

Travel by Air and its safety

Air Travel and its Safety



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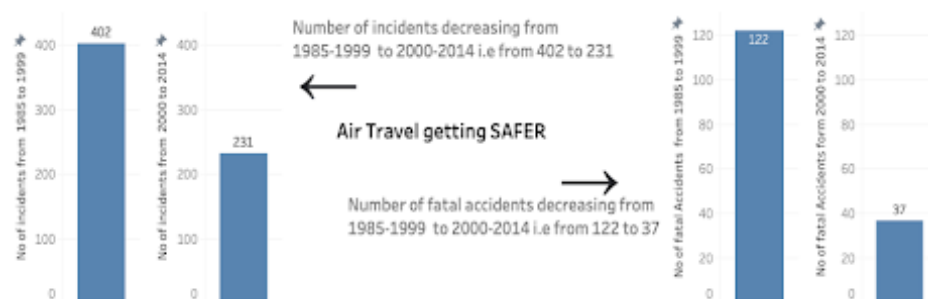
Everyday Federal Aviation Administration (FAA) is handling more than 45,000 flights and at the peak operational time there are about 5,400 aircraft in the sky. When people travel through airplanes they usually have a mindset of whether it is safe or not. This is because we are under other's control and are not touching the ground. This can be compared with people driving their vehicles, where people always feel safe as they are controlling the vehicle themselves and can pull over immediately if something goes wrong with the vehicle. Air travel is the safest means of transportation but it is still being brought into the conversation regarding passenger's safety.



Source: calaero.edu

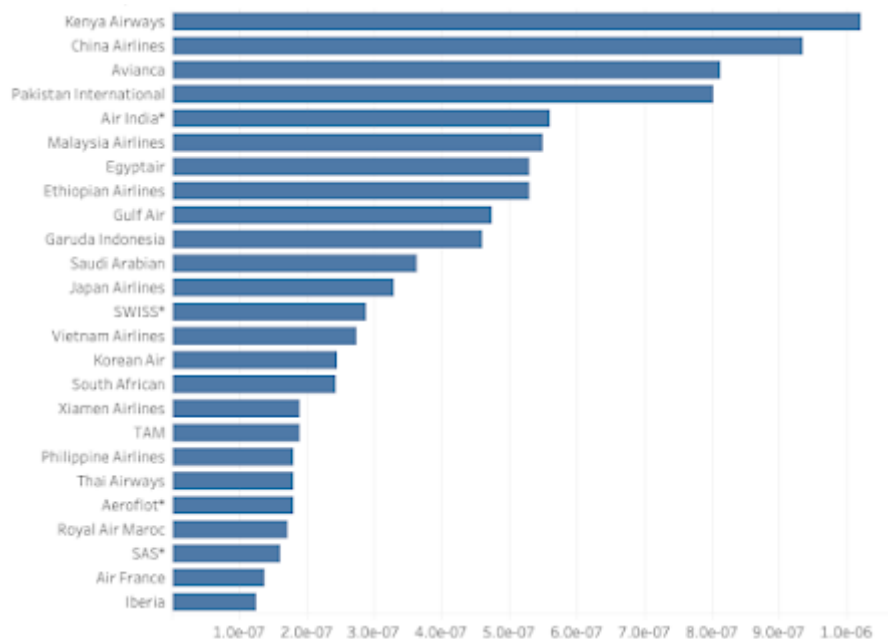
Even though media has speculated the rumor that air travel is not safe for travel the data beyond air travel gives us clear idea on how safe it is. Let's look into some data analysis that will show how safe it is.

Looking at the data for two different time period (1985-1999 and 2000-2014) we can see that air travel is getting safer. We can see the decrease in number for number of incidents and number of fatal accidents. The number of incidents that happens in the plane and the number of fatal accidents that happens when the incident occurs has reduced drastically. The fatal accidents reduced by almost 70%, which is huge and is getting safer with new technologies.



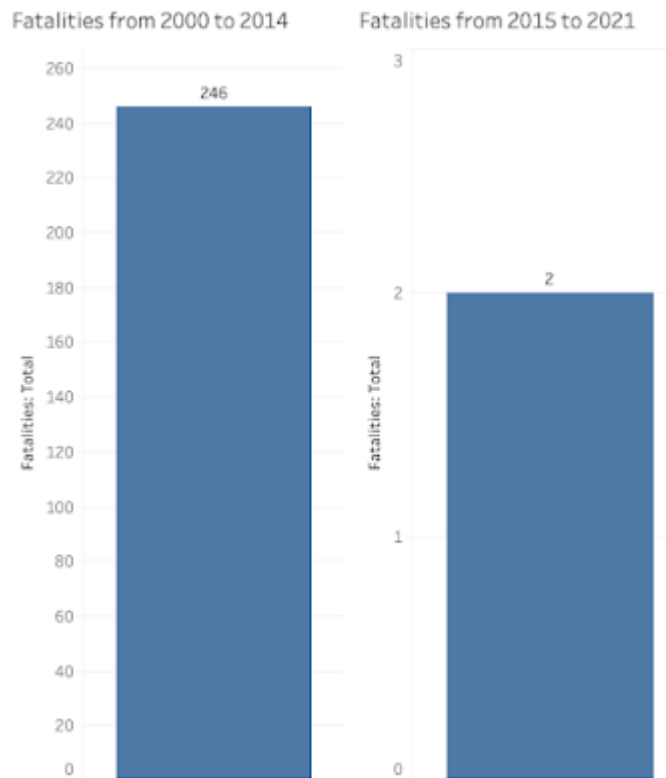
Source: aviation-safety.net

Looking at the fatalities for every km distance we see there are no US airlines in the top 25 list which suggest that they are one of the safest airlines in the world which could be because of its air travel and maintenance policy. This could be because of the advancement in the technology and proper air travel inspection and maintenance rules.



Source: *aviation-safety.net*

According to driving-tests.org, an average of 100 deaths occur per day in US caused by vehicle accidents. We can compare these to the fatalities that have occurred in air travel during two different time frame. From 2000 to 2014 there were 264 fatalities which equals to 0.05 deaths per day which is 2000 times less than that for vehicle and for 2015 to 2021 there were only two fatalities caused by air travel.



Source: *aviation-safety.net*

The reason airplane accidents get the attention is because it takes life of large number of people and the inner fear that people always have when they air travel. Air travel is increasing and so is the technology. With advancement of safety features and technology air travel has become one of the safest means of transportation and the data beyond air travel also show similar trend.

