

3.2 1999 GENERAL AVIATION AND AIR TAXI TOTAL HOURS FLOWN BY ACTUAL USE
 BY AIRCRAFT TYPE INCLUDES AIR TAXI AIRCRAFT EXCLUDES COMMUTER AIRCRAFT

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ACTUAL USE

AIRCRAFT TYPE	Total	Perso- nal	Instruc- tional	Busi- ness	Corp- orate	Air Taxi	Air Tours***	Sight See**	Public Use	Aerial Obs	Aerial Apps	Aerial Other	Exter- nal	Medi- cal	Other Work
Fixed Wing															
Fixed Wing - Piston															
1 Eng: 1-3 Seats															
Est. Total Hours	5,185,395	1,950,239	1,684,652	170,410	3,799	10,663	2,682	24,204	73,864	163,535	953,311	17,117	2,881	4,797	123,242
% Std. Error	3.8	4.7	8.9	15.4	70.0	69.6	98.3	33.4	51.6	27.5	10.4	57.8	67.0	48.9	27.1
1 Eng: 4+ Seats															
Est. Total Hours	14,139,841	6,956,369	3,315,999	2,045,368	135,051	333,240	12,748	73,197	328,611	619,944	24,822	11,094	3,109	30,432	249,856
% Std. Error	2.8	3.0	8.0	5.7	29.3	26.9	46.7	24.4	21.5	21.9	49.8	65.7	34.7	26.1	20.7
1 Engine: Total															
Est. Total Hours	19,325,236	8,906,609	5,000,651	2,215,778	138,850	343,903	15,429	97,400	402,475	783,479	978,133	28,211	5,990	35,228	373,098
% Std. Error	2.2	2.4	5.8	4.9	25.3	23.2	39.2	18.7	18.9	16.7	11.7	45.7	39.7	21.3	15.9
2 Eng: 1-6 Seats															
Est. Total Hours	2,055,820	628,556	279,246	621,097	128,942	144,464	625	2,422	22,325	184,192	6,631	9,054	208	6,180	21,878
% Std. Error	4.2	4.8	17.1	5.8	18.6	24.9	83.4	48.2	37.5	32.0	78.4	59.1	74.8	46.3	38.8
2 Eng: 7+ Seats															
Est. Total Hours	1,495,475	270,298	89,634	258,450	333,370	394,328	733	4,313	29,952	13,270	583	6,993	1,245	29,424	62,883
% Std. Error	4.7	7.4	20.8	7.5	14.4	10.3	52.7	69.3	29.4	41.5	55.4	57.0	74.5	41.3	52.0
2 Engine: Total															
Est. Total Hours	3,551,295	898,853	368,880	879,547	462,313	538,792	1,358	6,735	52,276	197,462	7,214	16,047	1,453	35,603	84,761
% Std. Error	3.3	4.0	13.1	4.5	13.5	11.1	48.4	55.3	24.8	27.0	64.8	42.1	77.0	41.6	47.0
Piston: Other															
Est. Total Hours	18,425	384	524	384	0	0	0	1,259	4,211	0	0	4,992	0	0	6,670
% Std. Error	63.8	74.6	86.4	75.5				101.6	80.4			68.1			178.5
Piston: Total															
Est. Total Hours	22,894,957	9,805,846	5,370,056	3,095,710	601,163	882,695	16,787	105,394	458,962	980,941	985,347	49,251	7,443	70,832	464,529
% Std. Error	1.9	2.1	5.3	3.8	15.3	12.7	34.5	17.2	16.2	14.6	11.1	33.1	36.5	30.1	17.2

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ACTUAL USE

AIRCRAFT TYPE	Total	Personal	Instructional	Business	Corporate	Air Taxi	Air Tours***	Sight See**	Public Use	Aerial Obs	Aerial Apps	Aerial Other	External	Medical	Other Work
Fixed Wing - Turboprop															
1 Engine: Total															
Est. Total Hours	357,301	27,041	4,276	44,356	23,701	68,616	40	0	2,796	265	173,153	8,226	361	4,471	0
% Std. Error	9.4	18.3	24.6	20.2	25.7	36.1	109.5		60.1	129.8	17.6	81.2	86.4	115.6	
2 Eng: 1-12 Seats															
Est. Total Hours	1,034,997	89,096	16,579	119,797	532,098	181,420	160	3,138	36,262	1,294	41	731	55	42,060	12,266
% Std. Error	3.5	13.2	22.4	12.4	7.3	16.6	112.6	141.2	33.5	78.6	143.1	55.0	114.6	36.8	60.3
2 Eng: 13+ Seats															
Est. Total Hours	415,226	4,067	8,866	19,566	146,149	197,303	0	774	18,069	0	0	3,367	0	2,537	14,528
% Std. Error	7.1	40.3	18.1	32.7	14.2	16.1		82.4	32.6			99.0		87.3	42.4
2 Engine: Total															
Est. Total Hours	1,450,223	93,163	25,444	139,363	678,247	378,723	160	3,912	54,330	1,294	41	4,097	55	44,598	26,794
% Std. Error	3.5	12.2	15.7	11.4	6.5	13.1	105.7	108.0	24.7	73.8	134.2	97.3	107.5	33.1	37.8
Turboprop: Other															
Est. Total Hours	4,301	0	0	0	0	0	0	0	4,301	0	0	0	0	0	0
% Std. Error	56.6								56.6						
Turboprop: Total															
Est. Total Hours	1,811,824	120,204	29,720	183,719	701,948	447,339	200	3,912	61,428	1,559	173,193	12,323	416	49,069	26,794
% Std. Error	3.5	10.3	13.6	10.1	6.4	12.4	85.6	104.6	22.2	64.5	22.4	69.7	87.3	31.5	36.7
Fixed Wing - Turbojet															
2 Engine Turbojet															
Est. Total Hours	2,434,940	100,413	23,397	155,959	1,843,496	230,977	506	91	29,983	10,085	583	14,567	0	5,792	19,091
% Std. Error	3.8	13.2	20.1	19.7	5.3	18.9	79.9	90.5	49.3	104.0	70.8	97.6		103.4	47.5
Turbojet: Other															
Est. Total Hours	303,454	7,434	524	11,097	217,760	4,114	0	0	0	0	55,918	0	0	5,821	786
% Std. Error	7.8	27.7	47.6	40.8	12.0	56.5					28.7			111.9	56.6
Turbojet: Total															
Est. Total Hours	2,738,394	107,847	23,921	167,055	2,061,256	235,091	506	91	29,983	10,085	56,501	14,567	0	11,612	19,877
% Std. Error	3.4	11.8	18.6	17.7	4.7	17.6	75.4	85.4	46.5	98.1	39.9	92.0		88.7	43.1
Fixed Wing: Total															
Est. Total Hours	27,445,175	10,033,898	5,423,697	3,446,485	3,364,367	1,565,125	17,493	109,398	550,372	992,585	1,215,041	76,141	7,859	131,513	511,200
% Std. Error	1.7	2.0	5.1	3.6	6.4	9.7	32.3	17.1	14.0	14.1	10.3	35.4	34.3	26.1	15.6

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ACTUAL USE

AIRCRAFT TYPE	Total	Perso- nal	Instruc- tional	Busi- ness	Corp- orate	Air Taxi	Air Tours***	Sight See**	Public Use	Aerial Obs	Aerial Apps	Aerial Other	Exter- nal	Medi- cal	Other Work
Rotorcraft															
Piston															
Est. Total Hours	556,268	61,891	194,438	21,569	3,970	2,404	193	27,464	52,472	53,762	116,968	6,135	10,844	1,098	3,060
% Std. Error	7.7	12.6	18.5	26.6	72.9	80.8	114.6	33.5	38.1	27.3	18.1	61.3	45.6	134.6	49.3
1 Eng: Turbine															
Est. Total Hours	1,744,944	42,451	180,227	44,099	142,246	239,647	109,838	45,649	465,644	173,814	64,271	20,259	56,064	128,331	32,407
% Std. Error	4.0	13.4	15.1	17.0	21.3	15.9	27.2	31.8	9.3	13.6	19.7	21.5	23.1	24.3	23.2
Multi-Eng: Turbine															
Est. Total Hours	443,277	1,995	2,895	9,853	61,477	81,558	14,869	3,598	22,788	3,793	2,908	11,945	50,730	172,763	2,105
% Std. Error	7.4	30.6	31.2	31.3	20.7	22.8	52.7	59.7	36.0	46.3	67.8	41.9	37.1	16.9	56.9
Turbine: Total															
Est. Total Hours	2,188,221	44,445	183,122	53,952	203,723	321,205	124,707	49,247	488,433	177,607	67,178	32,204	106,794	301,094	34,512
% Std. Error	3.5	12.7	14.6	15.0	16.1	13.3	24.4	29.2	8.9	13.2	18.7	21.8	23.0	15.4	21.7
Rotocraft: Total															
Est. Total Hours	2,744,490	106,337	377,559	75,521	207,692	323,609	124,900	76,711	540,905	231,369	184,146	38,339	117,638	302,192	37,572
% Std. Error	3.6	8.7	11.3	13.5	17.9	15.0	27.4	23.2	9.7	12.5	12.4	22.1	23.7	17.3	22.6
Other Aircraft															
Gliders															
Est. Total Hours	154,680	95,740	47,796	24	0	13	0	10,238	94	70	0	77	17	77	532
% Std. Error	8.2	7.4	21.0	93.0	75.6	124.5		36.8	86.1	90.9		101.5	123.1	101.5	63.1
Lighter-than-air															
Est. Total Hours	164,294	104,034	8,408	1,832	3,074	144	3,390	21,749	80	226	109	47	8	76	21,118
% Std. Error	12.3	13.5	15.5	79.9	112.3	52.4	41.9	15.0	80.3	53.4	90.6	72.4	108.6	58.3	65.5
Other aircraft: Total															
Est. Total Hours	318,974	199,775	56,204	1,856	3,074	158	3,390	31,988	174	295	109	124	25	153	21,650
% Std. Error	7.6	7.8	21.3	73.0	104.0	46.1	38.9	16.6	64.0	45.2	83.8	77.7	102.3	65.3	59.2

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ACTUAL USE

AIRCRAFT TYPE	Total	Personal	Instructional	Business	Corporate	Air Taxi	Air Tours***	Sight See**	Public Use	Aerial Obs	Aerial Apps	Aerial Other	External	Medical	Other Work
Experimental															
Amateur:															
Est. Total Hours	879,889	785,048	18,263	43,487	115	59	281	582	2,629	4,241	79	300	165	5,853	18,786
% Std. Error	3.1	2.9	27.6	16.3	93.2	71.3	91.5	74.4	100.3	33.4	68.4	54.2	67.4	166.1	35.3
Exhibition:															
Est. Total Hours	120,947	99,163	2,692	7,123	4	14	3	1,085	42	291	8	5	3	3	10,511
% Std. Error	5.4	5.5	51.7	42.2	102.7	106.7	109.9	68.4	109.1	92.3	78.5	110.3	109.9	109.9	31.9
Other:															
Est. Total Hours	246,931	70,042	14,292	23,816	41,143	8,126	4	274	16,943	14,227	16,070	5,171	2,748	20,790	13,285
% Std. Error	8.2	10.1	38.2	24.2	26.7	63.1	90.6	57.1	40.3	54.8	36.8	61.2	57.4	51.9	52.6
Experimental: Total															
Est. Total Hours	1,247,767	954,254	35,247	74,426	41,262	8,199	288	1,941	19,613	18,759	16,158	5,476	2,916	26,647	42,581
% Std. Error	3.3	2.6	25.9	15.2	37.5	86.0	83.2	59.4	49.8	57.8	50.9	79.5	74.5	65.3	29.1
Total All Aircraft															
Est. Total Hours	31,756,405	11,294,263	5,892,707	3,598,288	3,616,395	1,897,090	146,071	220,037	1,111,064	1,243,008	1,415,454	120,081	128,438	460,506	613,003
% Std. Error	1.4	1.7	4.3	3.1	5.5	8.1	35.0	14.6	9.7	10.6	8.2	22.9	32.4	18.9	12.4

Note: Row and column summations may differ from printed totals due to estimation procedures.

* Percent standard error of 100% or greater.

** Includes sightseeing performed under 14 CFR 91: General Operating and Flight Rules.

*** Includes air tours performed under 14 CFR 135: Air Taxi Operators and Commercial Operators.

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