

Infographic Supporting Document:

This infographic presents statistics that support the facts about the safety of airline travel. Airline travel has become increasingly a safer method of transportation as opposed to motor vehicle travel. Unless otherwise stated the statistics are calculated using data from all airline travel. When stated, the statistic is calculated using data from only Alaska Airlines.

Statistic 1: Was calculated using data of the number of global airline miles for each year. The period of 1985-1999 totaled 17,325,053,064 and the period 2000-2014 totaled 33,804,629,362. Which is a 195% increase, or nearly double.

Statistic 2: Was calculated using the total number of fatalities from 1985-1999 (6295) and the total number of fatalities from 2000-2014 (3109), which is a reduction of 51%, or cut in half.

Statistic 3: Was calculated by taking the total number of motor vehicle travel miles for the period of 2000-2014 and dividing it by the number of motor vehicle related fatalities. Results are reported as total deaths per 100 million travel miles.

Statistic 4: Was calculated by taking the total number of global airline travel miles for the period of 1985-2014 and dividing it by the number of global airline related fatalities. Results are reported as total deaths per 100 million travel miles.

Statistic 5: Was calculated by taking the total number of global airline travel miles for the period of 2000-2014 and dividing it by the number of global airline related fatalities. Results are reported as total deaths per 100 million travel miles.

Statistic 6: Was calculated by taking the total deaths per 100 million travel miles for motor vehicles and dividing it by the total deaths per 100 million travel miles for Alaska airlines.

Data Sources:

https://www.transtats.bts.gov/DATABASES.ASP?Z1qr_VQ=E&Z1qr_Qr5p=N8vn6v10&f7owrp6_VQF=D

<http://web.mit.edu/airlinedata/www/Traffic&Capacity.html>

<https://github.com/fivethirtyeight/data/tree/master/airline-safety>

<https://www-fars.nhtsa.dot.gov/Main/index.aspx>

<https://finance.yahoo.com/quote/ALK/history?p=ALK>