

EASA PRELIMINARY SAFETY REVIEW 2018

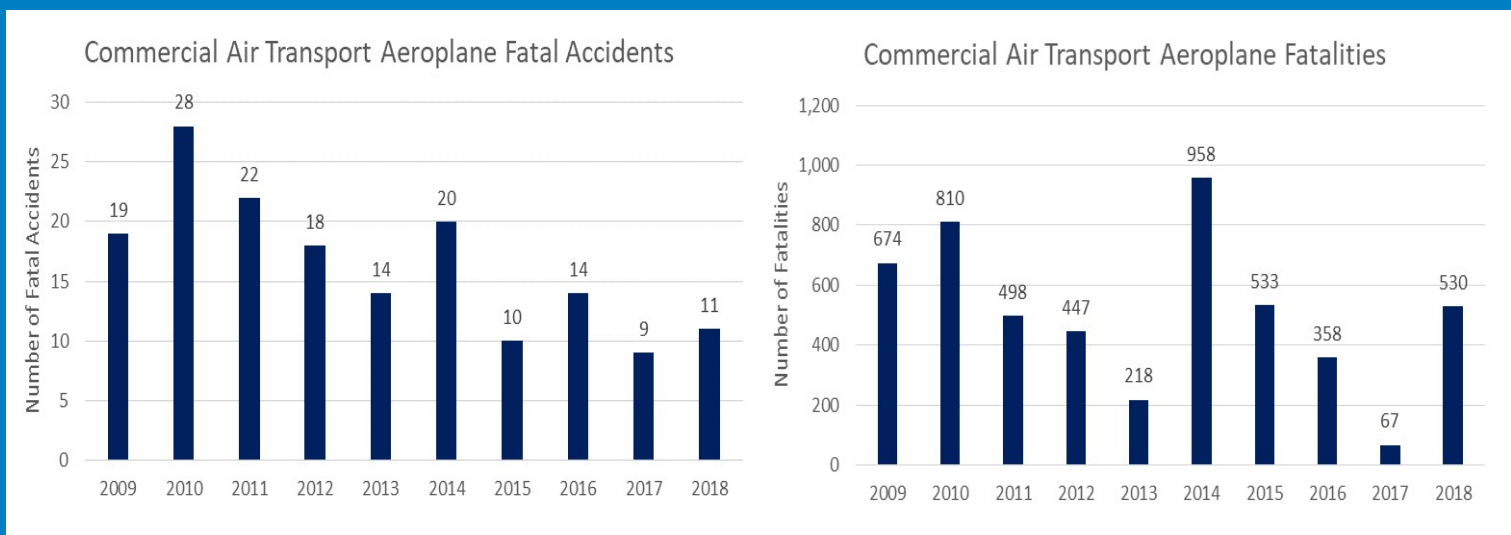
Commercial Air Transport Operations

2017 was considered the safest year ever in commercial aviation history, nevertheless the events in 2018 were a reminder that safety should not be taken for granted. Worldwide in 2018 there were 530 fatalities in 11 fatal accidents, setting us back to a level not experienced since 2015.

The detailed figures for Europe show that there were no fatal accidents involving commercial passenger airlines, however 20 persons were killed in a fatal accident involving a sightseeing flight using a historic aircraft in the Swiss Alps.

The key message from the European Union Aviation Safety Agency (EASA) is that we should never be complacent with safety and remain persistent in our efforts devoted to protecting passengers and citizens. Furthermore, EASA is committed to the collaborative safety efforts to ensure that risks at European Level and worldwide are identified and mitigated effectively.

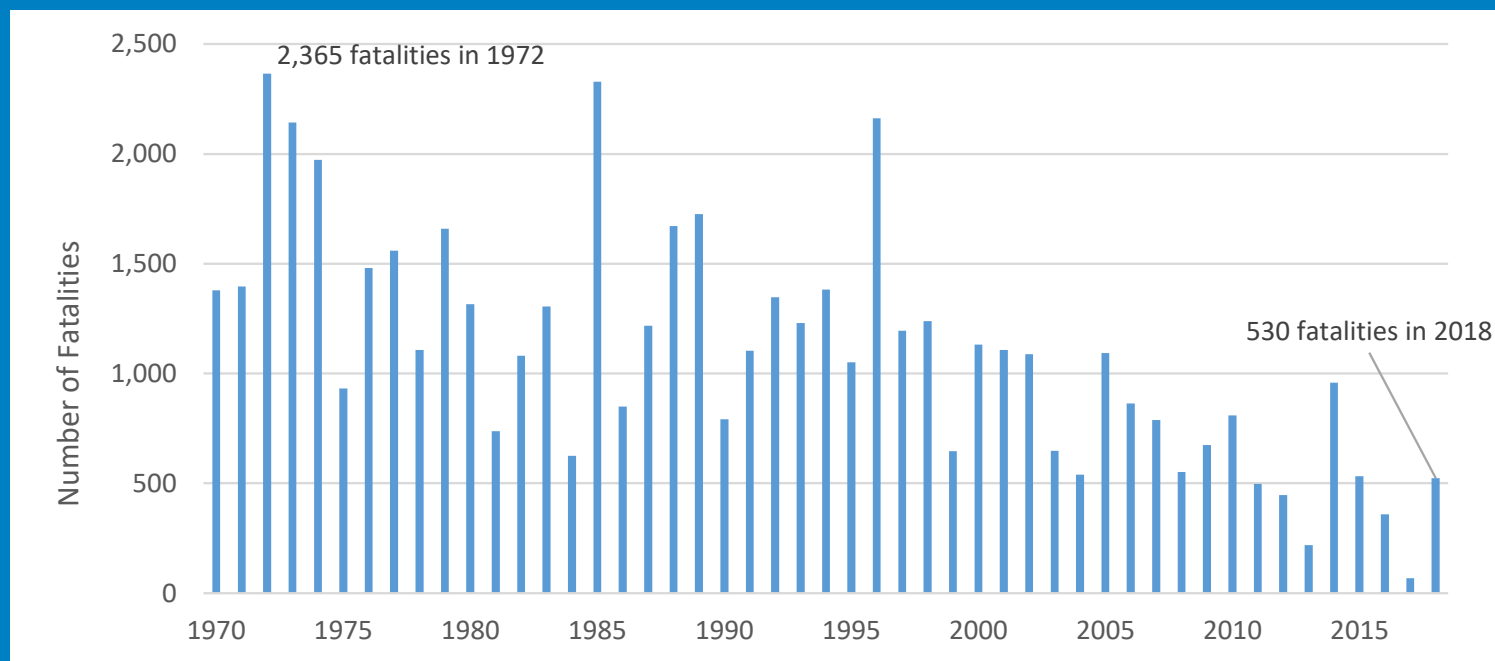
WORLDWIDE COMMERCIAL AEROPLANE OPERATIONS



Figures show that there were 11 fatal accidents and 530 fatalities at a global level for commercial air transport involving large aeroplanes. Despite there being the same number of fatal accidents in 2018 compared with the previous year, there were the highest number of fatalities since 2015.

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Looking at the number of fatalities since 1970 the number of fatalities in 2018 is still significantly below even recent historical figures in the 1990s and 2000s. The technological advances in aviation and the industry's efforts to introduce Safety Management Systems (SMS) helps to maintain aviation as a very safe form of transport.



The following fatal accidents occurred during 2018:

- 11 February – An148 crashed during climb out near Dergayevo, Russia, with 71 fatalities
- 18 February – ATR72 crashed into the Dena Mountains, Iran, with 66 fatalities
- 11 March – CL600 crashed in mountainous terrain in bad weather conditions near Shahr-e Kord, Iran, with 11 fatalities
- 12 March – DHC8 overran the runway and fell down a slope at Kathmandu-Tribhuvan Airport, with 51 fatalities
- 17 April – B737 experienced a sudden decompression due to an uncontained engine failure, NW of Philadelphia, USA, fatally injuring a passenger.
- 18 May – B737 lost height shortly after take-off and crashed, with 112 fatalities
- 4 August - JU-52 accident in elevated terrain (Alps, Switzerland) for as yet unknown reason, with 20 fatalities
- 28 September – B737 short landing in a lagoon during an attempted landing in stormy weather, 1 fatality
- 28 October – B737 crashed into the sea soon after take-off with 189 fatalities
- 9 November – B757 overran the runway on landing at Georgetown, Guyana, with 1 fatality.
- 20 December – An26 crashed on approach to Kinshasa airport with 7 fatalities

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Aviation Safety in the EASA Member States

There were no fatal accidents in commercial airline operations involving an operator from the EASA Member States. However, there was one fatal accident in commercial operations with aeroplanes, which was a Junkers JU-52 that crashed in elevated terrain in the Alps of Switzerland on 4 August 2018 with the loss of 20 lives. This accident involved a historic aircraft built in 1939, although the aircraft was undertaking a commercial flight it was a unique event compared with traditional airline operations.

Key Risk Areas for Commercial Air Transport involving Aeroplanes

Over the past 5 years between 2014 and 2018, accidents and serious incidents involving large aeroplane commercial air transport operations most commonly involved the following Key Risk Areas, otherwise known as potential accident outcomes:

- Aircraft Upset.
- Runway Excursions.
- Technical Faults relating to Aircraft Pressurisation or Fire.

These Key Risk Areas are reflected in the European strategic safety priorities that are identified in the European Plan for Aviation Safety (EPAS). The EPAS identifies both the accident outcomes that we are looking to prevent and the safety issues that we need to address through mitigating actions.

Aviation Safety in the EASA Member States for Other Aviation Domains

EASA is pleased to also provide some key headlines on aviation safety in other aviation domains. The key headlines from the preliminary analysis are:

- In small aeroplane commercial air transport operations there was one fatal accident involving operators from the EASA MS, which was the same as 2017.
- For specialised operations involving aeroplanes (such as aerial advertising, crop spraying, air shows, photography and parachute dropping) there were 7 fatal accidents, compared with a 5 year average of 8.8 per year.
- In all areas of commercial rotorcraft (helicopter) operations and specialised operations there were 4 fatal accidents in 2018.