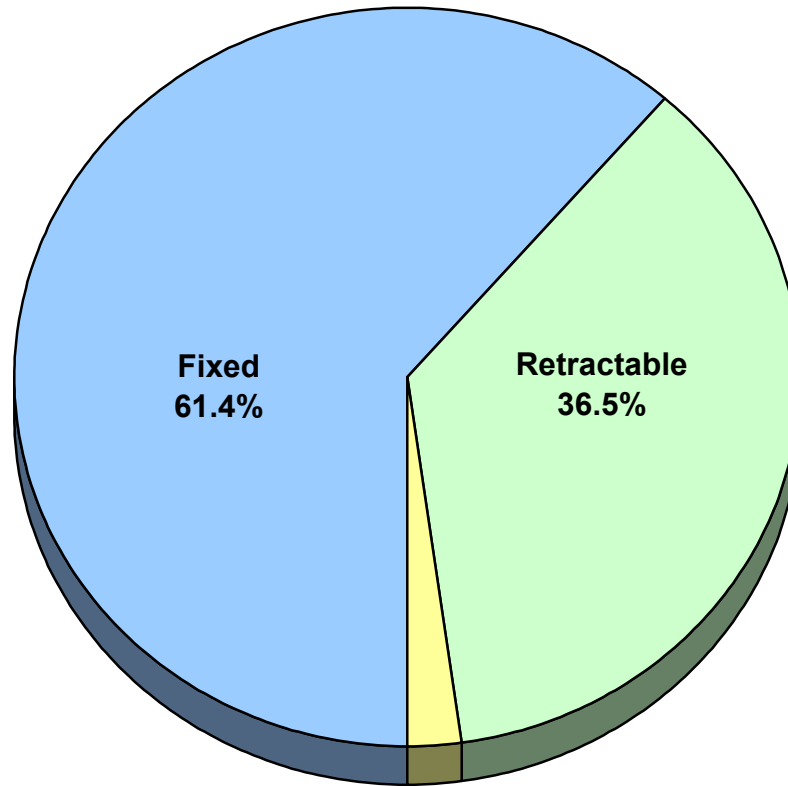


**Chart 10**  
**2005 Active Aircraft Landing Gear**



Source: 2005 GAATAA  
Survey Table 7.1

**N/A**  
**2.1%**

Table 7.1

**2005 GENERAL AVIATION AND AIR TAXI *POPULATION SIZE, ACTIVE AIRCRAFT, AND TOTAL NUMBER OF AIRCRAFT  
WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM*  
BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Aircraft Population Size	Estimate of Number Active	Percent Standard Error	Estimate of Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Percent Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Active Aircraft w/ Retractable Landing Gear	Percent Standard Error	Estimate of Percent Active Aircraft w/ Retractable Landing Gear	Percent Standard Error
Fixed Wing											
Fixed Wing - Piston											
1 Eng: 1-3 Seats	63,893	39,671	2.1	37,465	2.3	94.4	1.4	2,199	14.5	5.5	9.0
1 Eng: 4+ Seats	126,787	108,430	1.7	71,606	3.6	66.0	3.1	36,795	6.4	33.9	5.5
1 Engine: Total	190,680	148,101	1.9	109,071	3.0	73.6	2.3	38,993	6.8	26.3	5.3
2 Eng: 1-6 Seats	15,925	13,192	1.2	111	30.4	0.8	25.2	13,081	1.2	99.2	1.0
2 Eng: 7+ Seats	7,358	6,220	1.2	181	17.8	2.9	15.0	6,039	1.3	97.1	1.1
2 Engine: Total	23,283	19,412	1.2	293	23.3	1.5	19.4	19,120	1.2	98.5	1.0
Piston: Other	214	95	2.1	3	15.7	3.2	7.0	92	2.2	96.8	1.0
Piston: Total	214,177	167,608	1.8	109,367	3.3	65.3	2.5	58,205	5.4	34.7	4.3

Table 7.1

**2005 GENERAL AVIATION AND AIR TAXI *POPULATION SIZE, ACTIVE AIRCRAFT, AND TOTAL NUMBER OF AIRCRAFT*  
*WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM*  
 BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Aircraft Population Size	Estimate of Number Active	Percent Standard Error	Estimate of Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Percent Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Active Aircraft w/ Retrac Landing Gear	Percent Standard Error	Estimate of Percent Active Aircraft w/ Retrac Landing Gear	Percent Standard Error
Fixed Wing - Turboprop											
1 Engine: Total	2,766	2,595	0.3	1,077	1.3	41.5	1.2	1,514	0.9	58.4	0.9
2 Eng: 1-12 Seats	4,718	4,427	0.3	23	17.5	0.5	16.4	4,405	0.3	99.5	0.3
2 Eng: 13+ Seats	967	880	0.5	63	5.6	7.2	5.1	817	0.6	92.8	0.6
2 Engine: Total	5,685	5,307	0.3	86	10.2	1.6	9.5	5,221	0.4	98.4	0.3
Turboprop: Other	73	40	1.6	0		0.0		40	1.6	100.0	0.9
Turboprop: Total	8,524	7,942	0.3	1,163	3.0	14.6	2.8	6,775	0.6	85.3	0.6
Fixed Wing - Turbojet											
2 Engine Turbojet	9,620	9,097	0.3	204	7.6	2.2	7.1	8,893	0.3	97.8	0.3
Turbojet: Other	992	727	1.0	7	18.4	1.0	13.5	719	1.0	99.0	0.7
Turbojet: Total	10,612	9,823	0.3	212	8.0	2.2	7.4	9,612	0.4	97.8	0.3
Fixed Wing: Total	233,313	185,373	1.4	110,741	3.0	59.7	2.4	74,592	4.1	40.2	3.3

Table 7.1

**2005 GENERAL AVIATION AND AIR TAXI *POPULATION SIZE, ACTIVE AIRCRAFT, AND TOTAL NUMBER OF AIRCRAFT*  
*WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM*  
 BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Aircraft Population Size	Estimate of Number Active	Percent Standard Error	Estimate of Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Percent Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Active Aircraft w/ Retrac Landing Gear	Percent Standard Error	Estimate of Percent Active Aircraft w/ Retrac Landing Gear	Percent Standard Error
<b>Rotorcraft</b>											
Piston	4,357	3,039	0.9	2,941	0.9	96.8	0.7	3	53.8	0.1	37.5
1 Eng: Turbine	5,790	4,537	0.7	4,393	0.7	96.8	0.5	12	28.0	0.3	21.9
Multi-Eng: Turbine	1,315	1,151	0.4	576	1.2	50.0	1.1	575	1.2	50.0	1.1
Turbine: Total	7,104	5,689	0.6	4,969	0.8	87.3	0.6	587	4.1	10.3	3.3
Rotocraft: Total	11,461	8,728	0.7	7,910	0.8	90.6	0.6	590	5.5	6.8	4.2
<b>Other Aircraft</b>											
Gliders	3,149	2,074	1.3	1,010	2.7	48.7	1.8	1,058	2.6	51.0	1.7
Lighter-than-air	6,903	4,380	2.4	56	30.4	1.3	19.3	6	106.3	0.1	67.4
Other Aircraft: Total	10,052	6,454	1.9	1,066	6.5	16.5	4.1	1,064	6.5	16.5	4.1

Table 7.1

**2005 GENERAL AVIATION AND AIR TAXI *POPULATION SIZE, ACTIVE AIRCRAFT, AND TOTAL NUMBER OF AIRCRAFT  
WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM*  
BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Aircraft Population Size	Estimate of Number Active	Percent Standard Error	Estimate of Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Percent Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Active Aircraft w/ Retractable Landing Gear	Percent Standard Error	Estimate of Percent Active Aircraft w/ Retractable Landing Gear	Percent Standard Error
Experimental											
Amateur	33,856	19,817	3.9	16,493	4.7	83.2	2.8	3,133	14.5	15.8	8.5
Exhibition	2,915	2,120	1.4	614	4.4	29.0	3.2	1,474	2.3	69.5	1.6
Other	2,335	1,691	1.0	650	2.7	38.4	2.0	1,033	1.9	61.1	1.4
Experimental: Total	39,106	23,627	3.0	17,757	4.1	75.2	2.5	5,640	9.2	23.9	5.5
Light-sport	192	170	0.3	170	0.3	100.0	0.2	0		0.0	
Total All Aircraft	294,123	224,352	1.5	137,644	2.9	61.4	2.2	81,886	4.4	36.5	3.4

## Table Notes:

Beginning in 2004, commuter activity is excluded from all estimates. 2003 and prior, commuter activity was included in the Air Taxi use category.

The small number of aircraft in some of the 'other' categories (e.g., "Piston: Other," "Turbojet: Other") may result in relatively high standard errors for estimates of the number of active aircraft and hours flown. For this reason estimates reported for 'other' categories may vary greatly from year to year and should be evaluated with caution.

Columns may not add to totals due to rounding procedures.

Beginning in 2005, light-sport was added as an aircraft type.

Table 7.2

**2005 GENERAL AVIATION AND AIR TAXI *TOTAL ANNUAL HOURS AND PERCENT HOURS FLOWN***  
***WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM***  
**BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Estimate of Annual Hours Flown	Percent Standard Error	Estimate of Hours Flown by Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Percent of Hours Flown by Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Hours Flown by Aircraft w/ Retractable Landing Gear	Percent Standard Error	Estimate of Percent of Hours Flown by Aircraft w/ Retractable Landing Gear	Percent Standard Error
Fixed Wing										
Fixed Wing - Piston										
1 Eng: 1-3 Seats	3,113,033	2.6	2,979,398	1.4	95.7	1.4	133,138	11.6	4.3	11.6
1 Eng: 4+ Seats	10,626,195	1.8	6,989,807	3.1	65.8	3.1	3,624,390	5.4	34.1	5.4
1 Engine: Total	13,739,228	1.4	9,969,205	2.4	72.6	2.4	3,757,527	5.1	27.3	5.1
2 Eng: 1-6 Seats	1,544,844	2.8	13,022	25.2	0.8	25.2	1,531,822	1.0	99.2	1.0
2 Eng: 7+ Seats	1,131,743	4.7	48,300	10.3	4.3	10.3	1,083,443	1.1	95.7	1.1
2 Engine: Total	2,676,587	2.5	61,322	12.8	2.3	12.8	2,615,265	1.0	97.7	1.0
Piston: Other	18,154	33.1	527	7.6	2.9	7.6	17,627	1.0	97.1	1.0
Piston: Total	16,433,970	1.3	10,031,055	2.7	61.0	2.7	6,390,419	3.8	38.9	3.8

Table 7.2

**2005 GENERAL AVIATION AND AIR TAXI *TOTAL ANNUAL HOURS AND PERCENT HOURS FLOWN***  
***WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM***  
**BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Estimate of Annual Hours Flown	Percent Standard Error	Estimate of Hours Flown by Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Percent of Hours Flown by Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Hours Flown by Aircraft w/ Retractable Landing Gear	Percent Standard Error	Estimate of Percent of Hours Flown by Aircraft w/ Retractable Landing Gear	Percent Standard Error
Fixed Wing - Turboprop										
1 Engine: Total	845,811	2.5	490,921	0.9	58.0	0.9	354,545	1.2	41.9	1.2
2 Eng: 1-12 Seats	988,076	1.5	5,161	16.1	0.5	16.1	982,915	0.3	99.5	0.3
2 Eng: 13+ Seats	264,113	3.1	25,935	3.7	9.8	3.7	238,178	0.6	90.2	0.6
2 Engine: Total	1,252,189	1.3	31,096	6.2	2.5	6.2	1,221,093	0.3	97.5	0.3
Turboprop: Other	8,287	25.6	0		0.0		8,287	0.9	100.0	0.9
Turboprop: Total	2,106,287	1.4	522,016	1.6	24.8	1.6	1,583,925	0.6	75.2	0.6
Fixed Wing - Turbojet										
2 Engine Turbojet	3,488,440	0.8	101,192	5.5	2.9	5.5	3,387,248	0.3	97.1	0.3
Turbojet: Other	282,389	3.6	3,657	10.6	1.3	10.6	278,732	0.7	98.7	0.7
Turbojet: Total	3,770,829	0.8	104,849	5.8	2.8	5.8	3,665,980	0.3	97.2	0.3
Fixed Wing: Total	22,311,086	1.0	10,657,920	3.0	47.8	3.0	11,640,323	2.5	52.2	2.5

Table 7.2

**2005 GENERAL AVIATION AND AIR TAXI *TOTAL ANNUAL HOURS AND PERCENT HOURS FLOWN***  
***WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM***  
**BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Estimate of Annual Hours Flown	Percent Standard Error	Estimate of Hours Flown by Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Percent of Hours Flown by Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Hours Flown by Aircraft w/ Retractable Landing Gear	Percent Standard Error	Estimate of Percent of Hours Flown by Aircraft w/ Retractable Landing Gear	Percent Standard Error
Rotorcraft										
Piston	616,575	3.7	598,909	0.7	97.1	0.7	51	447.8	0.0	447.8
1 Eng: Turbine	1,862,878	1.8	1,813,786	0.5	97.4	0.5	3,863	27.2	0.2	27.2
Multi-Eng: Turbine	576,347	2.0	316,757	1.0	55.0	1.0	259,590	1.2	45.0	1.2
Turbine: Total	2,439,225	1.4	2,130,544	0.6	87.3	0.6	263,452	3.1	10.8	3.1
Rotocraft: Total	3,055,800	1.5	2,729,452	0.6	89.3	0.6	263,504	3.3	8.6	3.3
Other Aircraft										
Gliders	121,148	6.9	52,648	2.0	43.5	2.0	68,443	1.6	56.5	1.6
Lighter-than-air	146,350	15.1	27,536	1.3	18.8	1.3	344	37.6	0.2	37.6
Other Aircraft: Total	267,498	8.0	80,184	2.3	30.0	2.3	68,787	2.7	25.7	2.7



Table 7.2

**2005 GENERAL AVIATION AND AIR TAXI TOTAL ANNUAL HOURS AND PERCENT HOURS FLOWN  
WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM  
BY AIRCRAFT TYPE**

AIRCRAFT TYPE	Estimate of Annual Hours Flown	Percent Standard Error	Estimate of Hours Flown by Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Percent of Hours Flown by Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Hours Flown by Aircraft w/ Retractable Landing Gear	Percent Standard Error	Estimate of Percent of Hours Flown by Aircraft w/ Retractable Landing Gear	Percent Standard Error
Experimental										
Amateur	986,916	4.4	801,459	2.8	81.2	2.8	181,702	7.3	18.4	7.3
Exhibition	112,594	16.9	23,215	4.5	20.6	4.5	89,098	1.4	79.1	1.4
Other	239,198	5.9	89,631	2.0	37.5	2.0	149,403	1.3	62.5	1.3
Experimental: Total	1,338,708	4.6	914,304	2.7	68.3	2.7	420,203	4.2	31.4	4.2
Light-sport	9,292	5.8	9,292	0.2	100.0	0.2	0		0.0	
Total All Aircraft	26,982,383	1.0	14,391,152	2.5	53.3	2.5	12,392,818	2.7	45.9	2.7

## Table Notes:

Beginning in 2004, commuter activity is excluded from all estimates. 2003 and prior, commuter activity was included in the Air Taxi use category.

The small number of aircraft in some of the 'other' categories (e.g., "Piston: Other," "Turbojet: Other") may result in relatively high standard errors for estimates of the number of active aircraft and hours flown. For this reason estimates reported for 'other' categories may vary greatly from year to year and should be evaluated with caution.

Columns may not add to totals due to rounding procedures.

Beginning in 2005, light-sport was added as an aircraft type.

Table 7.3

**2005 GENERAL AVIATION AND AIR TAXI ACTIVE AIRCRAFT  
AND *TOTAL NUMBER OF AIRCRAFT BY AGE OF AIRCRAFT  
WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM***

AGE OF AIRCRAFT				Estimate of	Percent	Estimate of	Percent
(YEARS	(BUILT)			Total Active	Standard	Total Active	Standard
OLD)				Aircraft	Error	Aircraft	Error
				w/ Fixed		w/ Retrac	
				Landing Gear		Landing Gear	
1	to	5	2001 - 2005	15,162	1.9	7,255	3.7
6	to	10	1996 - 2000	7,160	2.5	5,073	3.3
11	to	15	1991 - 1995	4,123	2.8	3,112	3.5
16	to	20	1986 - 1990	3,037	3.6	4,930	2.4
21	to	25	1981 - 1985	7,795	3.1	10,179	2.4
26	to	30	1976 - 1980	24,643	3.0	18,114	3.9
31	to	35	1971 - 1975	16,831	3.0	7,449	5.7
36	to	40	1966 - 1970	20,181	3.0	10,354	5.1
41	to	45	1961 - 1965	9,606	3.7	7,517	4.5
46	to	50	1956 - 1960	9,282	3.0	3,669	6.1

**Table 7.3**

**2005 GENERAL AVIATION AND AIR TAXI ACTIVE AIRCRAFT  
AND *TOTAL NUMBER OF AIRCRAFT BY AGE OF AIRCRAFT  
WITH A FIXED OR RETRACTABLE LANDING GEAR SYSTEM***

AGE OF AIRCRAFT		Estimate of Total Active Aircraft w/ Fixed Landing Gear	Percent Standard Error	Estimate of Total Active Aircraft w/ Retrac Landing Gear	Percent Standard Error
(YEARS OLD)	(BUILT)				
51 to 55	1951 - 1955	3,656	3.4	1,260	6.9
56 to 60	1946 - 1950	11,965	3.1	2,010	9.9
Over 60	- 1945	4,203	3.8	963	9.4
Total All Aircraft		137,644	2.9	81,886	4.4

Table Notes:

Beginning in 2004, commuter activity is excluded from all estimates. 2003 and prior, commuter activity was included in the Air Taxi use category.

Columns may not add to totals due to rounding procedures.