

**COMPARATIVE U. S. CIVIL HELICOPTER SAFETY TRENDS**  
**Comparative Statistics Through 4th Quarter**  
**January 1 – December 31**  
**2013 – 2009**

<b><u>Civil helicopters- estimated hours flown:</u></b>	<b><u>2013</u></b>	<b><u>2012</u></b>	<b><u>2011</u></b>	<b><u>2010</u></b>	<b><u>2009</u></b>
Total helicopter hours flown (in millions)	3.473	3.17	3.080	3.00	3.23
<b><u>Number of civil helicopter accidents <sup>2</sup>:</u></b>	<b><u>2013</u></b>	<b><u>2012</u></b>	<b><u>2011</u></b>	<b><u>2010</u></b>	<b><u>2009</u></b>
Total number of civil helicopter accidents	139	153	124	134	161
Total number of fatal helicopter accidents	27	22	16	23	20
Total number of fatalities	50	34	30	44	45
Total number of serious injuries	28	23	31	36	42
Total number of minor injuries	71	62	49	29	56
<b><u>Accident rate per 100,000 flying hours :</u></b>	<b><u>2013</u></b>	<b><u>2012</u></b>	<b><u>2011</u></b>	<b><u>2010</u></b>	<b><u>2009</u></b>
Accident rate	4.00	4.83	4.03	4.47	4.98
Fatal accident rate	0.78	0.69	0.52	0.77	0.62
Fatal injuries rate	1.44	1.07	0.97	1.47	1.39
Serious injuries rate	0.81	0.73	1.01	1.20	1.30
Minor injuries rate	2.04	1.96	1.59	0.97	1.73
<b><u>Safety Statistics By Helicopter Type:</u></b>	<b><u>2013</u></b>	<b><u>2012</u></b>	<b><u>2011</u></b>	<b><u>2010</u></b>	<b><u>2009</u></b>
Estimated Total Flight Hours (in millions):					
Single Engine Turbine:	2.180	1.890	1.840	1.790	2.007
Multi-Engine Turbine:	0.545	0.473	0.460	0.448	0.502
Reciprocating:	0.748	0.807	0.781	0.756	0.730
Total Number of Accidents:					
Single Engine Turbine:	73	66	46	58	65
Multi-Engine Turbine:	3	10	3	8	12
Reciprocating:	63	67	75	67	84
Total Number of Fatal Accidents:					
Single Engine Turbine:	19	11	8	12	8
Multi-Engine Turbine:	1	3	0	2	3
Reciprocating:	7	11	7	10	9
Total Number of Fatalities:					
Single Engine Turbine:	36	17	21	25	17
Multi-Engine Turbine:	3	5	0	7	11
Reciprocating:	11	11	8	12	17
Accident Rate per 100,000 Hours Flown:					
Single Engine Turbine:	3.35	3.49	2.50	3.24	3.24
Multi-Engine Turbine:	0.55	2.11	0.65	1.79	2.39
Reciprocating:	8.42	8.30	9.60	8.86	11.51
Fatal Accident Rate per 100,000 Hours Flown:					
Single Engine Turbine:	0.87	0.58	0.43	0.67	0.40
Multi-Engine Turbine:	0.18	0.63	0.00	0.45	0.60
Reciprocating:	0.94	1.36	0.90	1.32	1.23
Fatalities Rate per 100,000 Hours Flown:					
Single Engine Turbine:	1.65	0.90	1.14	1.40	0.85
Multi-Engine Turbine:	0.55	1.06	0.00	1.56	2.19
Reciprocating:	1.47	1.36	1.02	1.59	2.33