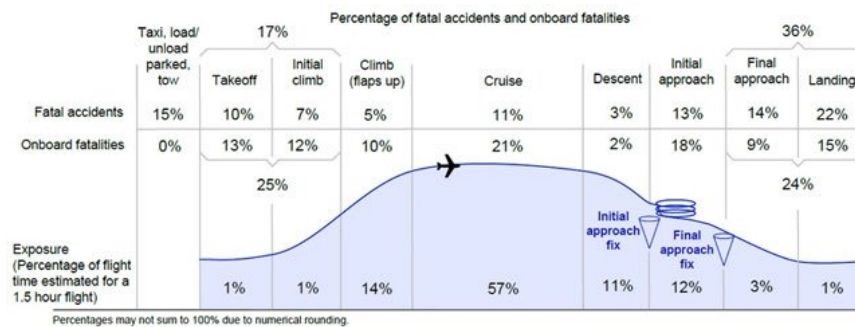


Why is the process of flight taking off and landing the most dangerous?

According to Boeing, a 90-minute flight is divided into 8 stages, of which takeoff and landing are known as the two most dangerous stages.

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After taking a look at all of the commercial aircraft crashes that occur every year and sort by the time of the accident, Boeing gave the chart below.



Two stages of takeoff and altitude, accounting for only 2% of the flight time, but the accident rate was 14%. The altitude maintenance phase accounted for half of the flight time but the incidence of accidents was lower, at only 11%. The highest chance of having an accident, up to 49%, falls during the descent and landing takes up only 4% of the flight time.

When the aircraft is at an altitude of 10,000m, if an incident occurs, the pilot will have a long time to resolve. In the event that the aircraft's engine is completely off, it will not be able to fall immediately to the ground, it may even glide in the airflow. In that state, the aircraft will descend at an altitude of about 1,600m for every 16,000m moving forward giving pilots about 8 minutes to be able to find a safe landing location.



The crash rate of the takeoff and landing stages is high because at that time, the aircraft will be low altitude and slow, so when the pilot problem does not have enough time to react. . The take-off of commercial aircraft takes only about 30 to 35 seconds. If something goes wrong, it doesn't have enough time to make a decision to continue taking off or try to land the plane.

In most cases, the pilot will decide to continue to take off because stopping taking off while traveling on the runway at speeds over 160km / h is very difficult. You can only do that before the aircraft reaches the speed limit allowed, otherwise not impossible.



If the plane doesn't take off it will go all the way. Usually, at the end of the runway is a field.

So what makes the landing process much more dangerous than taking off?

Quite simply, when an aircraft moves slowly and is in the process of landing on a runway, it is more susceptible to impact than takeoff. A wind or something like that can hit a plane hard, an unfortunate situation will also lead to an accident.

However, among the vehicles, aircraft is still the most vehicles.

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