Safety and air travel
Travel confidently with the latest research

A recent study commissioned by the United States Transportation Command found that, in over 300 aerosol release tests repeatedly releasing 180 million particles simulating virus particle dispersion and penetration into 777-200s and 767-300s, a cabin-wide average of 99.99% of aerosol particles were filtered out on average in less than 6 minutes.

United States Transportation Command

The risk of disease transmission during air travel is significantly lower than during normal daily life.

Boeing and University of Arizona

“Forward-facing seat configurations create a barrier to transmission similar to clear plastic barriers seen in many businesses today.”

Boeing and University of Arizona

Airplanes exchange the entire volume of air 20-30 times per hour and have filters that can capture particles 10 times smaller than the COVID-19 virus.

Boeing, University of Arizona, NASA and the National Center for Biotechnology Information

Airports have an average of 6-10 air changes an hour, which is better than the typical 5 air exchanges per hour of the average building.

Boeing and University of Arizona

Modeling shows the airflow pattern, exchange rate, HEPA filtration, and forward-facing seats create conditions equivalent to 7 to 15 feet of social distancing, even for adjacent seats.

Boeing and University of Arizona

“A recent modeling study estimates the universal use of surgical masks in settings with the ventilation rates of an aircraft may reduce infection risk from respiratory particles to less than 1%.”

Harvard’s “Face Mask Use in Air Travel”

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