

Aerodrome Safety Planning & Implementation Group (ASPIG/6) Meeting

Bird Strike Analysis (Jan 2020 – Q1 2024)

26-29 May 2024 ; Muscat-Oman

Jehad Faqir-Head Regional Safety Africa & Middle East

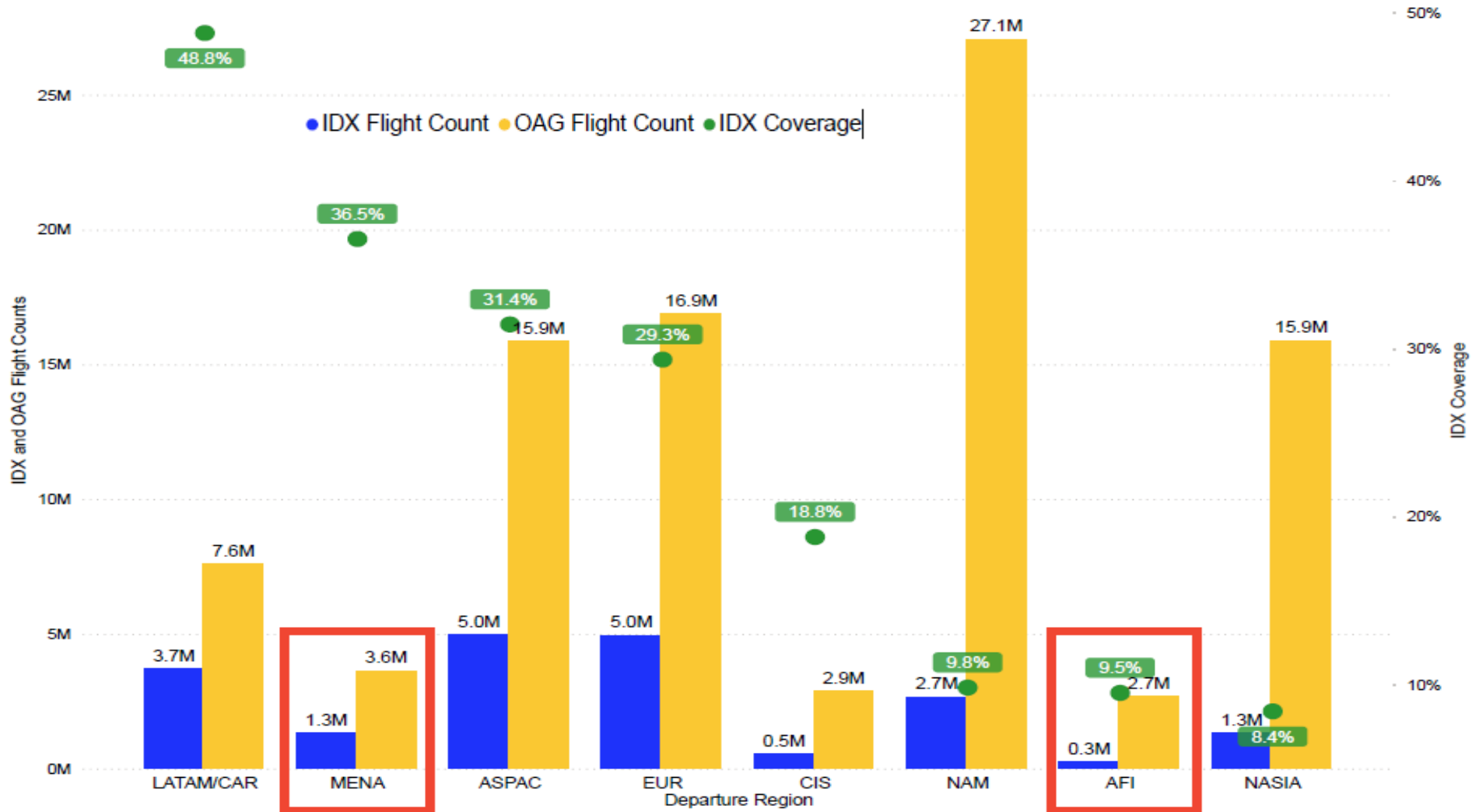


Bird Strike

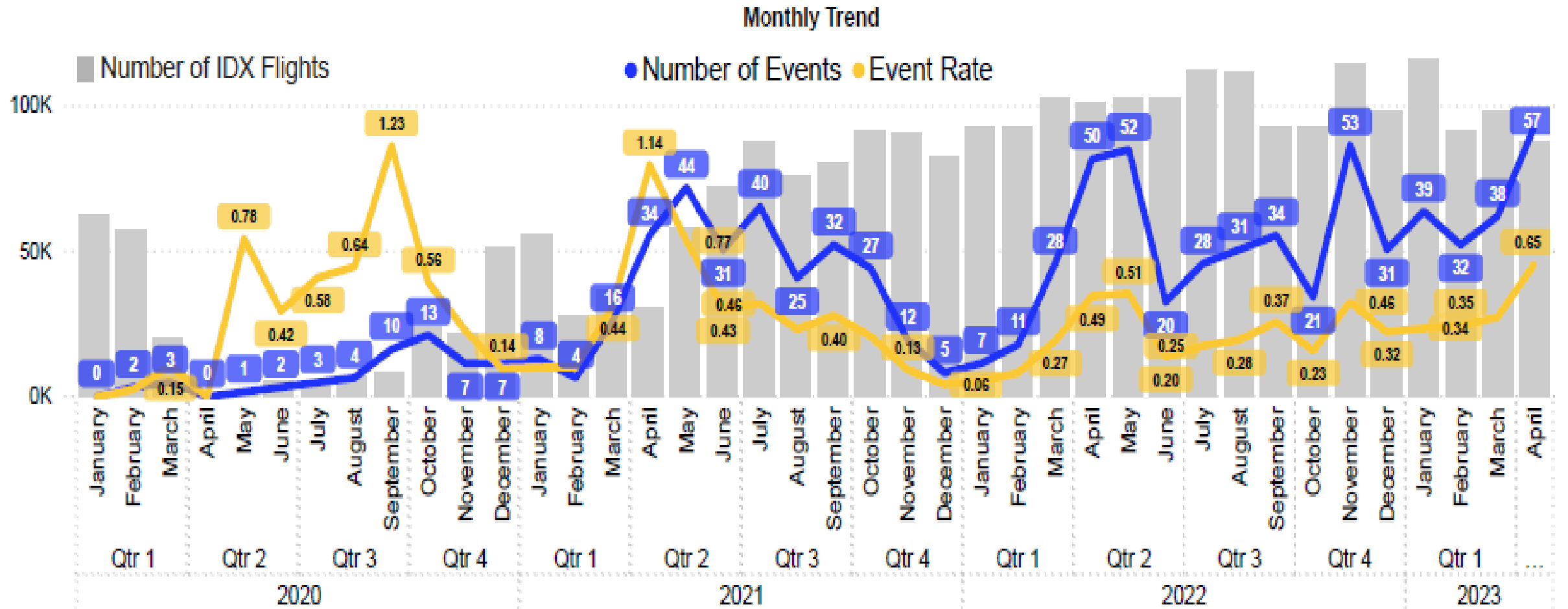
Source of Bird Strike Reports:

- Pilot reports a bird strike
- Aircraft maintenance personnel report
- Personnel on ground report seeing an aircraft strike one or more birds;
- Bird remains

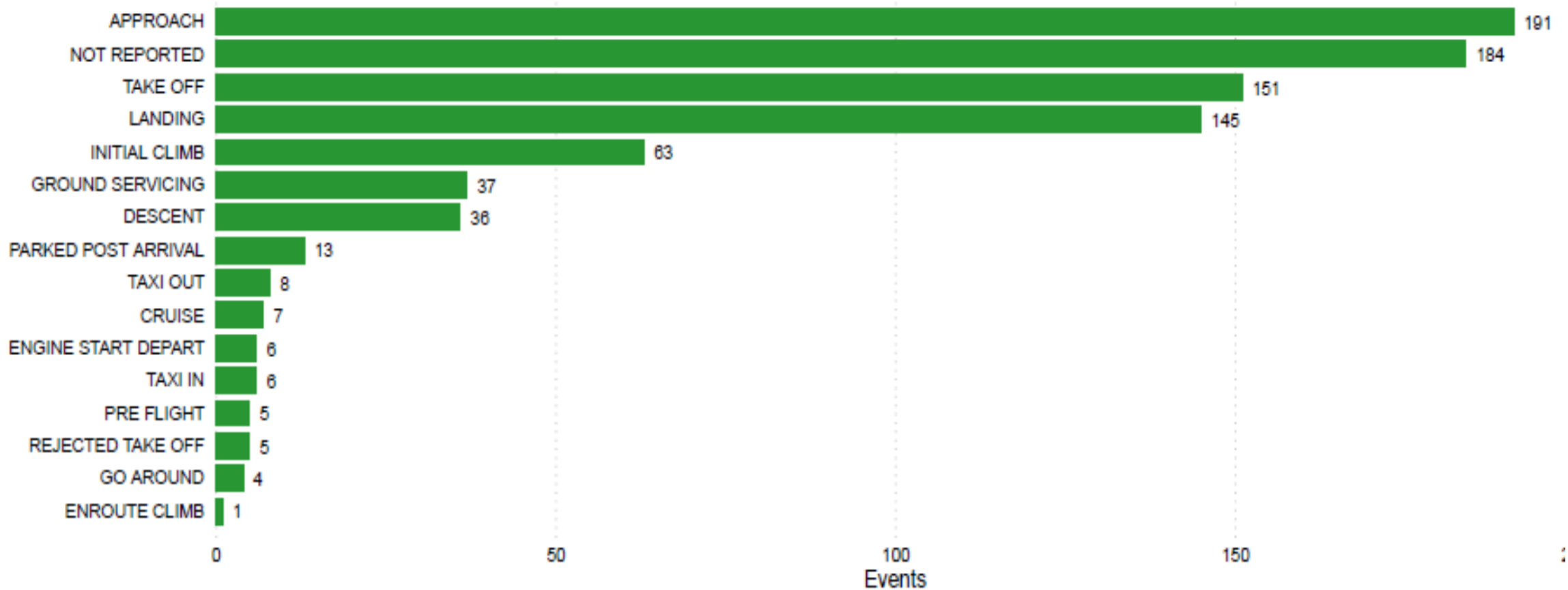
Bird Strike IDX Coverage - Global



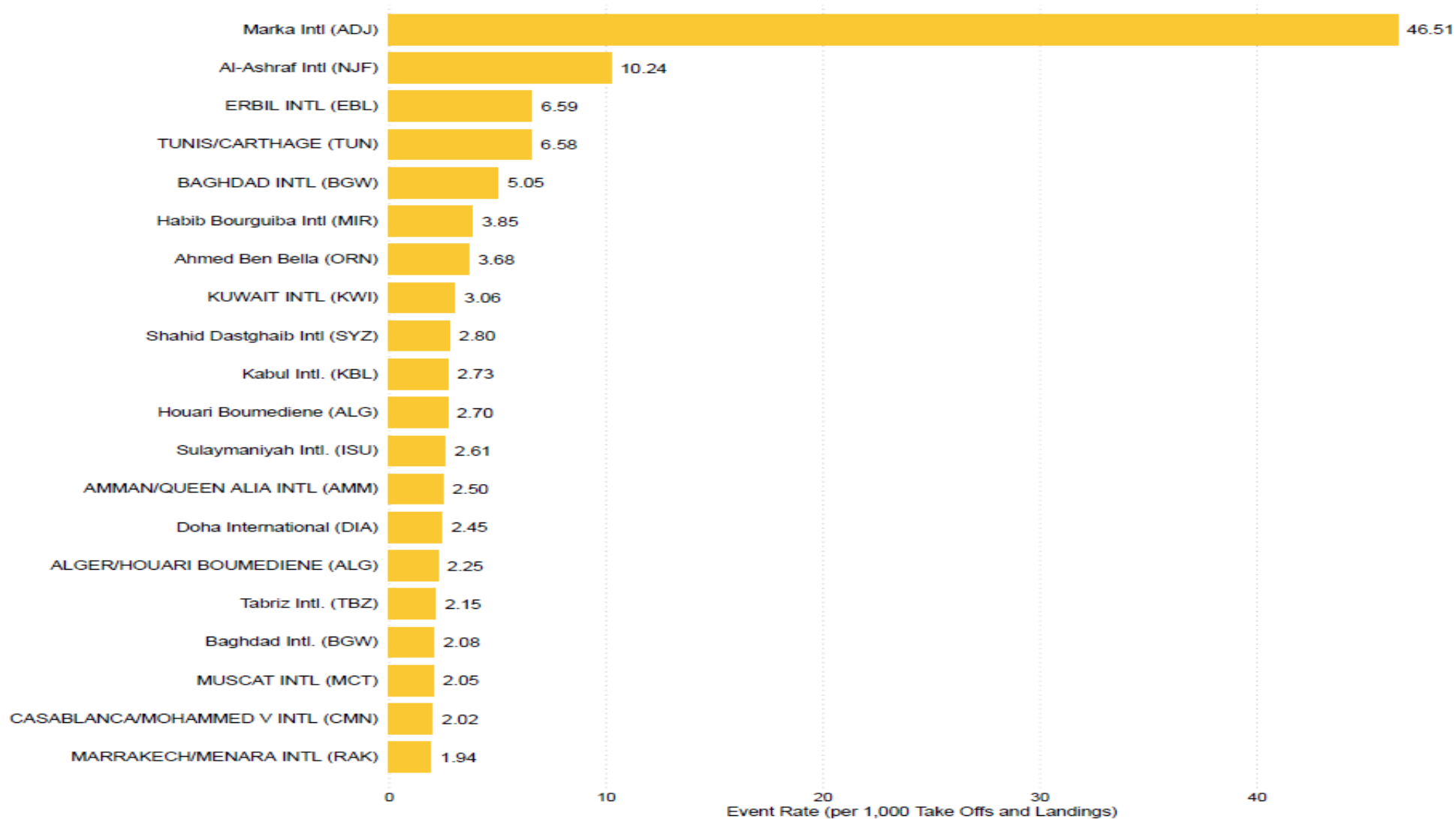
Bird Strike: Event Rates



Reported Flight Phase

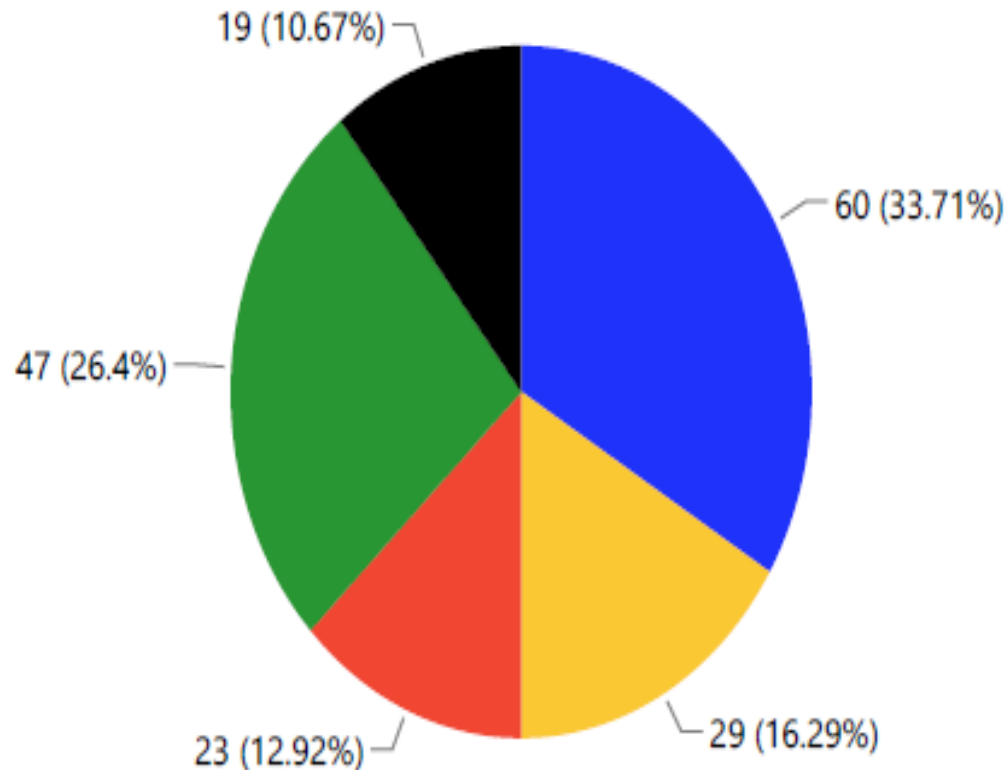


Bird Strike: Location of Events by Rate



Bird Strike: Reported Altitude

Distribution of Reported Altitude



The Pie Chart displays the distribution of the reported altitude ranges (in feet) of IDX Bird Strike events, where:

- The **blue** segment representing the number of Bird Strike Events with a reported altitude ranging from 0 to 49 ft.
- The **yellow** segment representing the number of Bird Strike Events with a reported altitude ranging from 50 to 499 ft.
- The **red** segment representing the number of Bird Strike Events with a reported altitude ranging from 500 to 1499 ft.
- The **green** segment representing the number of Bird Strike Events with a reported altitude ranging from 1500 to 9999 ft.
- The **black** segment representing the number Bird Strike Events with a reported altitude exceeding 10,000 ft.

62.92% of the Bird Strike Events providing an altitude measure reported a value below 1500 ft.

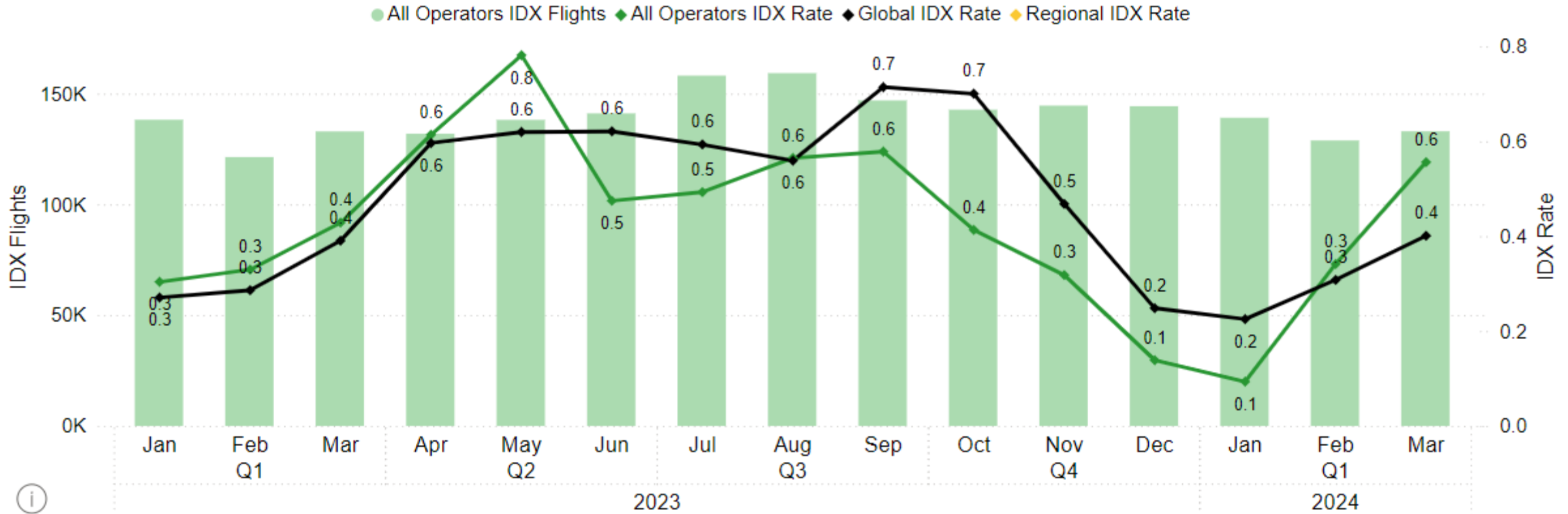
Bird Strikes (MENA) 2023-Q1 2024

All Operators IDX Rate

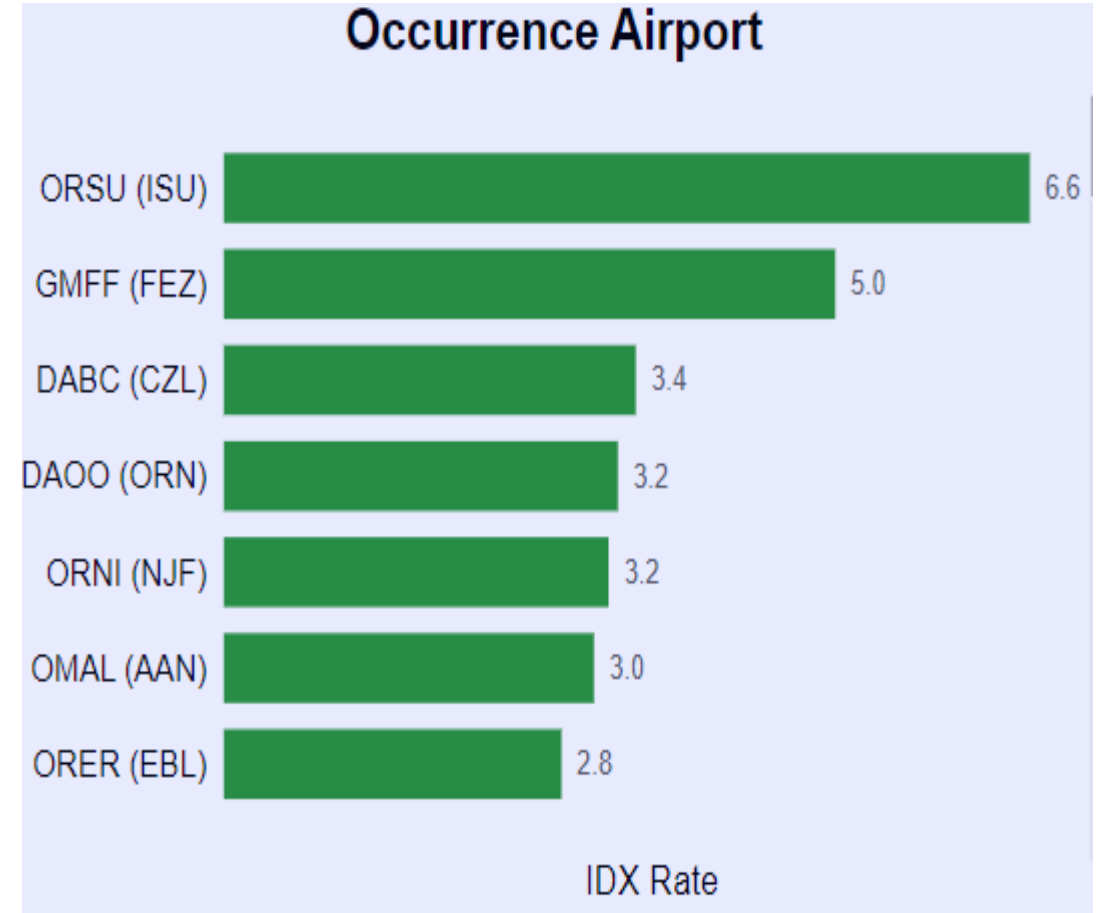
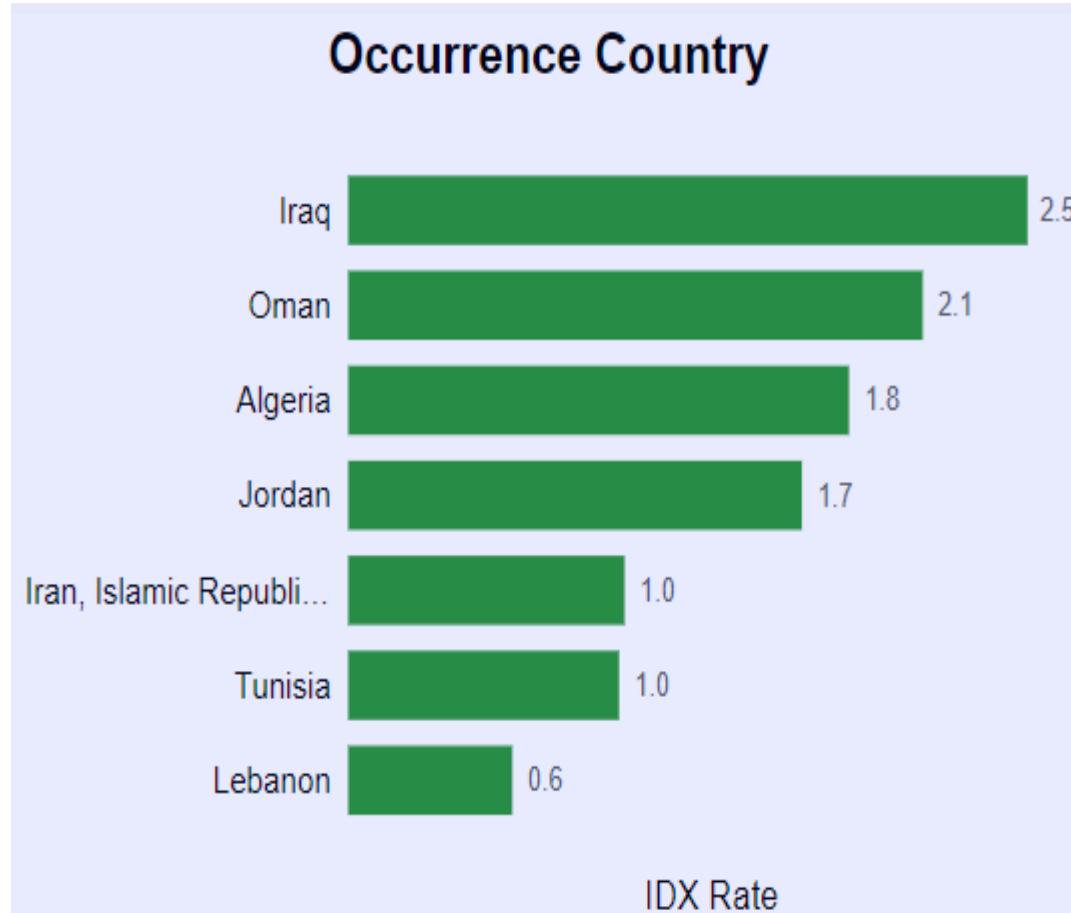
0.43

Global IDX Rate

0.48

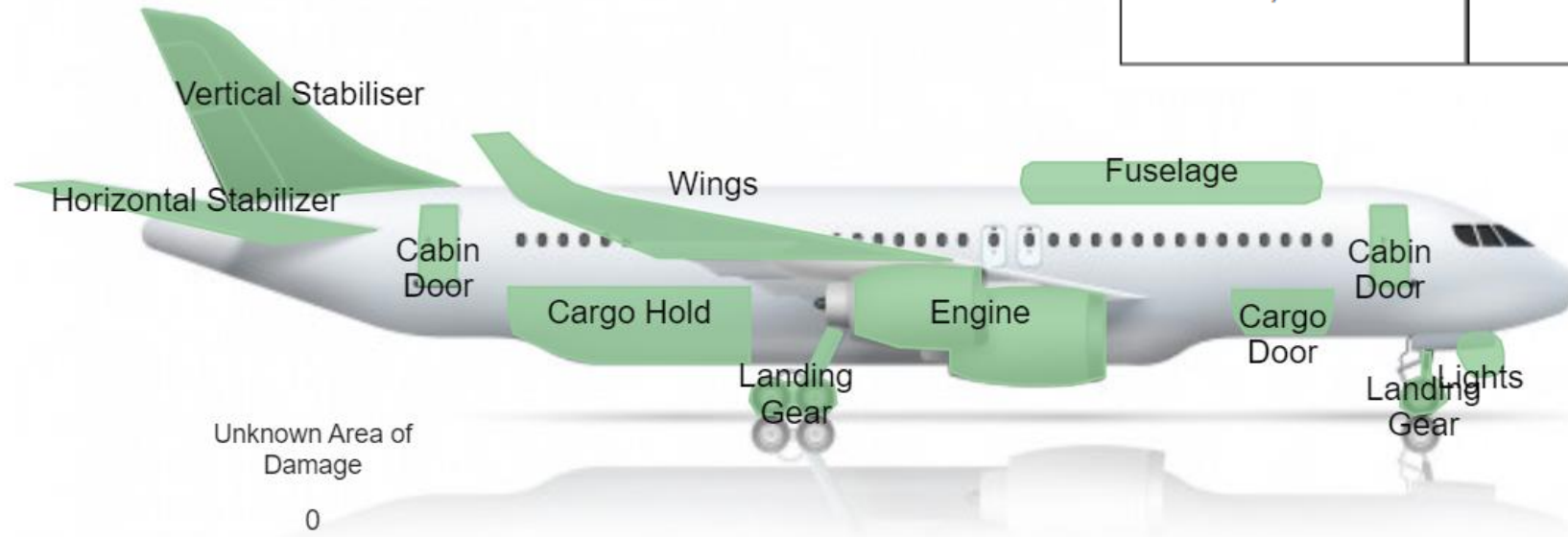


Bird Strikes Occurrences



Damage Location

IDX Bird Strike Event Count	Number of IDX Bird Strike Events with Aircraft Damage reported
1,726	68

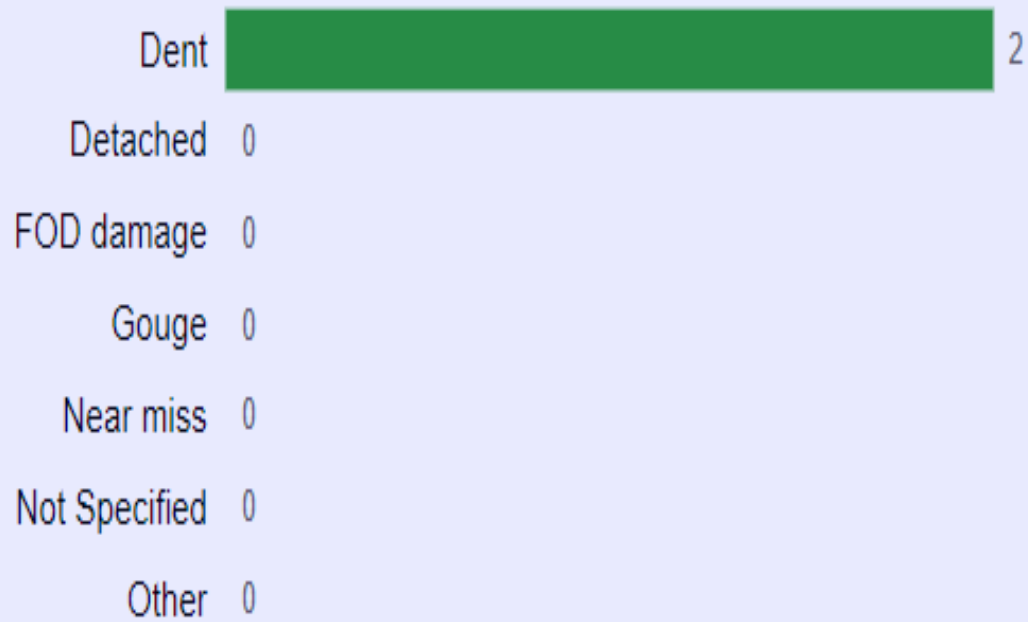


Color codes are based on the **total number of events** reported in the IDX program:



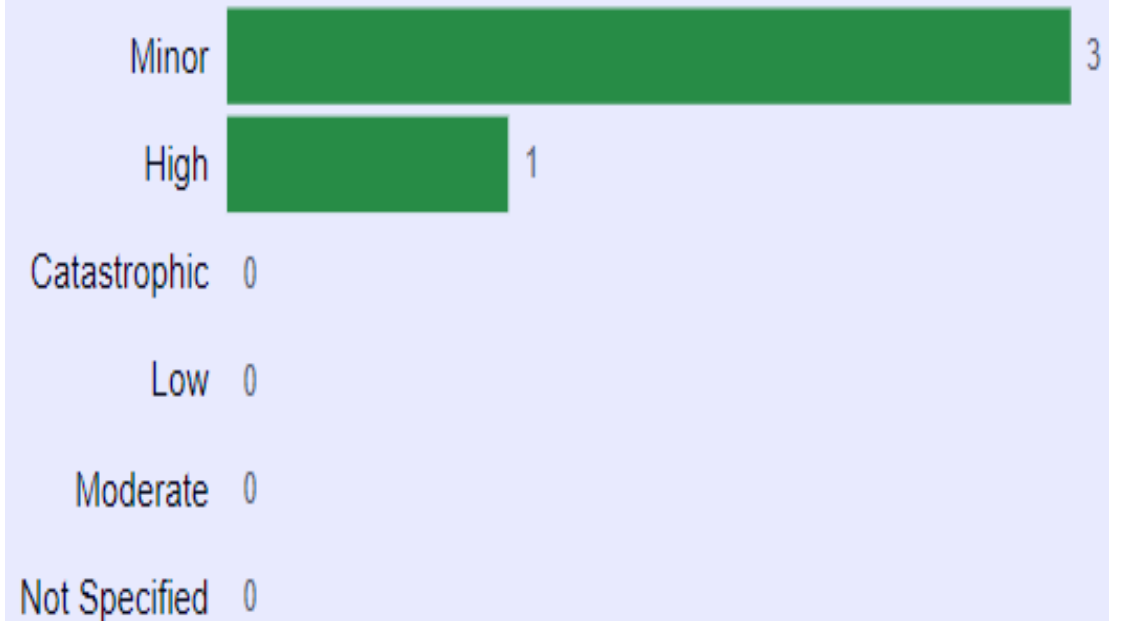
Impact & Damage

Type of Aircraft Damage



IDX Events

Operational Impact/Severity



IDX Events

Summary/Recommendation

- Bird strikes pose a significant operational risk, carrying substantial financial implications and the potential to contribute to loss of control during flight, resulting in severe and undesirable outcomes.
- The data suggests a rise in bird strikes occurrences.
- Encourage feedback from the States and operators regarding the occurrence of bird strikes.(operators to Join IDx)
- It is crucial for stakeholders to proactively address and mitigate the surge in bird strike incidents .

Thank you.

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