

2023 AFRICA AVIATION INCIDENTS/ACCIDENTS REPORT

BY:

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We leave a positive mark



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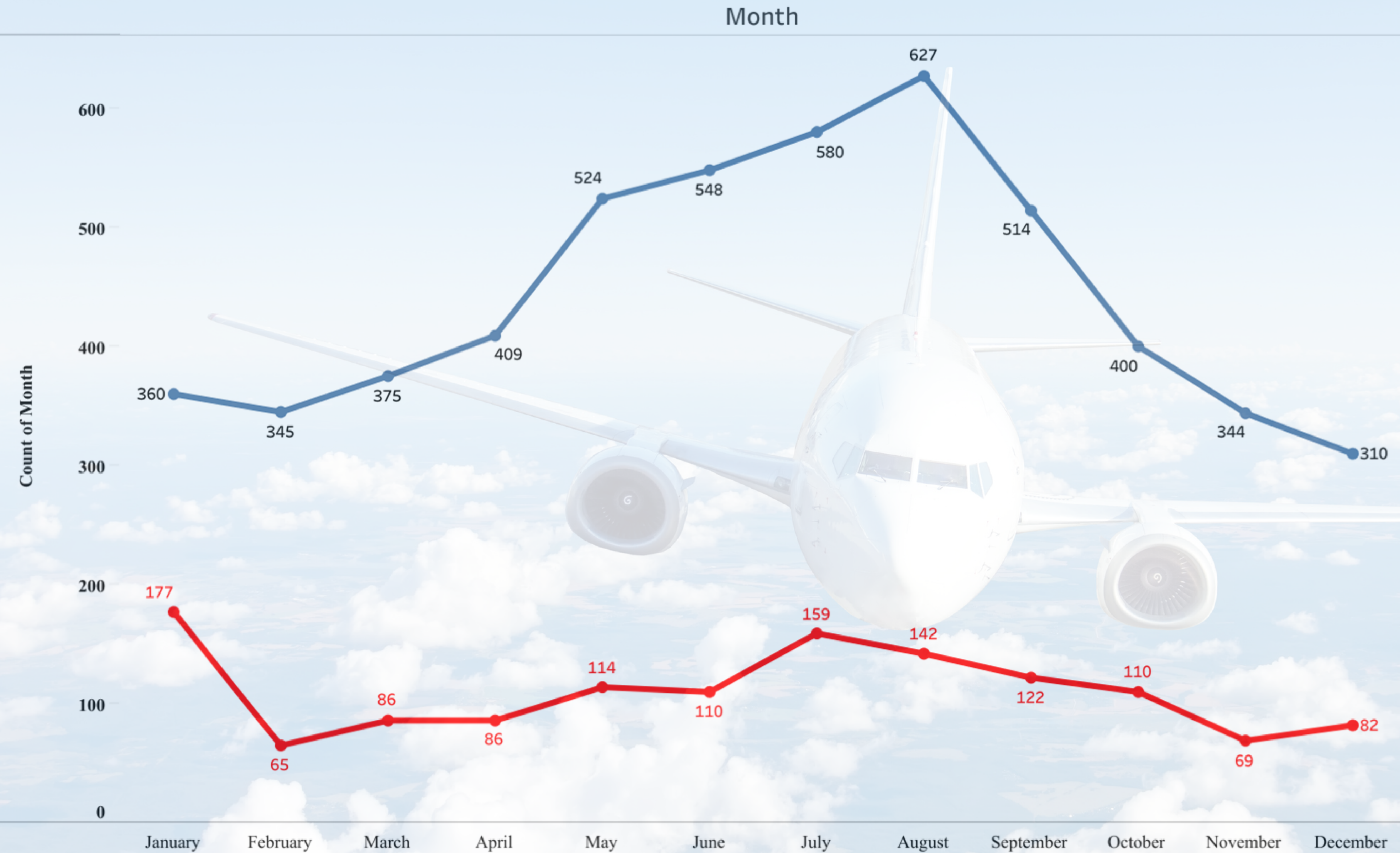
GLOBAL 2023 REPORTED INCIDENCES/ACCIDENTS OVERVIEW

According to the IATA Global Aviation 2023 Annual Safety Report, the industry has continued to make progress on safety, with several parameters showing "best-ever" results.

Based on the Aviation Safety Network, there were 5,337 recorded accidents from 169 countries in both civil and military operations. Of these incidents/accidents, 661 led to casualties, resulting in an estimated 1,322 fatalities.

This was an improvement from the estimated 1,596 fatalities from an approximate 772 incidents/accidents that were reported in 2022.

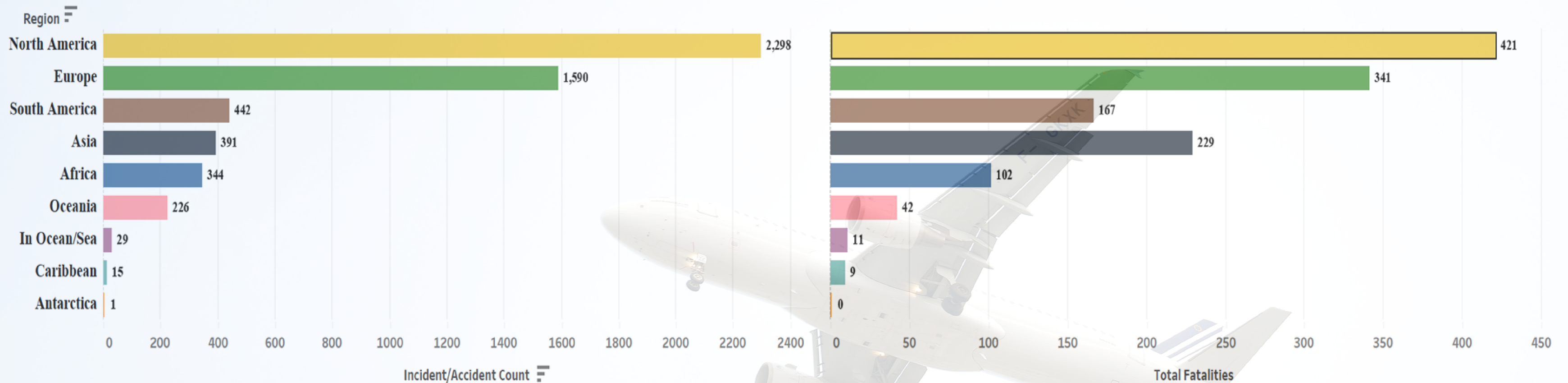
Comparison of reported incidences/Accidents with fatalities per month for 2023



In 2023, August recorded the highest number of reports (627), indicating that the mid-year period, from April to October, was the most impacted. December, on the other hand, reported the fewest incidents/accidents.

The highest number of fatalities was recorded in January (177), followed by July (159), making these the only months that surpassed 150 fatal injuries. February (65) and November (69) recorded the fewest fatalities.

Regional Incident/Accident Statistics (2023)

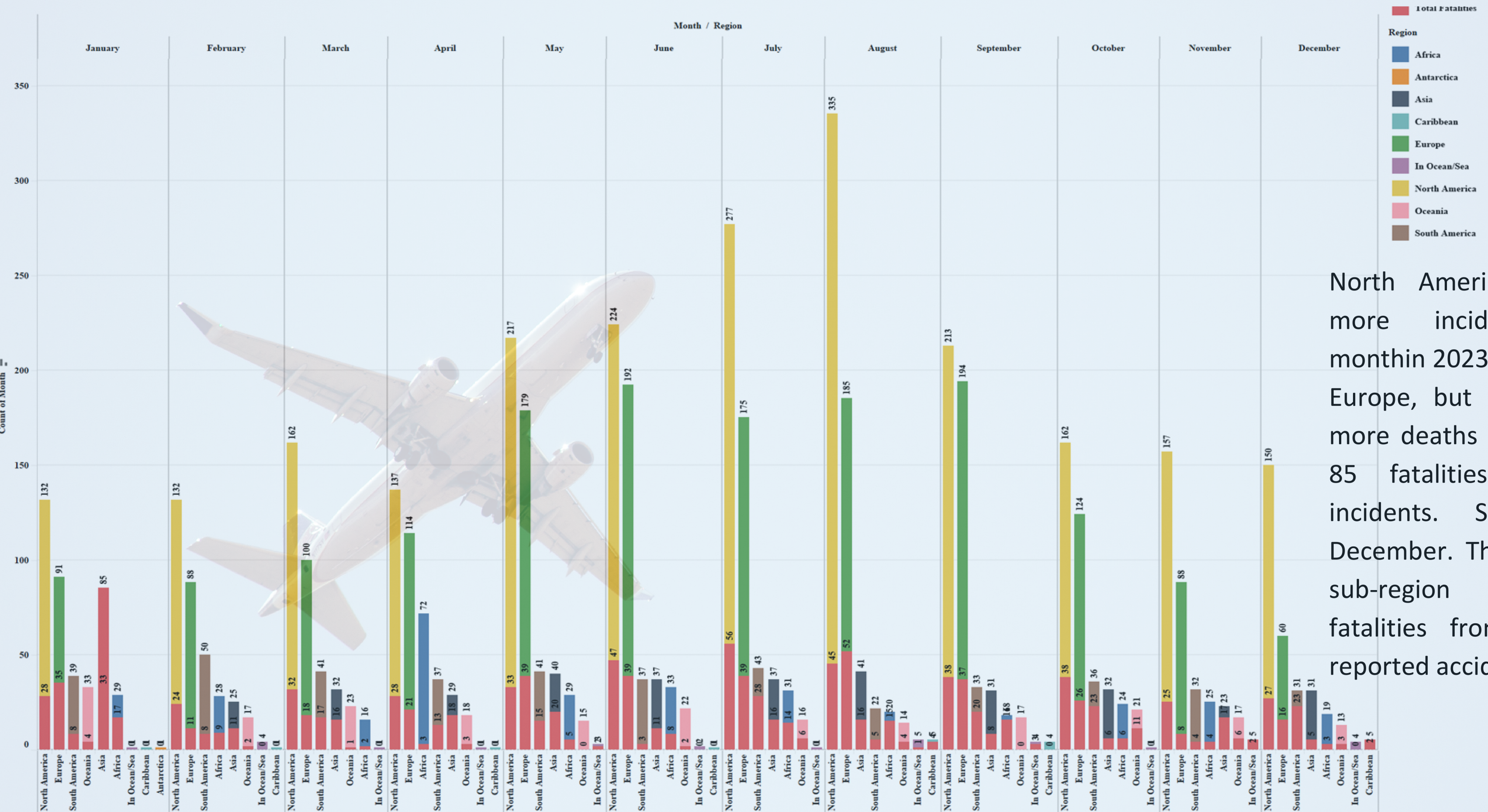


North America reported the highest number of incidents/accidents (421) among global regions, followed by Europe. Despite these figures, North America and Europe’s proportion of fatalities per accident was low compared to other regions.

The Caribbean had the highest likelihood of fatal injuries per accident at 60%, followed by Asia (58.6%), Latin America (37.8%), and Africa (29.7%).

In 2023, there was a 21% probability of death associated with an aircraft accident/incident in North America, while, the probability was 18.3% in Europe despite these two regions recording high numbers of reports.

Sub-Continental region comparison (2023)



North America reported more incidents each month in 2023, followed by Europe, but January saw more deaths in Asia, with 85 fatalities from 33 incidents. Similarly, in December. The Caribbean sub-region had five fatalities from just two reported accidents

Reported Incidences/Accidents Per Country



In 2023, the United States recorded the highest number of incidents and accidents, accounting for approximately 34.5% of the global total. Among Africa countries, South Africa ranked 9th and Sudan 17th, making them the only African nations in the top 30 worldwide for reported incidents and accidents.

Top countries per reported fatalities for 2023

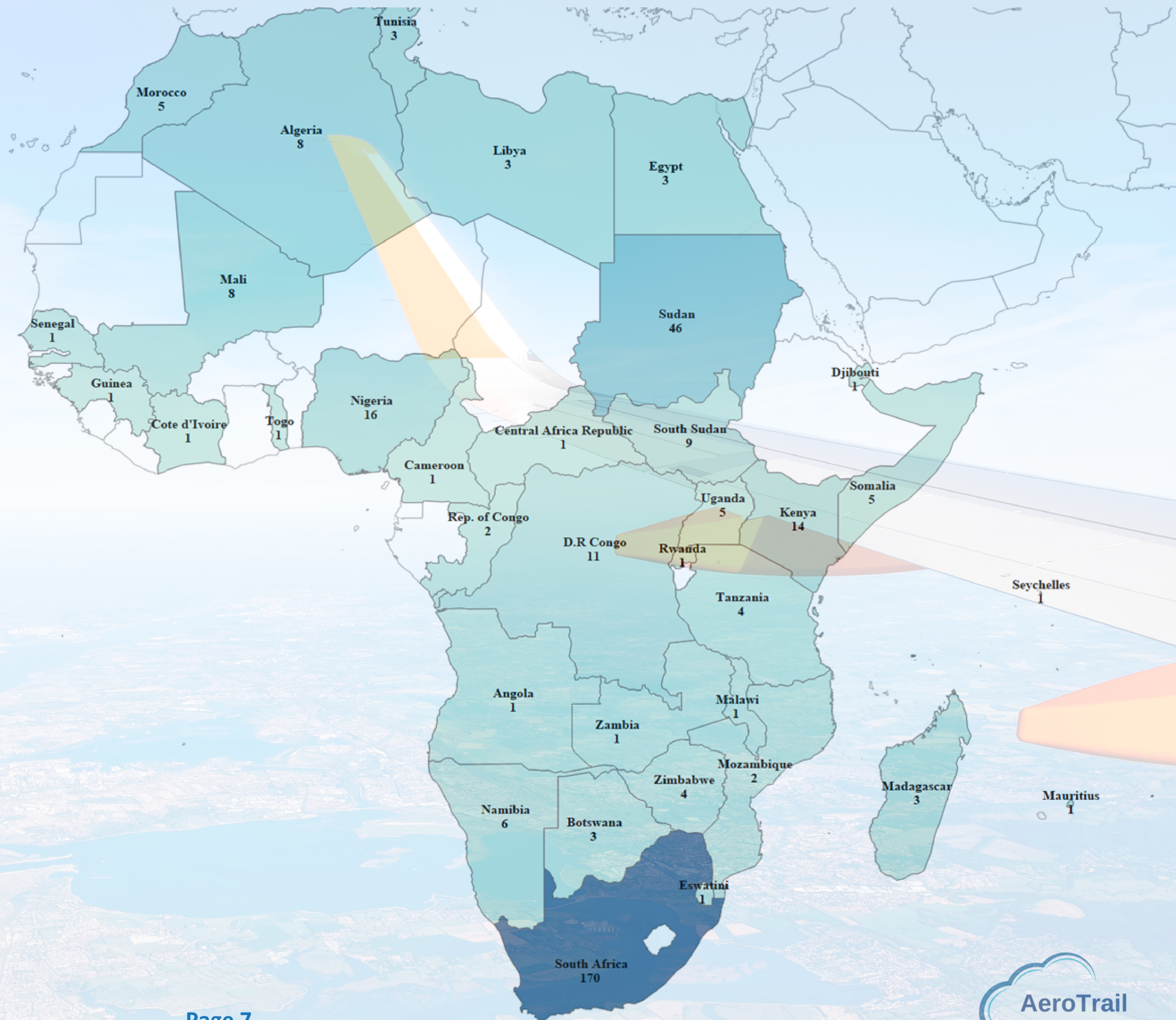


Regarding reported deaths, the United States leads with 329 reported aviation-related fatalities, followed by Nepal, Asia. South Africa is the only African country in the top ten globally, ranking at position ten.

AFRICA

There were 344 reported incidents/accidents from 35 of the 54 African countries. Of these, 43 incidents/accidents from 16 countries resulted in a total of 102 fatalities.

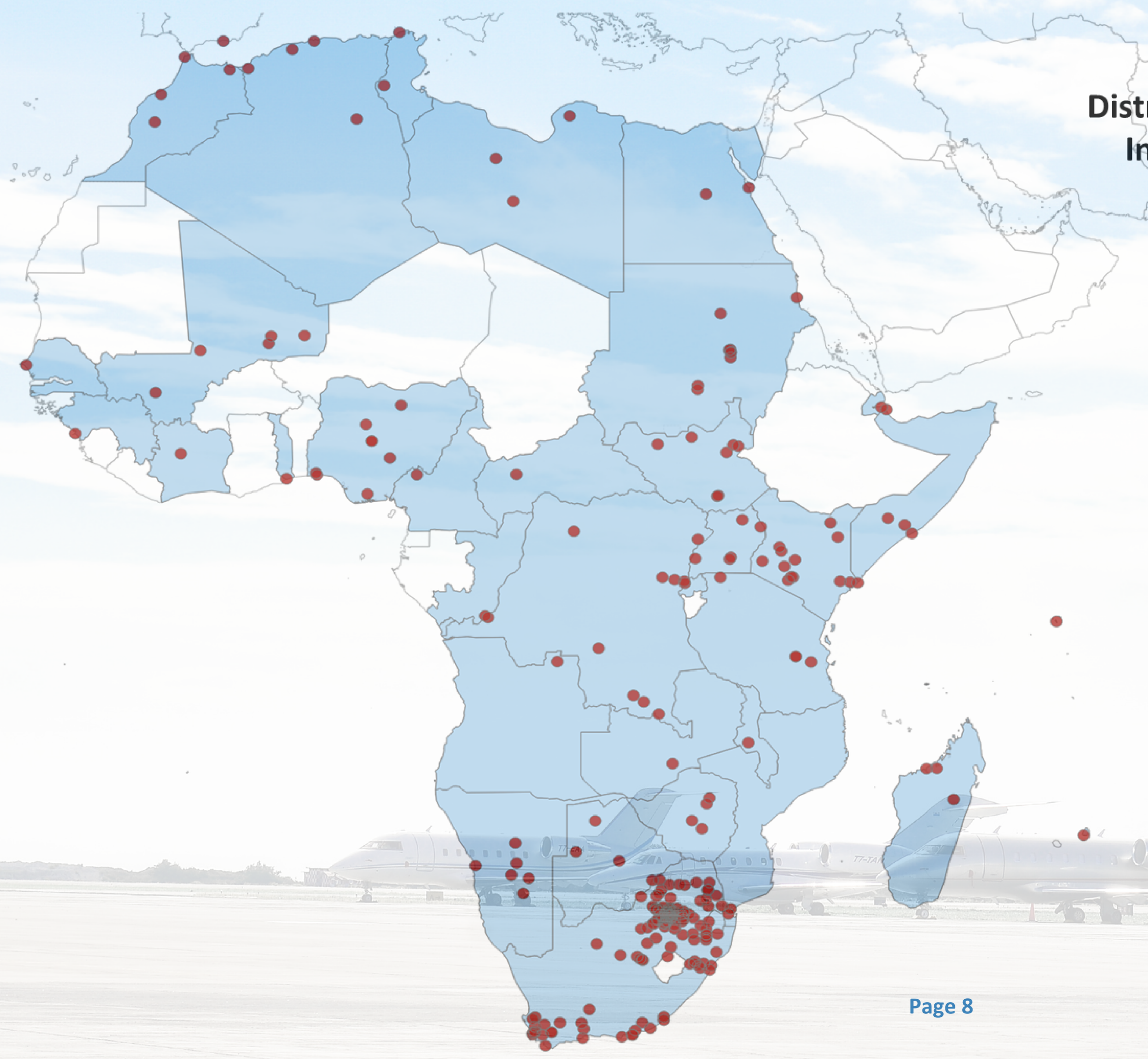
The oldest aircraft reported was a 1984 built Cessna 172P Skyhawk training aircraft that was substantially damaged while landing at Pretoria-Winderboom Airport in South Africa in December 9, 2023.



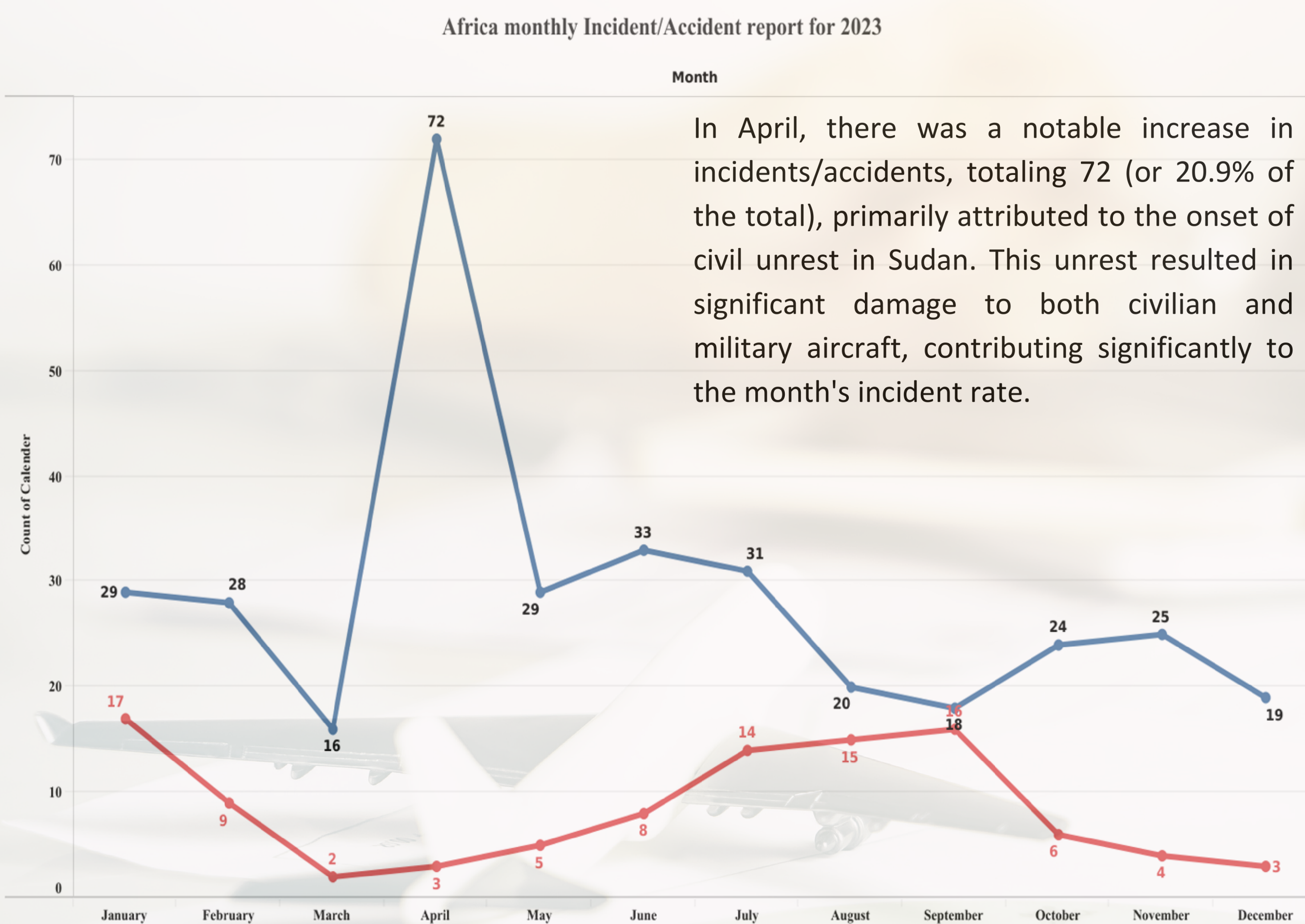
Distribution of the locations of the reported Incidences/Accidents in Africa for 2023

Southern Africa reported more than half of all incidents/accidents in the region, with South Africa alone accounting for 170 cases (49.4%).

The map on the left illustrates the distribution of these incidents/accidents across Africa.



Africa monthly Incident/Accident report for 2023



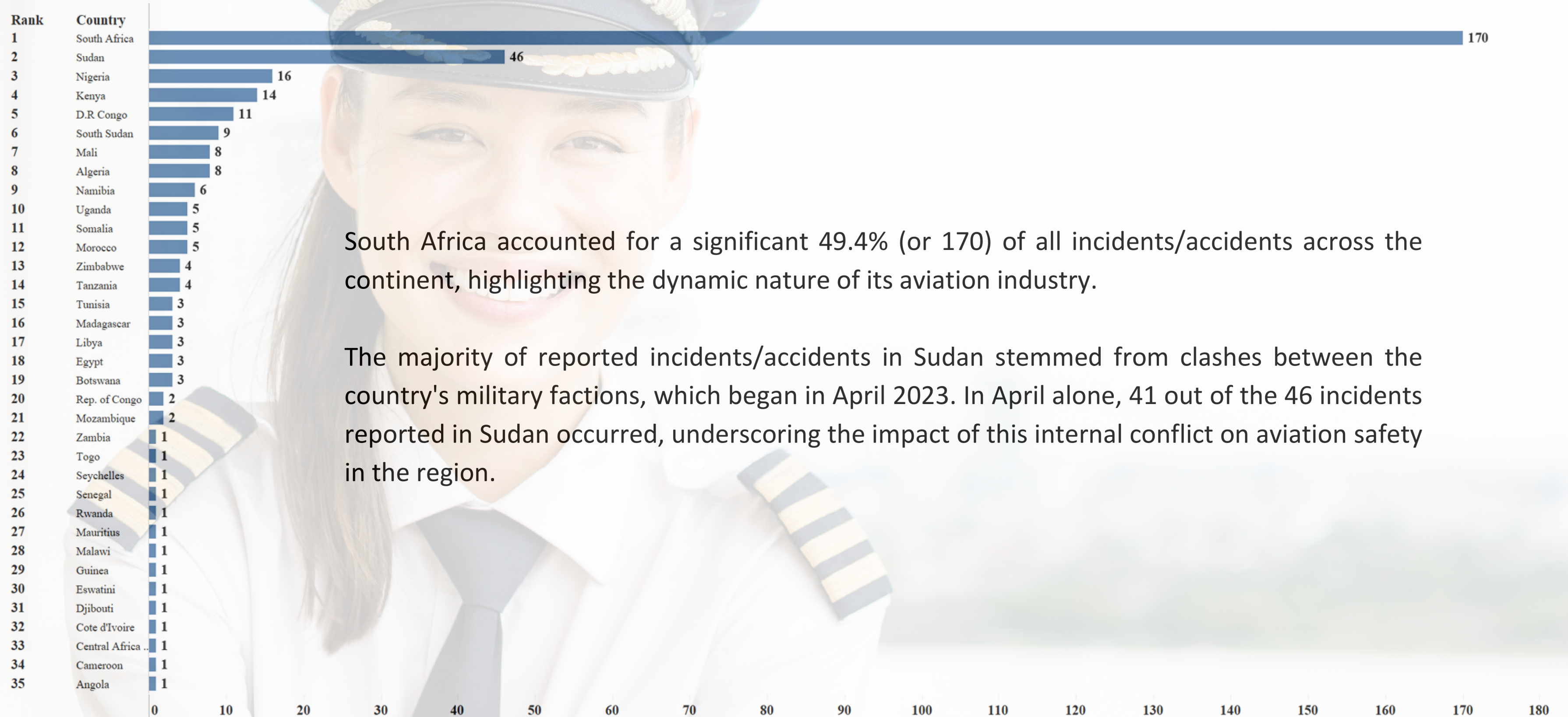
In April, there was a notable increase in incidents/accidents, totaling 72 (or 20.9% of the total), primarily attributed to the onset of civil unrest in Sudan. This unrest resulted in significant damage to both civilian and military aircraft, contributing significantly to the month's incident rate.

In January, the highest number of fatalities occurred, with 17 reported, followed closely by September, which recorded 16 fatalities.

The accidents that resulted in the most fatalities were as follows:

1. An Air Algerie B737 incident on August 3, 2023, which claimed 9 lives on the ground after colliding with a light pole at Tlemcen Zenata Airport in Algeria.
2. On July 23, an Antonov An-26 crashed in Sudan, resulting in the loss of 9 lives among the onboard passengers.
3. September 18 saw a tragic incident involving a Kenyan military helicopter, leading to the loss of 8 service personnel.

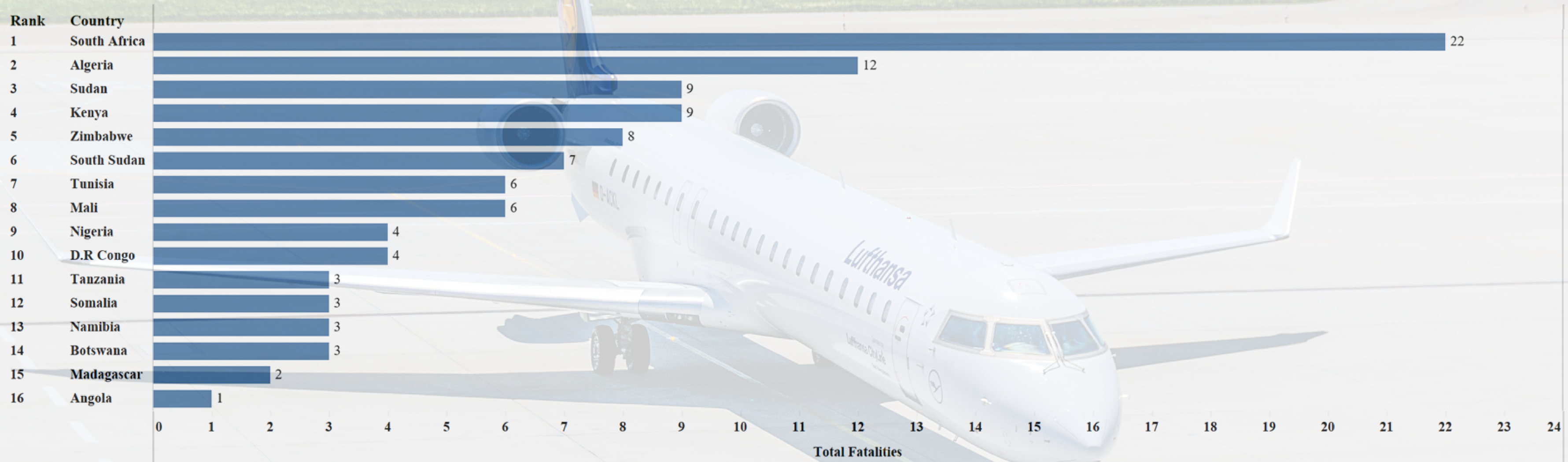
Reported incidences/accidents per country (2023)



South Africa accounted for a significant 49.4% (or 170) of all incidents/accidents across the continent, highlighting the dynamic nature of its aviation industry.

The majority of reported incidents/accidents in Sudan stemmed from clashes between the country's military factions, which began in April 2023. In April alone, 41 out of the 46 incidents reported in Sudan occurred, underscoring the impact of this internal conflict on aviation safety in the region.

Reported Fatalities per country (2023)

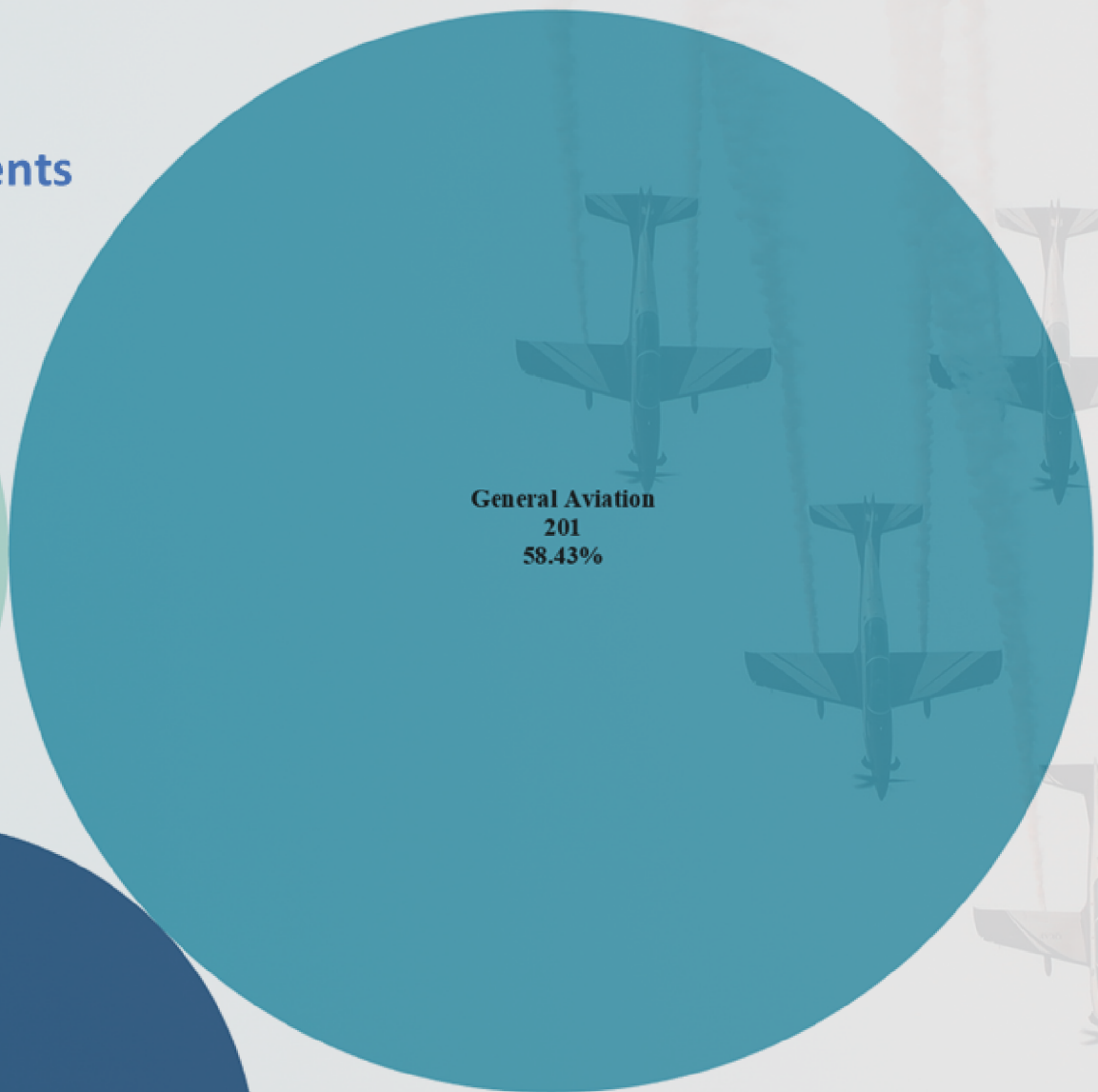
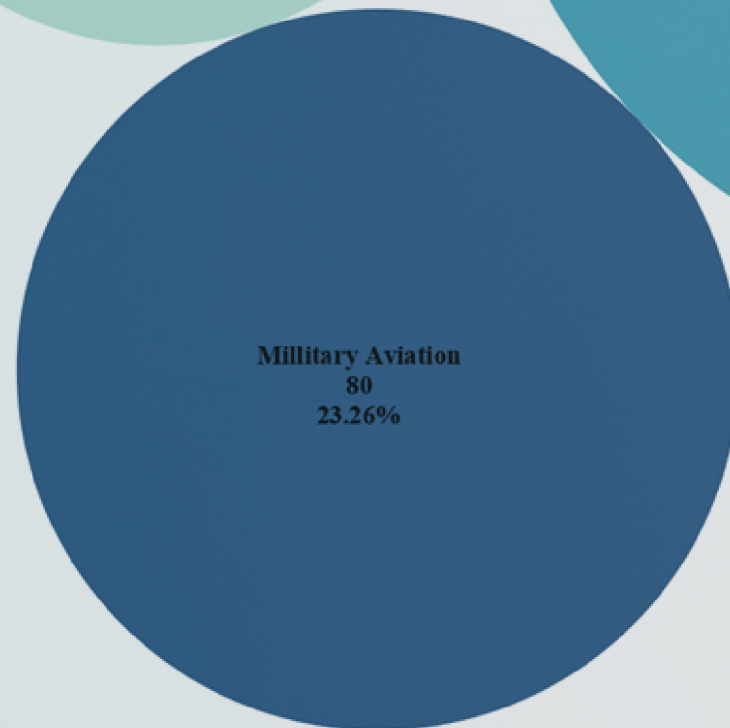
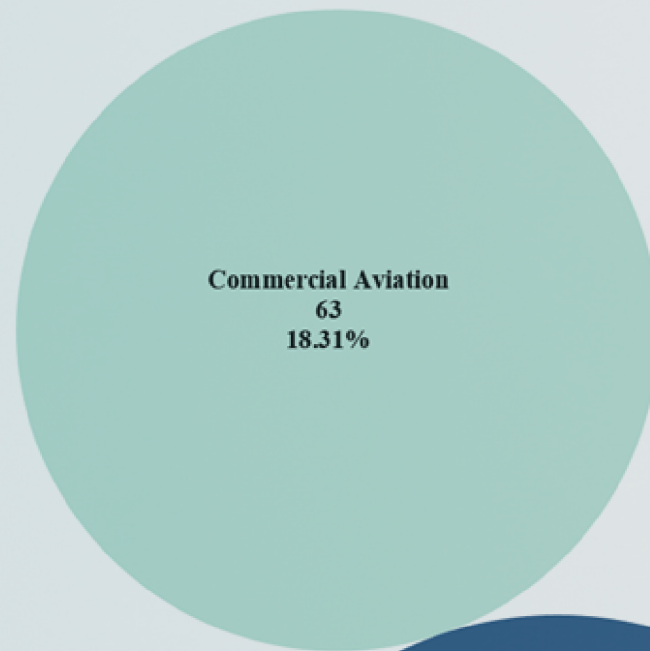


South Africa had the highest number of aviation-related fatalities, with 22 deaths out of the 170 reported incidents/accidents. This indicates a likelihood of a fatal injury per accident of 12.9%, which is notably lower than the global average of 24.8%.

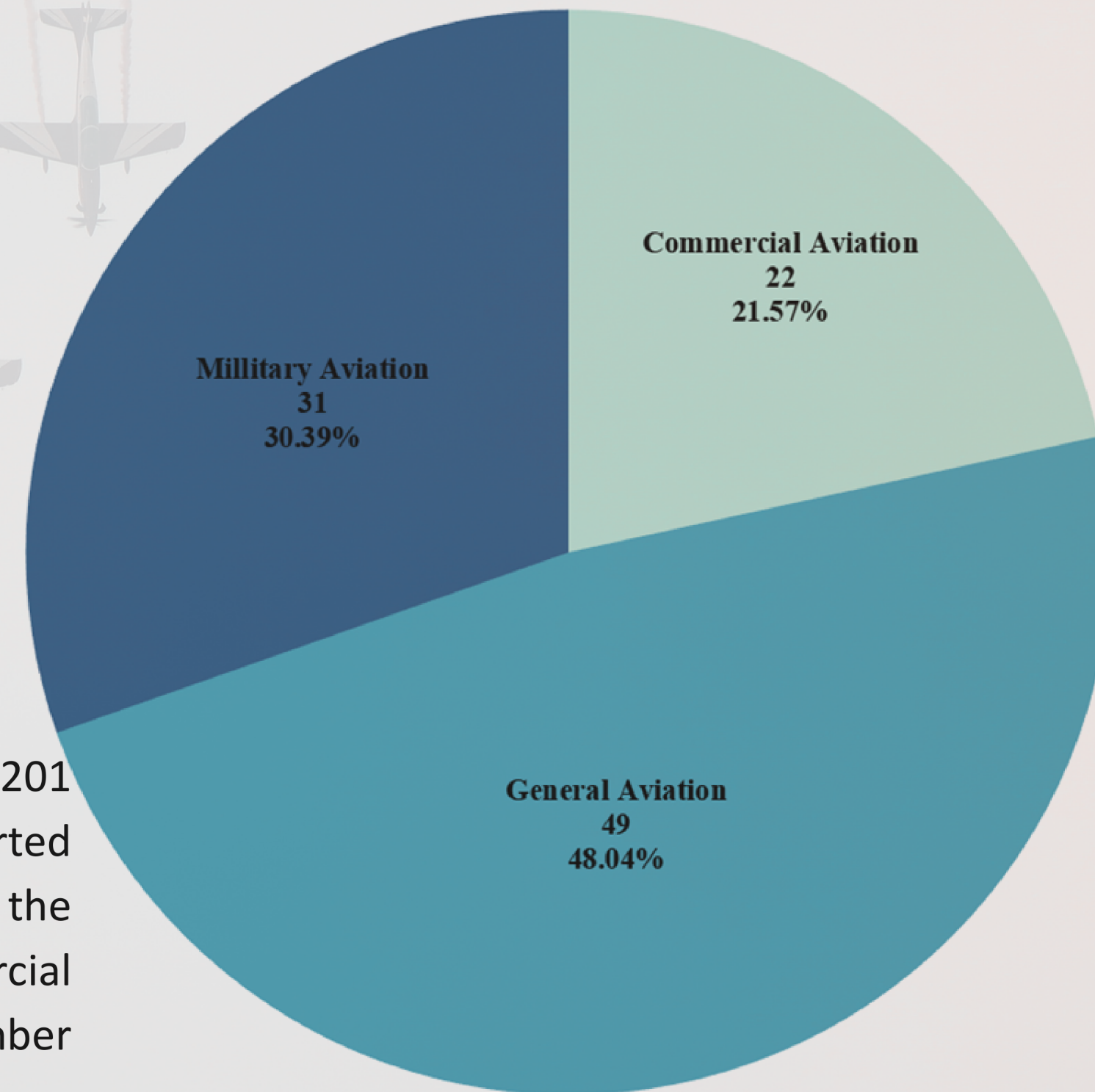
Interestingly, Algeria recorded the highest proportion of deaths per accidents at over 150%, followed by South Sudan (77%), Mali (75%), Namibia (70%), and Kenya (64.2%). These figures underscore the varying levels of aviation safety across different regions in Africa.

Comparison between Commercial/General/Military Aviation

Reported Incidences/Accidents

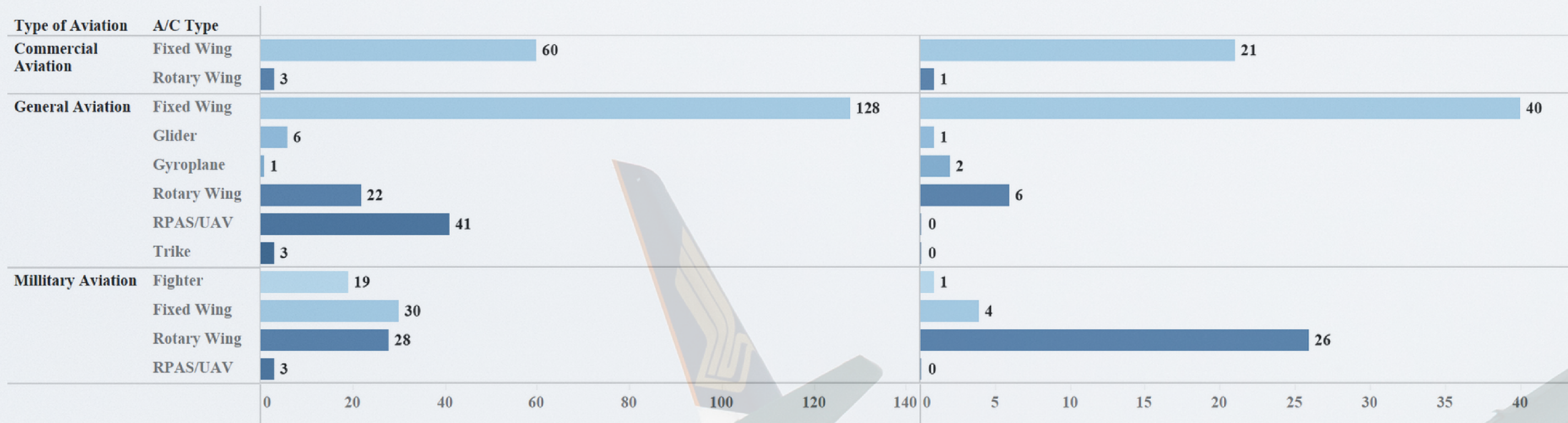


Reported fatalities



General Aviation accounted for 58.43% (or 201 incidents/accidents) of the total reported incidents/accidents in Africa, resulting in the fatalities of 49 people. Interestingly, Commercial Aviation in Africa experienced the lowest number of fatalities compared to other aviation sectors.

Distribution of the reported incidences/Accidents and fatalities based on Aircraft type (2023)



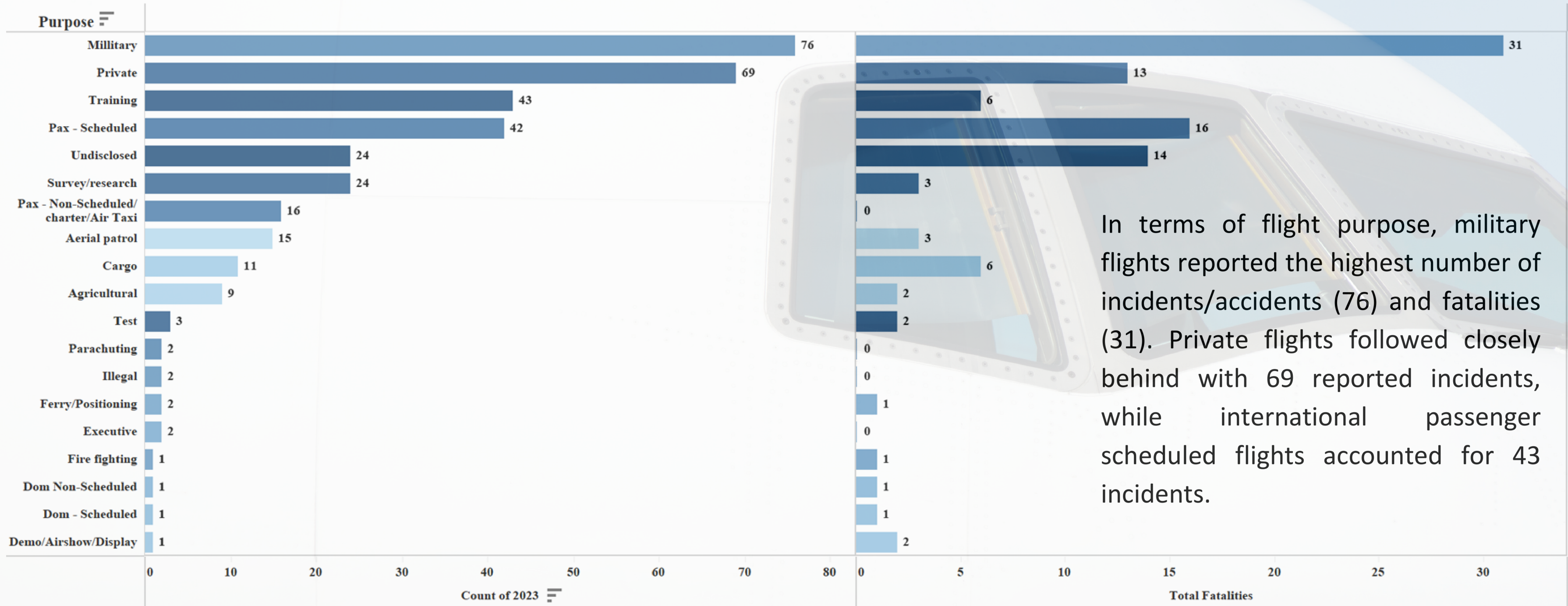
Rank	Country	Fixed Wing Reports	
		No.	Fatalities
1	South Africa	102	22
2	Sudan	29	9
3	Algeria	7	9
4	Zimbabwe	4	8
5	South Sudan	6	7

Rank	Country	Rotary Wing Reports	
		No.	Fatalities
1	Kenya	6	9
2	Tunisia	1	4
3	Nigeria	2	4
4	D.R. Congo	3	4
5	Somalia	2	3
6	Mali	2	3
	South Africa	19	0
	Sudan	7	0

Fixed-wing aircraft were the most frequently reported type of aircraft and accounted for 63.7% (65 out of 102) of aviation-related deaths in 2023. The majority of these incidents/accidents involved General Aviation.

Military Aviation reported the highest number of Rotary wing incidents/accidents and fatalities. Interestingly, despite South Africa reporting 19 rotary wing accidents, there were no fatalities resulting from these incidents. On the other hand, Kenya recorded the highest number of deaths (9) related to military aviation in 2023.

Reported based on flight purpose (2023)

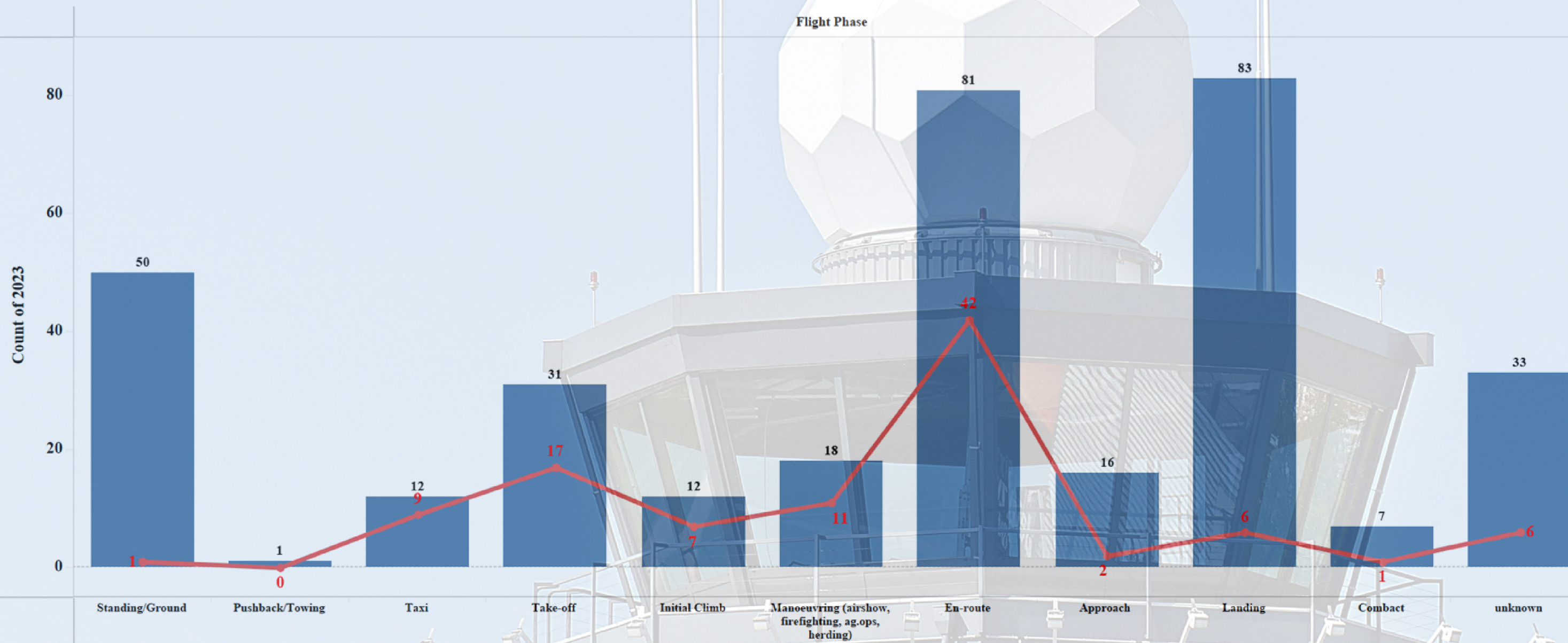


In terms of flight purpose, military flights reported the highest number of incidents/accidents (76) and fatalities (31). Private flights followed closely behind with 69 reported incidents, while international passenger scheduled flights accounted for 43 incidents.

Additionally, there were two noteworthy illegal flights reported. In Kenya, a juvenile stole a Piper PA-25-235 Pawnee on 24 March 2023 in an attempt to fly it, resulting in an incident. In Morocco, on December 19, 2023, a light plane involved in illegal drug transportation crashed.



Reports based on the flight phase



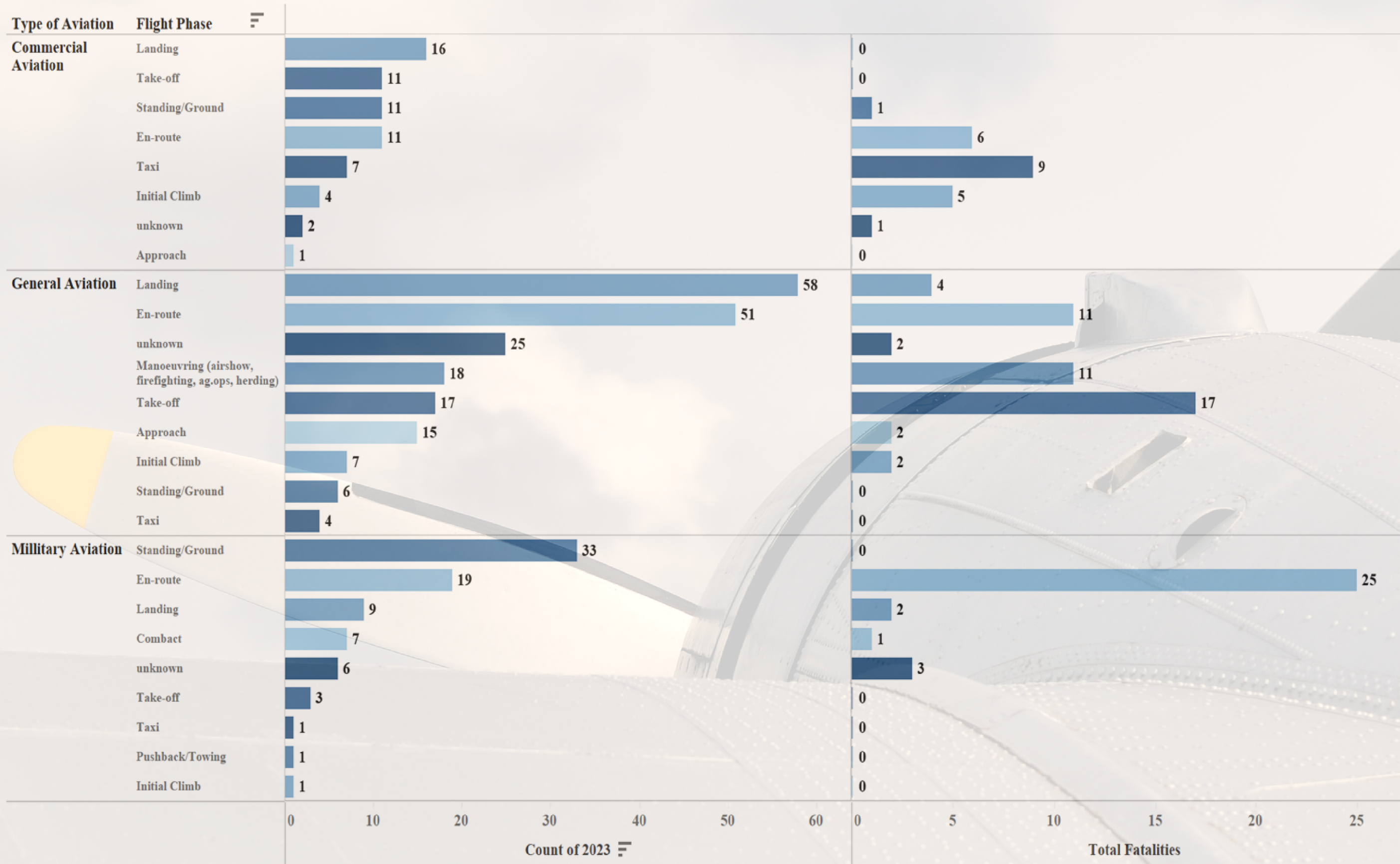
Measure Names

- Count of Calender
- Total Fatalities

Despite showing a high fatality-to-incident/accident ratio, all deaths recorded during the Taxi phase involved ground personnel due to an Air Algerie incident at Tlemcen-Zenata Airport (TLM/DAON) on August 3, 2023.

Aircraft in the Maneuvering phase (including airshows, firefighting, agricultural operations, herding, etc.) displayed a critical fatality-to-incident/accident ratio, with a 61.1% likelihood of death per accident. This was followed by the Take-off phase, which had a 54.8% probability of fatal injury per reported incident, and the En-route phase with a 51.6% probability. Ground operations or standing aircraft showed the least cause of death, with a single fatality reported in Kenya where an individual was struck and killed by a helicopter's tail rotor while on the ground on November 21, 2023.

Comparison of reported incidences/accidents and fatalities based on Type of Aviation and the Flight Phase



In General Aviation, the take-off phase emerged as the most critical concerning fatalities, followed by the en-route and maneuvering phases. Conversely, in Commercial Aviation, fatalities were most commonly associated with the taxiing, en-route, and initial climb phases of flight.

In Military Aviation, while ground operations were the most frequently reported, the en-route phase resulted in the highest casualties.

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