



# Fact Sheet

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## Boeing, Industry Focus on Aviation Safety

At Boeing, safety is our top priority. It is embedded in everything we do, from design and manufacture to test and in-service support. The company is a member of a worldwide aviation community driven by a deep commitment to the people it serves and the relentless pursuit of one goal: zero accidents.

Today, air travel is the safest mode of transportation, a distinction earned over decades of experience, and diligent learning and collaboration. Statistics show that 2012 was the safest year yet for air travel.

When it comes to safety, Boeing constantly strives to improve its already impressive record. The company's own safety standards complement those imposed by regulatory authorities, and often, are even more aggressive and stringent. Thorough testing, reviews and audits ensure Boeing products meet the expectations of its regulators, customers and the flying public.

Boeing compiles and publishes industry jet airplane safety data as the first step toward greater understanding. The data informs our own decisions and provides valuable insight for others in the aviation community. The *Boeing Statistical Summary of Commercial Jet Airplane Accidents* is recognized as an industry and academic reference tool.

Here are some quick safety statistics and facts, many of which are from the Boeing report published each summer. For more information on Boeing's safety efforts and a copy of the report, visit <http://www.boeing.com/commercial/safety/>.

<p>Fatality risk – commercial airplanes</p> <p><i>Source: Prof. Arnold Barnett, MIT; used with permission</i></p>	<ul style="list-style-type: none"> <li>• 1 in 45 million flights, calculated over the past five years</li> <li>• Statistically, a single passenger could fly every day for an average of 123,000 years before being in an airplane accident</li> </ul>
<p>Airplane safety improvement – worldwide</p> <p><i>Source: Boeing</i></p>	<ul style="list-style-type: none"> <li>• More than 10 times safer than when jet travel began in 1959</li> </ul>
<p>Airplane safety improvement – U.S.</p> <p><i>Source: U.S. Commercial Aviation Safety Team</i></p>	<ul style="list-style-type: none"> <li>• 83 percent improvement from 1998 to 2008</li> </ul>
<p>Fatality risk of flying versus driving – U.S.</p> <p><i>Source: U.S. Council on Safety, 2009</i></p>	<ul style="list-style-type: none"> <li>• Roughly 70 times safer than traveling by car</li> </ul>
<p>Fatalities – Other modes of transportation</p> <p><i>Source: U.S. National Transportation Safety Board, 2011</i></p>	<ul style="list-style-type: none"> <li>• 34,434 total transportation deaths, including <ul style="list-style-type: none"> <li>• 21,253 car and light truck deaths</li> <li>• 4,612 motorcycle deaths</li> <li>• 4,432 pedestrian deaths</li> <li>• 800 marine deaths</li> <li>• 759 rail deaths</li> <li>• 677 cyclist deaths</li> </ul> </li> </ul>
<p>Airplane accidents, 2011</p> <p><i>Source: Boeing Statistical Summary of Commercial Jet Accidents, 2012</i></p>	<ul style="list-style-type: none"> <li>• Worldwide flight summary – 99.99985 percent accident free</li> <li>• 23.6 million jet flights; 45 departures/minute</li> <li>• 36 accidents; 4 involving fatalities</li> </ul>
<p>Passengers arriving safely at their destinations, 2011</p> <p><i>Source: Boeing Statistical Summary of Commercial Jet Accidents, 2012</i></p>	<ul style="list-style-type: none"> <li>• 2.8 billion; more than 6 million people flew per day</li> </ul>
<p>Fatalities, 2011</p> <p><i>Source: Boeing Statistical Summary of Commercial Jet Accidents, 2012</i></p>	<ul style="list-style-type: none"> <li>• 175, or less than 0.00000625 percent of passengers</li> </ul>

## Boeing Air Safety and Test & Evaluation Profile

Boeing Commercial Airplanes dedicated Aviation Safety personnel	70
Air Safety Investigation leads	11
Years of collective experience	Air Safety organization – 2,070 Investigators – 27+ years average per person
Number of test environments	250, located at more than 60 sites in 23 states
Number of employees dedicated to testing	6,500
Flight test personnel	2,700
Pilots	114 (engineering and production) 67 support Commercial Airplanes operations
Years of collective flight test experience	Engineering pilots – 760+ years Production pilots – 380+ years
Types of test environments and laboratories	<ul style="list-style-type: none"> <li>• Wind/icing tunnels</li> <li>• Antenna and radio frequency ranges</li> <li>• Lightning</li> <li>• Propulsion and acoustic labs</li> <li>• Integrated airplane systems labs</li> <li>• Flight simulators and test airplanes</li> </ul>

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