The accident categories with fatalities in 2018 were:

- Loss of Control - In-flight (3) with 372 fatalities
- Runway Excursion (2) with 52 fatalities
- Controlled Flight into Terrain (1) with 66 fatalities
- In-flight Damage (1) with one fatality
- Undershoot (1) with one fatality

Insufficient data for the IATA Accident Classification Technical Group (ACTG) to assign an end state (3) with 31 fatalities

The number of non-fatal accidents by category in 2018 were:

- Runway Excursion (13) • Ground Damage (9) • Gear-up Landing/Gear Collapse (9) • Tail Strike (8) • In-flight Damage (6) • Hard Landing (4) • Loss of Control - In-flight (1) • Other end state (1)

In 2018: The global accident rate was 1.35 per million sectors, compared to 1.08 for IATA members.

- The all-accident rate for airlines on the IOSA registry was more than two times better than that of non-IOSA airlines (IOSA : Non IOSA = 0.98 : 2.16).
- 43% of the world’s accidents in 2018 occurred in the AsiaPacific (ASPAC) and Europe (EUR) regions.
- 26% of the world’s accidents in 2018 involved ASPAC-based operators.

- There were 15 accidents in the ASPAC region, 14 involving ASPAC-based operators, including six Runway Excursions.
- The largest number of accidents occurred in Generation 3 jets and Generation 4 jets.
- There were no fatal accidents in Generation 4 jets.
- 76% of the world’s accidents involved jets, the remaining 24% involved turboprops. The global turboprop fleet is around one-sixth the size of the jet fleet.
- Nine of the 11 fatal accidents in 2018 were passenger operations, which accounted for 98% of all fatalities.