

FIVE-YEAR COMPARATIVE U. S. CIVIL HELICOPTER SAFETY TRENDS

Through 4th Quarter

January 1 – December 31, 2009-2005

<u>Civil helicopters- estimated hours flown¹:</u>	<u>2009</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>	<u>2005</u>
Total helicopter hours flown (in millions)	3.238	3.813*	3.629*	3.446*	3.116*
<u>Number of civil helicopter accidents:</u>	<u>2009</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>	<u>2005</u>
Total number of civil helicopter accidents	161	140	178	162	193
Total number of fatal helicopter accidents	20	28	22	25	26
Total number of fatalities	45	75	43	43	44
Total number of serious injuries	42	28	35	34	44
Total number of minor injuries	56	40	55	64	74
<u>Accident rate per 100,000 flying hours:</u>	<u>2009</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>	<u>2005</u>
Accident rate	4.97	3.67	4.90	4.70	6.19
Fatal accident rate	0.62	0.73	0.61	0.73	0.83
Fatal injuries rate	1.39	1.97	1.18	1.25	1.41
Serious injuries rate	1.30	0.73	0.96	0.99	1.41
Minor injuries rate	1.73	1.05	1.52	1.86	2.37
<u>Safety Statistics By Helicopter Type:</u>	<u>2009</u>	<u>2008</u>	<u>2007</u>	<u>2006</u>	<u>2005</u>
Estimated Total Flight Hours (in millions):					
Single Engine Turbine:	2.007	2.153	1.961	1.894	1.829
Multi-Engine Turbine:	0.502	0.538	0.654	0.632	0.610
Reciprocating:	0.730	1.122	0.836	0.755	0.617
Total Number of Accidents:					
Single Engine Turbine:	65	50	72	63	72
Multi-Engine Turbine:	12	11	10	14	17
Reciprocating:	84	79	98	85	104
Total Number of Fatal Accidents:					
Single Engine Turbine:	8	15	13	8	15
Multi-Engine Turbine:	3	4	1	4	4
Reciprocating:	9	9	8	13	6
Total Number of Fatalities:					
Single Engine Turbine:	17	39	23	14	26
Multi-Engine Turbine:	11	20	4	7	7
Reciprocating:	17	16	16	22	9
Accident Rate per 100,000 Hours Flown:					
Single Engine Turbine:	3.24	2.32	3.67	3.33	3.94
Multi-Engine Turbine:	2.39	2.04	1.53	2.22	2.79
Reciprocating:	11.37	7.04	11.72	11.26	16.86
Fatal Accident Rate per 100,000 Hours Flown:					
Single Engine Turbine:	0.40	0.70	0.66	0.42	0.82
Multi-Engine Turbine:	0.60	0.74	0.15	0.63	0.66
Reciprocating:	1.23	0.80	0.96	1.72	0.97
Fatalities Rate per 100,000 Hours Flown:					
Single Engine Turbine:	0.85	1.81	1.17	0.74	1.42
Multi-Engine Turbine:	2.19	3.72	0.61	1.11	1.15
Reciprocating:	2.33	1.43	1.91	2.91	1.46

1- FAA Aerospace Forecasts Fiscal Years 2009-2025