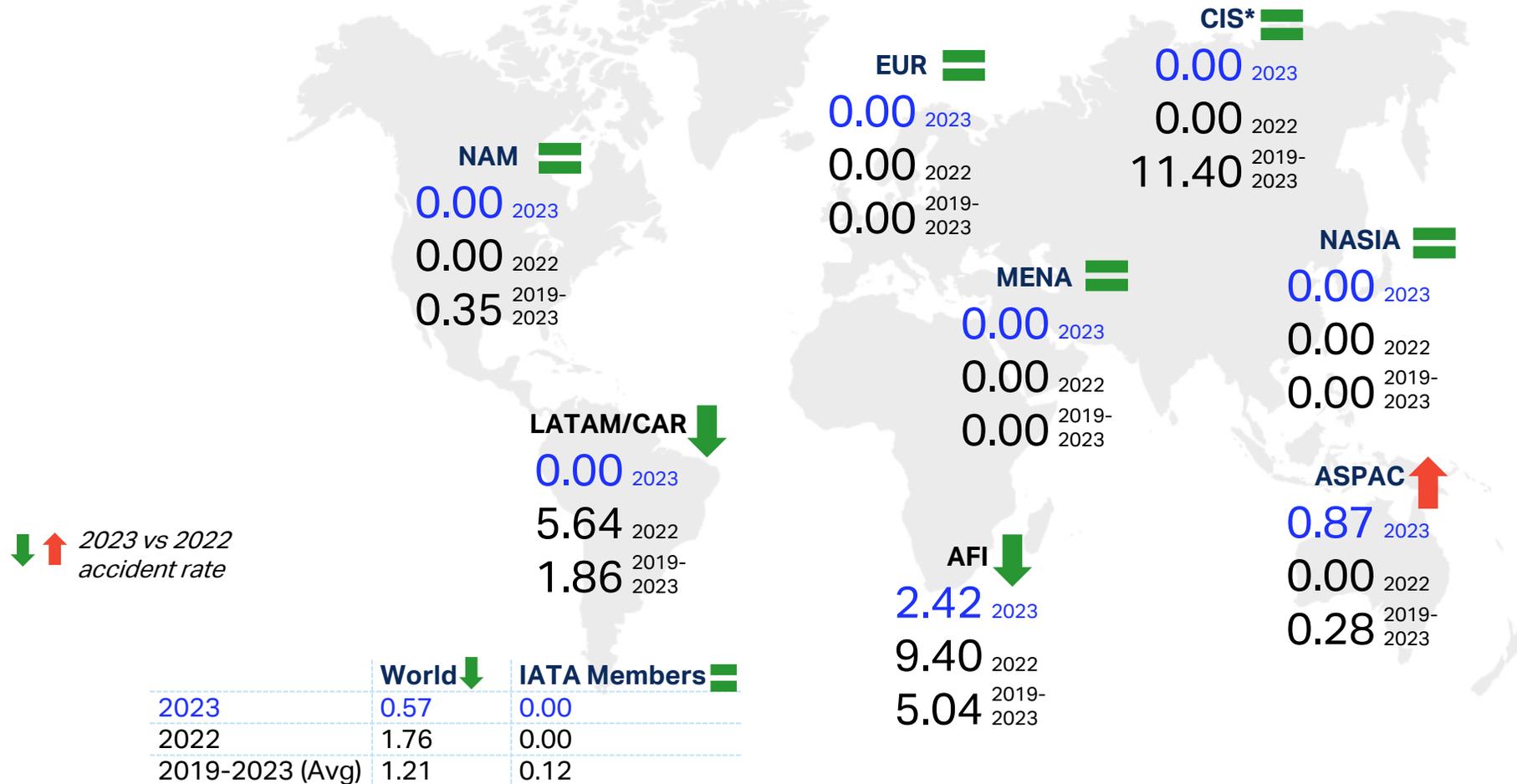
Turboprop Hull Loss Accidents



- The turboprop hull loss accident rate across all domains has improved in 2023
 - The industry turboprop hull loss accident rate went from 1.76 in 2022 down to 0.57 accidents per million sectors in 2023.
 - Zero turboprop hull Loss accidents for IATA members and IOSA carriers since 2020

Turboprop Hull Loss per Region of Operator

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

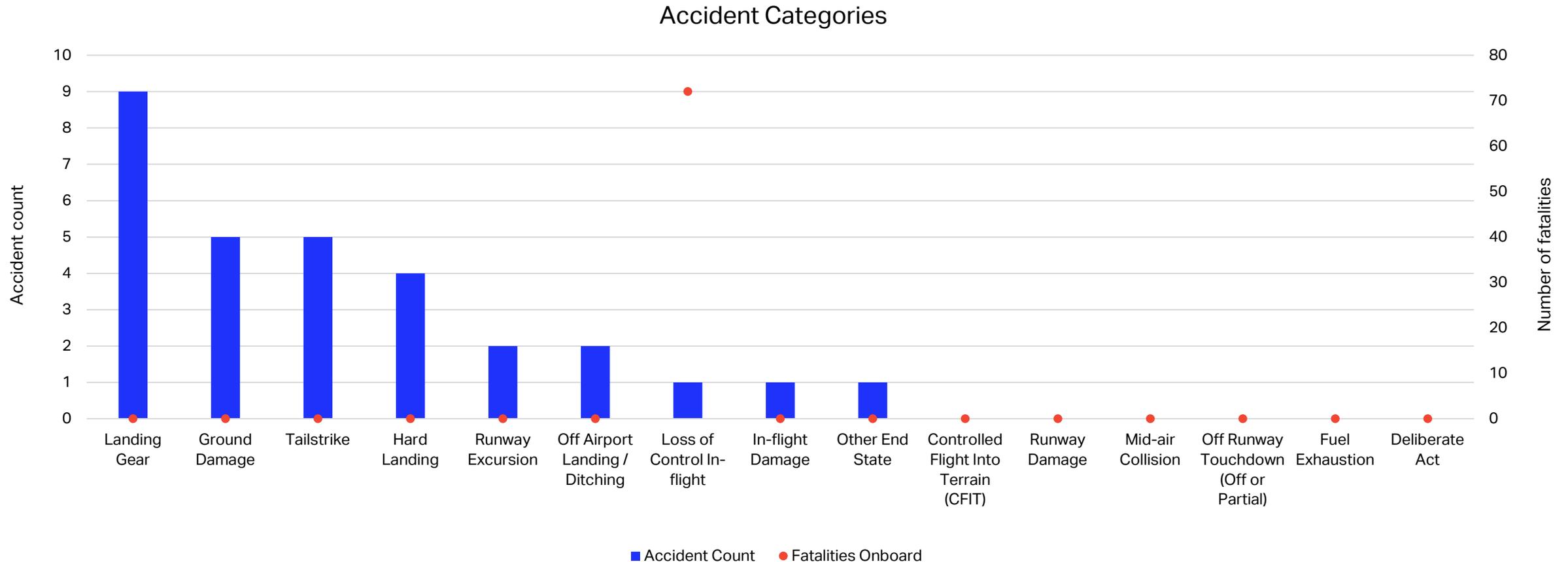


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Accident Categories Overview

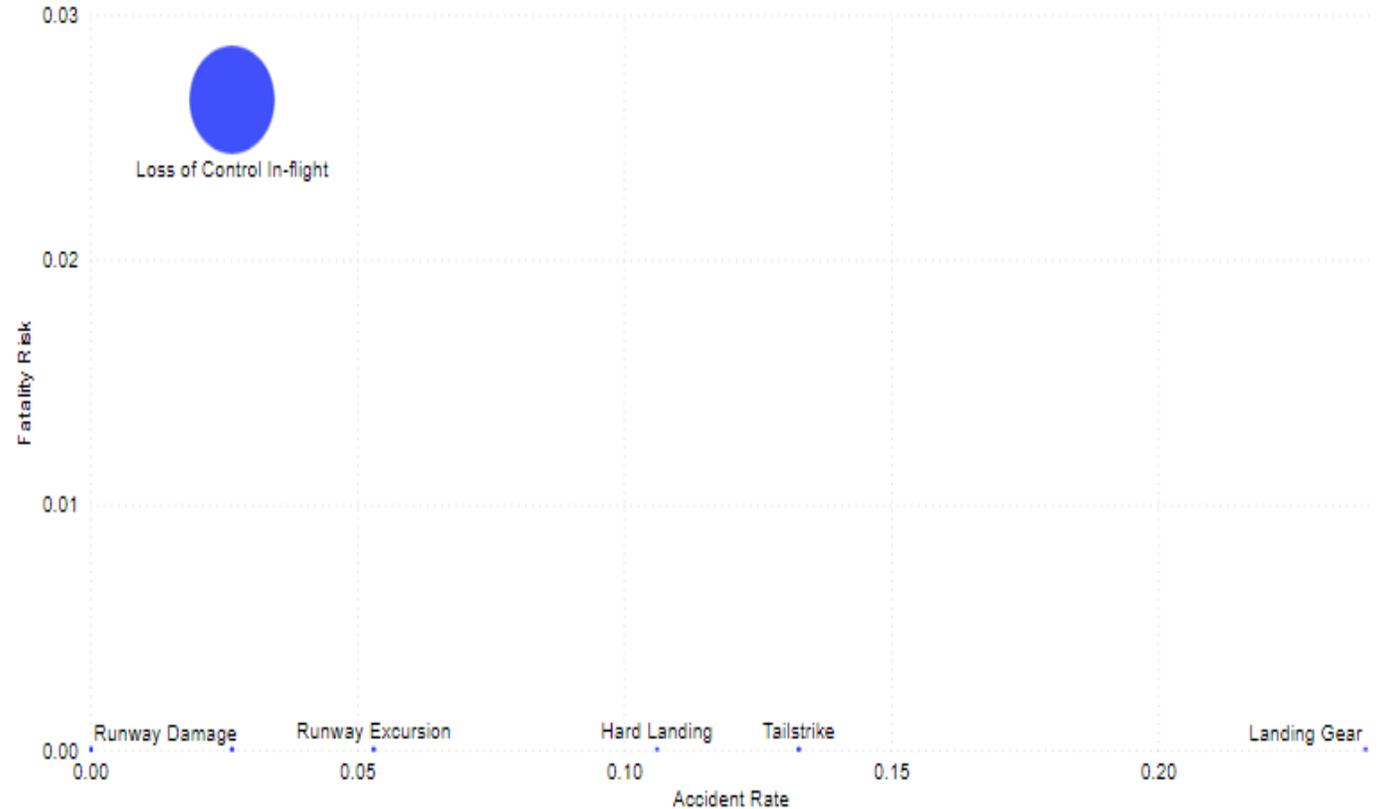


Industry Accident Count/Fatalities per Accident Category



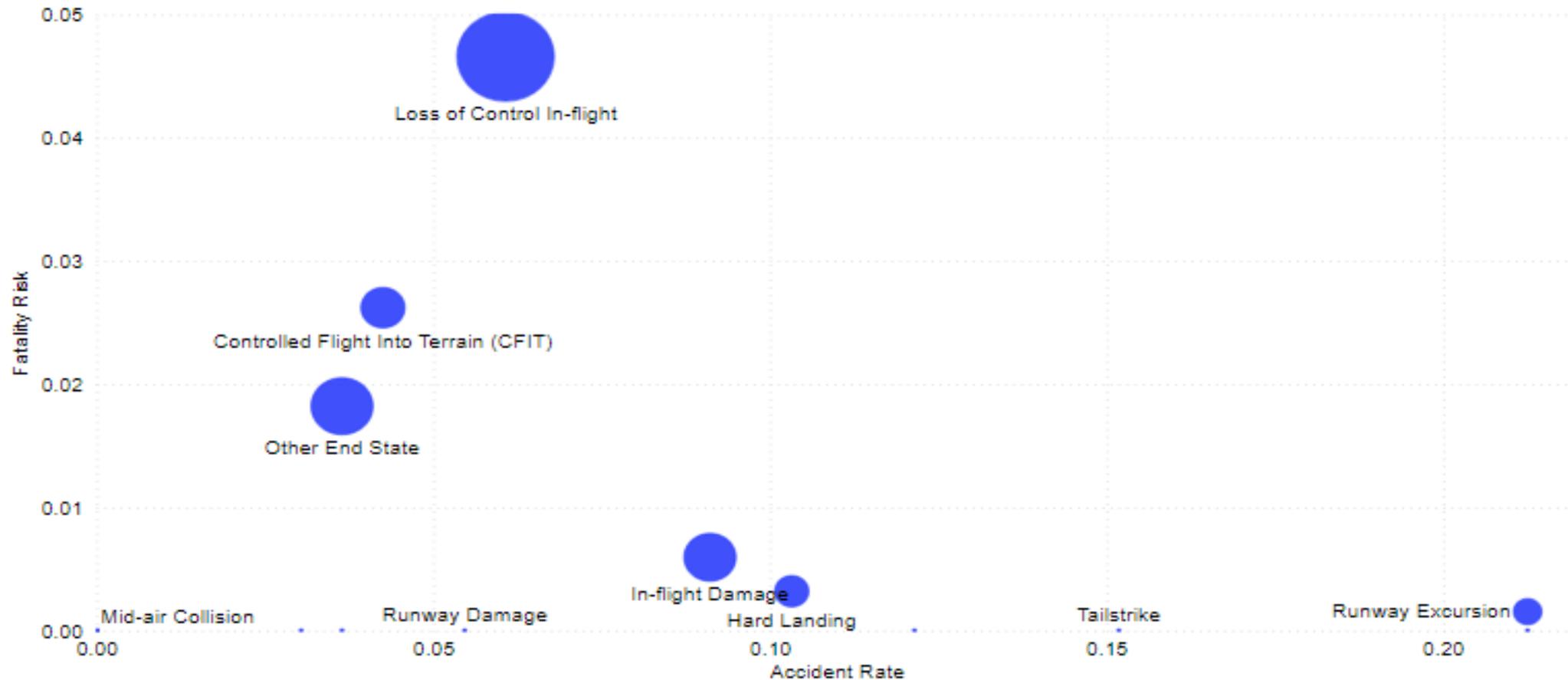
Fatality Risk by Accident Category - 2023

There was one fatal LOC-I accident in 2023, which resulted in 72 fatalities



Fatality Risk by Accident Category – 2019-2023

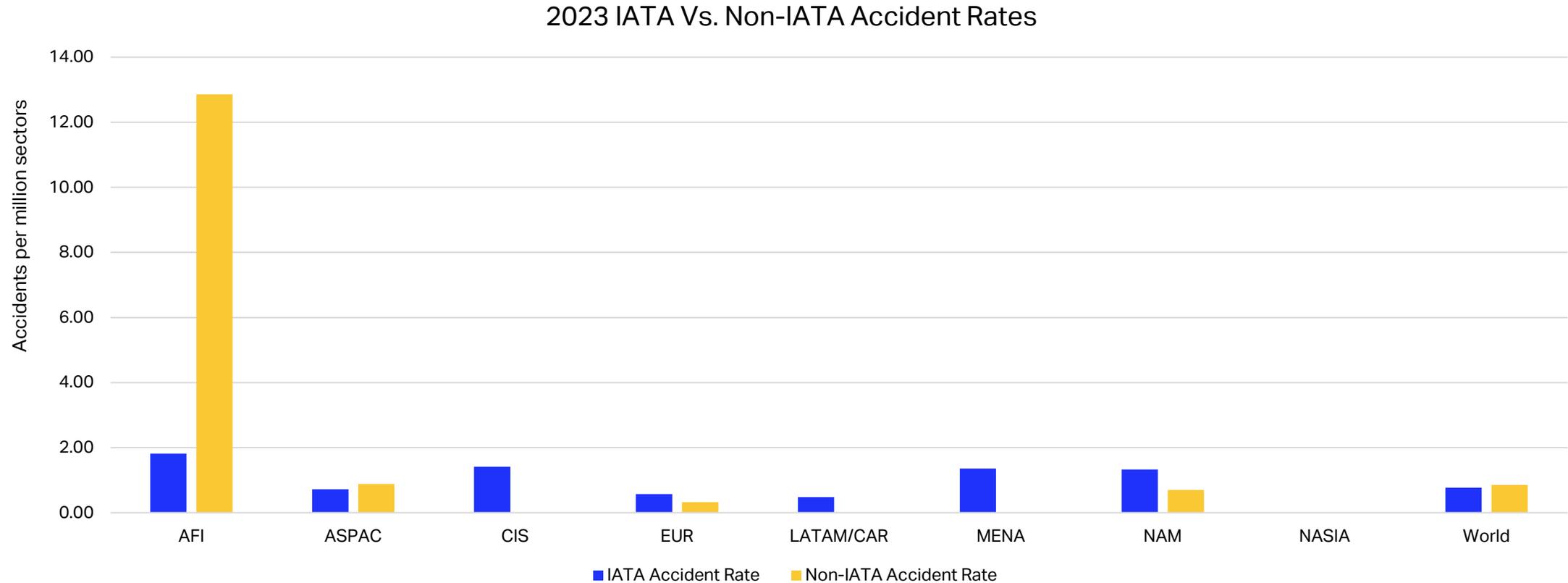
LOC-I caused the highest fatalities during this period



IATA / IOSA Accidents

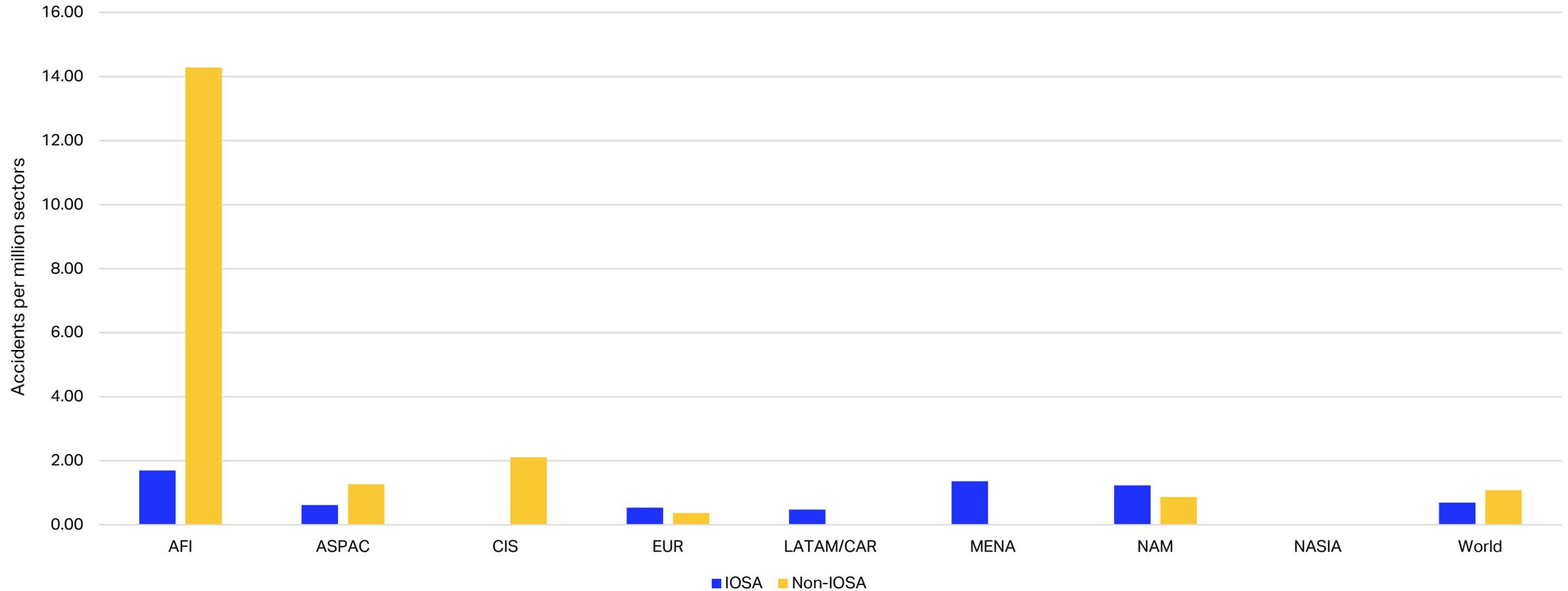


Industry Accident Rate for IATA Vs. Non-IATA



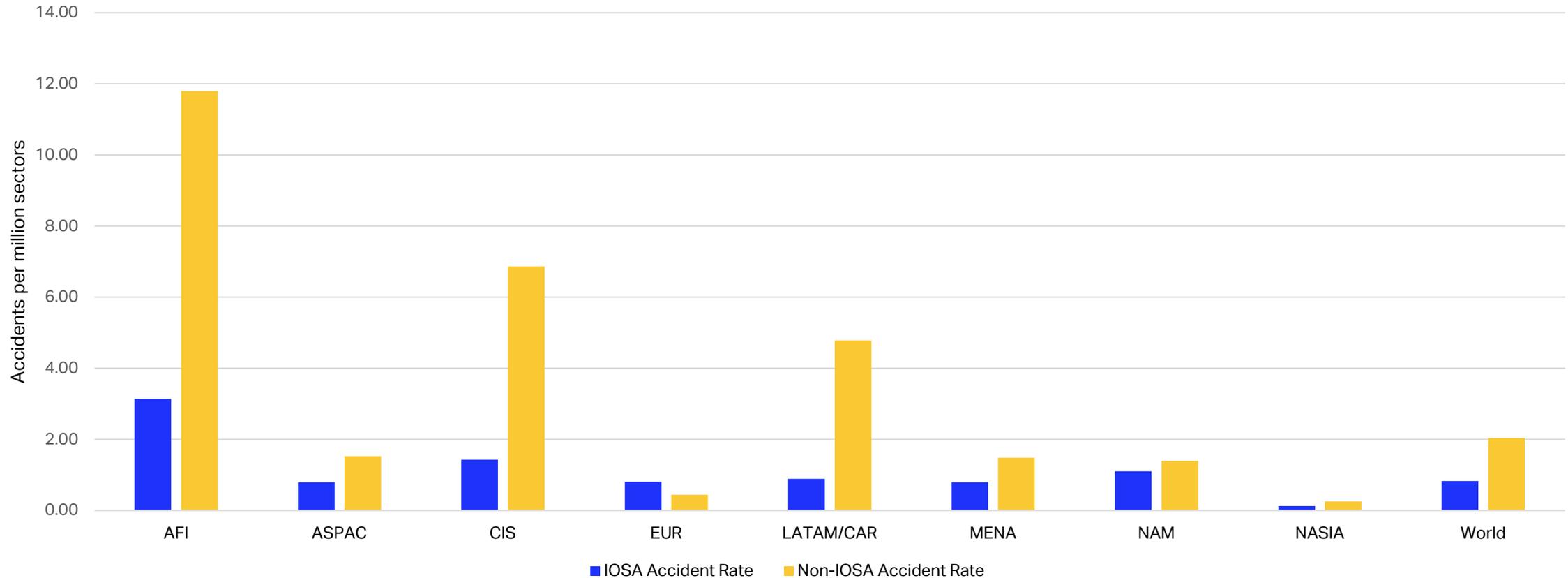
Industry Accident Rate for IOSA Vs. Non-IOSA - 2023

IOSA vs. NON-IOSA - 2023



Industry Accident Rate for IOSA Vs. Non-IOSA – 5 Years

2019-2023 IOSA vs. Non-IOSA



List of 2023 Accidents



List of 2023 Accidents

Accident Date	Region of Operator	Operator Name	Aircraft Model	Engine Type	Severity	Fatalities Onboard	IATA Member	IOSA Registered Airline	End State
December 20, 2023	ASPAC	Air India Limited	Airbus A320neo	Jet	Substantial Damage	0	Yes	Yes	Hard Landing
December 8, 2023	ASPAC	Lulutai Airlines Limited	Saab 340B	Turboprop	Substantial Damage	0	No	No	Ground Damage
November 28, 2023	AFI	Unity Air Zanzibar Limited	Embraer 120	Turboprop	Substantial Damage	0	No	No	Landing Gear
October 4, 2023	NAM	FedEx	Boeing 757-200	Jet	Substantial Damage	0	Yes	Yes	Landing Gear
September 19, 2023	EUR	Air Europa Lineas Aereas, S.A.	Boeing 737-800	Jet	Substantial Damage	0	Yes	Yes	Ground Damage
September 18, 2023	MENA	DHL Aviation EEMEA B.S.C.(c)	Boeing 767-300	Jet	Substantial Damage	0	Yes	Yes	Hard Landing
September 12, 2023	CIS	Joint Stock Company "Ural Airlines"	Airbus A320	Jet	Substantial Damage	0	Yes	No	Off Airport Landing / Ditching
August 30, 2023	EUR	Aer Lingus Limited	Airbus A321neo	Jet	Substantial Damage	0	Yes	Yes	Tailstrike
August 20, 2023	NAM	Alaska Airlines Inc.	Boeing 737-800	Jet	Substantial Damage	0	Yes	Yes	Landing Gear
August 9, 2023	NAM	WestJet	Boeing 737-700	Jet	Substantial Damage	0	Yes	Yes	Ground Damage
August 7, 2023	ASPAC	PT. Garuda Indonesia (PERSERO) Tbk	Boeing 737-800	Jet	Substantial Damage	0	Yes	Yes	Tailstrike
August 3, 2023	NAM	United Airlines, Inc.	Boeing 767-300	Jet	Substantial Damage	0	Yes	Yes	Landing Gear
July 29, 2023	NAM	United Airlines, Inc.	Boeing 767-300	Jet	Substantial Damage	0	Yes	Yes	Hard Landing
July 24, 2023	NAM	Delta Air Lines, Inc.	Boeing 767-300	Jet	Substantial Damage	0	Yes	Yes	In-flight Damage
July 11, 2023	AFI	Halla Airlines Limited	Embraer 120	Turboprop	Hull Loss	0	No	No	Other End State
June 28, 2023	NAM	Delta Air Lines, Inc.	Boeing 717-200	Jet	Substantial Damage	0	Yes	Yes	Landing Gear
May 31, 2023	AFI	United Nigeria Airlines Company Ltd	Embraer RJ145	Jet	Substantial Damage	0	No	No	Runway Excursion
May 14, 2023	EUR	Cargolux Airlines International S.A	Boeing 747-400	Jet	Substantial Damage	0	Yes	Yes	Landing Gear
May 6, 2023	NAM	UPS	Boeing 747-400	Jet	Substantial Damage	0	Yes	Yes	Hard Landing
April 16, 2023	LATAM/CAR	Transportes Aereos Guatemaltecos SA	Saab 340	Turboprop	Substantial Damage	0	Yes	Yes	Landing Gear
April 13, 2023	MENA	Emirates	Boeing 777-300ER	Jet	Substantial Damage	0	Yes	Yes	Ground Damage
April 11, 2023	AFI	Air Kasai	Antonov An-26	Turboprop	Substantial Damage	0	No	No	Runway Excursion
April 9, 2023	EUR	Ryanair Ltd.	Boeing 737-800	Jet	Substantial Damage	0	No	No	Landing Gear
March 24, 2023	NAM	USA Jet Airlines, Inc.	Boeing (Douglas) MD88	Jet	Substantial Damage	0	No	No	Tailstrike
March 22, 2023	NAM	UNITED AIRLINES, INC. (CHICAGO, IL)	Airbus A320	Jet	Substantial Damage	0	Yes	Yes	Tailstrike
February 9, 2023	AFI	Allied Air Limited	Boeing 737-400	Jet	Substantial Damage	0	Yes	Yes	Landing Gear
January 27, 2023	AFI	Fly Air Africa Aviation	Aircraft Industries (LET) 410	Turboprop	Substantial Damage	0	No	No	Off Airport Landing / Ditching
January 15, 2023	ASPAC	Yeti Airlines Domestic Pvt. Ltd.	ATR 72	Turboprop	Hull Loss	72	No	No	Loss of Control In-flight
January 2, 2023	ASPAC	Interglobe Aviation Ltd. dba IndiGo	Airbus A321neo	Jet	Substantial Damage	0	Yes	Yes	Tailstrike
January 1, 2023	NAM	Flair Airlines Ltd.	Boeing 737 MAX 8	Jet	Substantial Damage	0	No	No	Ground Damage



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

