

1.4 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 | Pers- onal | Instruc- tional | Busi- ness | Corp- orate | Air Taxi | Air Tours | Sight See | Public Use | Aerial Obs | Aerial Apps | Aerial Oth | Exter- nal | Medi- cal |
|-------------------|------------|---------------|--------------------|---------------|----------------|-------------|--------------|--------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Fixed Wing: Total | 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 |
| % 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 |
| Piston: Total | 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 |
| % 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 |
| 1 Engine: Total | 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 |
| % 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 |
| 2 Engine: Total | 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 |
| % 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 |
| Piston: Other | 18,425 | 384 | 524 | 384 | 0 | 0 | 0 | 1,259 | 4,211 | 0 | 0 | 4,992 | 0 | 0 |
| % Std. Error | 63.8 | 74.6 | 86.4 | 75.5 | | | | 101.6 | 80.4 | | | 68.1 | | |
| Turboprop: Total | 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 |
| % 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 |
| 1 Engine: Total | 357,301 | 27,041 | 4,276 | 44,356 | 23,701 | 68,616 | 40 | 0 | 2,796 | 265 | 173,153 | 8,226 | 361 | 4,471 |
| % 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 Engine: Total | 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 |
| % 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 |
| Turboprop: Other | 4,301 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,301 | 0 | 0 | 0 | 0 | 0 |
| % Std. Error | 56.6 | | | | | | | | 56.6 | | | | | |

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1.4 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 | Pers- onal | Instruc- tional | Busi- ness | Corp- orate | Air Taxi | Air Tours | Sight See | Public Use | Aerial Obs | Aerial Apps | Aerial Oth | Exter- nal | Medi- cal |
|-----------------------|-----------|---------------|--------------------|---------------|----------------|-------------|--------------|--------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Turbojet: Total | 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 |
| % 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 |
| 2 Engine Turbojet | 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 |
| % 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 |
| Turbojet: Other | 303,454 | 7,434 | 524 | 11,097 | 217,760 | 4,114 | 0 | 0 | 0 | 0 | 55,918 | 0 | 0 | 5,821 |
| % Std. Error | 7.8 | 27.7 | 47.6 | 40.8 | 12.0 | 56.5 | | | | | 28.7 | | | 111.9 |
| Rotocraft: Total | 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 |
| % 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 |
| Piston: Total | 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 |
| % 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 |
| Turbine: Total | 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 |
| % 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 |
| 1 Eng: Turbine | 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 |
| % 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 |
| Multi-Eng: Turbine | 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 |
| % 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 |
| Other aircraft: Total | 318,974 | 199,775 | 56,204 | 1,856 | 3,074 | 158 | 3,390 | 31,988 | 174 | 295 | 109 | 124 | 25 | 153 |
| % 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 |
| Gliders | 154,680 | 95,740 | 47,796 | 24 | 0 | 13 | 0 | 10,238 | 94 | 70 | 0 | 77 | 17 | 77 |
| % 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 |
| Lighter-than-air | 164,294 | 104,034 | 8,408 | 1,832 | 3,074 | 144 | 3,390 | 21,749 | 80 | 226 | 109 | 47 | 8 | 76 |
| % 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 |

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| AIRCRAFT TYPE | Total | Pers- onal | Instruc- tional | Busi- ness | Corp- orate | Air Taxi | Air Tours | Sight See | Public Use | Aerial Obs | Aerial Apps | Aerial Oth | Exter- nal | Medi- cal |
|---------------------|------------|---------------|--------------------|---------------|----------------|-------------|--------------|--------------|---------------|---------------|----------------|---------------|---------------|--------------|
| Experimental: Total | 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 |
| % 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 |
| Amateur: | 879,889 | 785,048 | 18,263 | 43,487 | 115 | 59 | 281 | 582 | 2,629 | 4,241 | 79 | 300 | 165 | 5,853 |
| % 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 |
| Exhibition: | 120,947 | 99,163 | 2,692 | 7,123 | 4 | 14 | 3 | 1,085 | 42 | 291 | 8 | 5 | 3 | 3 |
| % 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 |
| Other: | 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 |
| % 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 |
| Total All Aircraft | 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 |
| % 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 |

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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| AIRCRAFT TYPE | Other Work |
|-------------------|---------------|
| Fixed Wing: Total | 511,200 |
| % Std. Error | 15.6 |
| Piston: Total | 464,529 |
| % Std. Error | 17.2 |
| 1 Engine: Total | 373,098 |
| % Std. Error | 15.9 |
| 2 Engine: Total | 84,761 |
| % Std. Error | 47.0 |
| Piston: Other | 6,670 |
| % Std. Error | 178.5 |
| Turboprop: Total | 26,794 |
| % Std. Error | 36.7 |
| 1 Engine: Total | 0 |
| % Std. Error | |
| 2 Engine: Total | 26,794 |
| % Std. Error | 37.8 |
| Turboprop: Other | 0 |
| % Std. Error | |

| AIRCRAFT TYPE | Other Work |
|-----------------------|---------------|
| Turbojet: Total | 19,877 |
| % Std. Error | 43.1 |
| 2 Engine Turbojet | 19,091 |
| % Std. Error | 47.5 |
| Turbojet: Other | 786 |
| % Std. Error | 56.6 |
| Rotocraft: Total | 37,572 |
| % Std. Error | 22.6 |
| Piston: Total | 3,060 |
| % Std. Error | 49.3 |
| Turbine: Total | 34,512 |
| % Std. Error | 21.7 |
| 1 Eng: Turbine | 32,407 |
| % Std. Error | 23.2 |
| Multi-Eng: Turbine | 2,105 |
| % Std. Error | 56.9 |
| Other aircraft: Total | 21,650 |
| % Std. Error | 59.2 |
| Gliders | 532 |
| % Std. Error | 63.1 |
| Lighter-than-air | 21,118 |
| % Std. Error | 65.5 |

| AIRCRAFT TYPE | Other Work |
|---------------------|---------------|
| Experimental: Total | 42,581 |
| % Std. Error | 29.1 |
| Amateur: | 18,786 |
| % Std. Error | 35.3 |
| Exhibition: | 10,511 |
| % Std. Error | 31.9 |
| Other: | 13,285 |
| % Std. Error | 52.6 |
| Total All Aircraft | 613,003 |
| % Std. Error | 12.4 |