

The Facts Behind The Noise

This blog is to show and explain to everyone the true facts behind travelling by Air. Which is that travelling by air is currently the safest mode of transportation.

Sunday, July 28, 2024

Air Travel: Still the Safest Way to Travel

Recent tragic airline crashes have cast a shadow over air travel, causing widespread concern and leading to a media frenzy questioning the safety of flying. However, despite the emotional impact of these incidents, it's crucial to look at the broader picture and understand the facts about air travel safety. The truth is, air travel remains one of the safest modes of transportation, and here's why.

Firstly, it's essential to acknowledge the impressive advancements in aviation safety over the past few decades. According to recent data, the aircraft death rate is at its lowest in the last 50 years.

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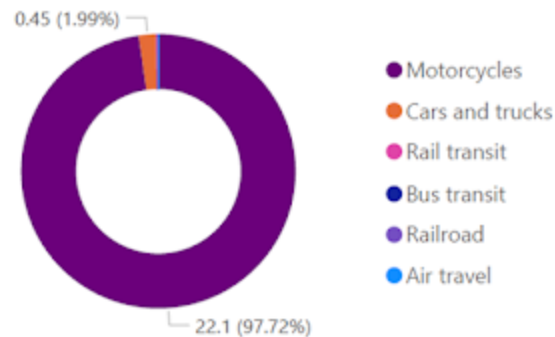
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This decline in fatalities is a testament to the rigorous safety standards and continuous improvements in technology and training within the aviation industry. Additionally, aviation crashes, along with fatal, serious, and minor injuries due to aviation incidents, have all significantly decreased since the 1980s. These statistics highlight the industry's commitment to safety and its effectiveness in preventing accidents.



When compared to other modes of transportation, air travel stands out as exceptionally safe. The fatality rate for air travel is an incredibly low 0.01, which is substantially lower than that of automobiles and other forms of transportation. This means that the likelihood of a fatal incident occurring during a flight is extraordinarily rare. To put it into perspective, you're far more likely to experience a fatal accident while driving or even walking than when flying.

Fatality rate by transportation mode



| Transportation mode | Sum of Fatality rate |
|---------------------|----------------------|
| Air travel | 0.01 |
| Bus transit | 0.01 |
| Cars and trucks | 0.45 |
| Motorcycles | 22.10 |
| Rail transit | 0.04 |
| Railroad | 0.01 |
| Total | 22.62 |

Furthermore, the rate of all accidents per one million flights between 2017 and 2021 was just 1.23. This statistic translates to one accident every 810,000 flights. Given the sheer volume of flights operating globally, this rate is remarkably low. The aviation industry's stringent regulations, thorough maintenance procedures, and extensive pilot training programs contribute to this exceptional safety record.

| ACCIDENT TYPE | 2020 | 2021 | 5-YEAR AVERAGE (2017-2021) |
|---|---|---|---|
| All accident rate (accidents per one million flights) | 1.58 (1 accident every 0.63 million flights) | 1.01 (1 accident every 0.99 million flights) | 1.23 (1 accident every 0.81 million flights) |
| All accident rate for IATA member airlines | 0.77 (1 accident every 1.30 million flights) | 0.44 (1 accident every 2.27 million flights) | 0.72 (1 accident every 1.39 million flights) |
| Fatal accidents (1) | 5 | 7 (1 jet and 6 turboprop) | 7.4 |
| Fatalities | 132 | 121 | 207 |
| Fatality risk | 0.13 | 0.23 | 0.14 |
| IATA member airlines fatality risk | 0.06 | 0 | 0.04 |
| Jet hull losses (per one million flights) | 0.16 (1 major accident every 6.3 million flights) | 0.13 (1 major accident every 7.7 million flights) | 0.15 (1 major accident every 6.7 million flights) |
| Total accidents | 35 | 26 | 44.2 |
| Total flights (million) | 22.2 | 25.7 | 36.6 |
| Turboprop hull losses (per one million flights) | 1.59 (1 hull loss every 0.63 million flights) | 1.77 (1 hull loss every 0.56 million flights) | 1.22 (1 hull loss every 0.82 million flights) |

In conclusion, while recent airline crashes are undeniably tragic, they do not represent a trend but rather isolated incidents in an otherwise robust safety record. Air travel remains one of the safest modes of transportation, with historical data showing a continuous decline in accidents and fatalities. The advancements in technology, stringent safety protocols, and comprehensive training ensure that flying is still a remarkably safe way to travel. Let us not be swayed by sensational headlines but instead, trust the facts and continue to fly with confidence.





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Aircraft death rate by year



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