

Table 1. World total revenue traffic — international and domestic
(scheduled services, 2012–2021)

Year	Passengers		Passenger-km		Freight tonnes		Freight tonne-km		Mail tonne-km		Revenue tonne-km	
	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %
2012	3 013	4.6	5 537 024	5.3	48.5	-1.4	188 712	-1.0	5 149	3.8	712 210	3.5
2013	3 148	4.5	5 841 156	5.5	49.6	2.3	189 463	0.4	5 537	7.5	742 439	4.2
2014	3 327	5.7	6 190 282	6.0	51.2	3.3	198 283	4.7	6 022	8.8	785 969	5.9
2015	3 567	7.2	6 654 454	7.5	51.5	0.5	200 828	1.3	6 491	7.8	833 986	6.1
2016	3 806	6.7	7 146 283	7.4	53.4	3.7	208 016	3.6	6 622	2.0	885 238	6.1
2017	4 075	7.1	7 718 470	8.0	57.2	7.1	227 177	9.2	7 383	11.5	960 662	8.5
2018	4 341	6.5	8 280 851	7.3	59.0	3.2	233 819	2.9	7 311	-1.0	1 019 691	6.1
2019	4 490	3.4	8 664 032	4.6	58.0	-1.7	228 384	-2.3	7 186	-1.7	1 049 611	2.9
2020	1 782	-60.3	2 962 287	-65.8	49.4	-14.8	192 824	-15.6	4 900	-31.8	474 973	-54.7
2021	2 284	28.1	3 626 024	22.4	56.5	14.5	231 635	20.1	4 265	-13.0	572 971	20.6

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 2. World revenue traffic — international
(scheduled services, 2012–2021)

Year	Passengers		Passenger-km		Freight tonnes		Freight tonne-km		Mail tonne-km		Revenue tonne-km	
	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %	(millions)	Annual increase %
2012	1 194	6.0	3 463 597	6.1	31.0	-1.6	162 129	-1.4	3 565	3.8	493 751	3.4
2013	1 256	5.2	3 661 207	5.7	31.7	2.2	162 624	0.3	3 879	8.8	513 733	4.0
2014	1 336	6.4	3 888 699	6.2	32.9	3.6	170 644	4.9	4 260	9.8	544 998	6.1
2015	1 440	7.7	4 178 466	7.5	33.1	0.8	172 984	1.4	4 557	7.0	576 254	5.7
2016	1 549	7.6	4 499 232	7.7	34.3	3.5	178 954	3.5	4 846	6.4	611 004	6.0
2017	1 655	6.9	4 877 507	8.4	37.5	9.4	197 052	10.1	5 401	11.4	667 405	9.2
2018	1 770	6.9	5 223 964	7.1	38.8	3.4	203 130	3.1	5 354	-0.9	706 501	5.9
2019	1 848	4.4	5 466 130	4.6	37.9	-2.3	197 509	-2.8	5 377	0.4	723 904	2.5
2020	460	-75.1	1 328 446	-75.7	30.7	-18.9	163 596	-17.2	3 376	-37.2	294 940	-59.3
2021	527	14.7	1 342 015	1.0	36.6	19.2	200 277	22.4	2 465	-27.0	332 705	12.8

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Presentation of 2021 Air Transport Statistical Results

Table 3. Trends in load factors — international and domestic
(scheduled services, 2012–2021)

Year	Passenger- km (millions)	Seat-km available (millions)	Passenger load factor %	Freight tonne-km (millions)	Mail tonne-km (millions)	Revenue tonne-km (millions)	Total tonne-km available (millions)	Weight load factor %
2012	5 537 024	7 021 134	79	188 712	5 149	712 210	1 071 835	66
2013	5 841 156	7 349 025	79	189 463	5 537	742 439	1 111 060	67
2014	6 190 282	7 765 176	80	198 283	6 022	785 969	1 174 140	67
2015	6 654 454	8 293 327	80	200 828	6 491	833 986	1 241 775	67
2016	7 146 283	8 901 086	80	208 016	6 622	885 238	1 324 432	67
2017	7 718 470	9 473 126	81	227 177	7 383	960 662	1 400 144	69
2018	8 280 851	10 147 668	82	233 819	7 311	1 019 691	1 455 258	70
2019	8 664 032	10 516 737	82	228 384	7 186	1 049 611	1 523 964	69
2020	2 962 287	4 540 566	65	192 824	4 900	474 973	795 611	60
2021	3 626 024	5 357 978	68	231 635	4 265	572 971	925 531	62

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 4. Regional distribution of scheduled traffic — 2021

By ICAO statistical region	Aircraft kilometres (millions)	Aircraft departures (thousands)	Passengers carried (thousands)	Passenger-kilometres (millions)	Passenger load factor (%)	Freight tonne-km (millions)	Revenue tonne-km (millions)	Tonne-kilometres available (millions)	Weight load factor (%)
Total (international and domestic) services									
Europe	7,354	4,775	513,237	920,553	69	58,374	149,144	226,145	66
Percentage of world traffic	21.8	19.7	22.5	25.4		25.2	26.0	24.4	
Africa	831	697	46,381	71,404	61	4,975	12,345	24,074	51
Percentage of world traffic	2.5	2.9	2.0	2.0		2.1	2.2	2.6	
Middle East	2,287	919	100,534	259,547	55	33,939	58,384	103,106	57
Percentage of world traffic	6.8	3.8	4.4	7.2		14.7	10.2	11.1	
Asia and Pacific	9,999	7,424	744,849	980,893	63	79,320	169,289	261,706	65
Percentage of world traffic	29.7	30.7	32.6	27.1		34.2	29.5	28.3	
North America	11,309	8,577	691,104	1,159,013	73	49,245	156,199	267,501	58
Percentage of world traffic	33.6	35.5	30.3	32.0		21.3	27.3	28.9	
Latin America and Caribbean	1,925	1,797	187,704	234,614	77	5,783	27,611	42,999	64
Percentage of world traffic	5.7	7.4	8.2	6.5		2.5	4.8	4.6	
Total	33,705	24,189	2,283,810	3,626,024	68	231,635	572,971	925,531	62
International services									
Europe	5,469	2,798	321,086	670,703	66	56,798	124,142	189,278	66
Percentage of world traffic	40.5	52.5	60.9	50.0		28.4	37.3	35.2	
Africa	619	293	22,635	55,726	59	4,947	10,777	21,554	50
Percentage of world traffic	4.6	5.5	4.3	4.2		2.5	3.2	4.0	
Middle East	2,029	588	65,845	231,865	53	33,876	55,780	98,582	57
Percentage of world traffic	15.0	11.0	12.5	17.3		16.9	16.8	18.3	
Asia and Pacific	2,456	561	21,887	93,218	32	70,367	80,073	121,063	66
Percentage of world traffic	18.2	10.5	4.1	6.9		35.1	24.1	22.5	
North America	2,231	816	67,681	214,139	61	29,320	49,353	86,509	57
Percentage of world traffic	16.5	15.3	12.8	16.0		14.6	14.8	16.1	
Latin America and Caribbean	688	276	28,325	76,365	73	4,969	12,580	20,281	62
Percentage of world traffic	5.1	5.2	5.4	5.7		2.5	3.8	3.8	
Total	13,492	5,332	527,458	1,342,015	58	200,277	332,705	537,267	62

Note.— The sum of the individual regions may not match the totals due to rounding.

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 5. Revenue tonne-kilometres and passenger-kilometres on scheduled services^{1,2}
 (countries and groups of countries whose airlines performed more than 100 million total tonne-kilometres in 2021³)

Country or group of countries	REVENUE TONNE-KILOMETRES (millions) (passengers, freight and mail)								REVENUE PASSENGER-KILOMETRES (millions)							
	Total services (international and domestic)				International services				Total services (international and domestic)				International services			
	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)
United States	1	147 768	97 187	52	1	44 239	33 787	31	1	1 107 096	608 724	82	1	186 819	120 069	56
China ⁴	2	79 206	76 403	4	7	15 183	16 931	-10	2	652 334	629 669	4	27	8 840	43 424	-80
Hong Kong SAR ⁵		9 516	10 375	-8		9 516	10 375	-8		4 240	22 554	-81		4 240	22 554	-81
Macao SAR ⁶		119	100	19		119	100	19		1 176	910	29		1 176	910	29
United Arab Emirates	3	25 561	23 054	11	2	25 561	23 054	11	5	106 901	111 408	-4	2	106 901	111 408	-4
Russian Federation	4	24 507	16 324	50	13	8 836	6 300	40	3	204 942	131 906	55	11	41 825	29 487	42
Qatar	5	22 569	18 876	20	3	22 569	18 876	20	11	72 290	57 173	26	5	72 290	57 173	26
Turkiye	6	21 939	14 421	52	4	19 616	12 739	54	4	119 308	73 686	62	3	95 212	56 019	70
Germany ⁷	7	18 567	14 594	27	5	18 338	14 320	28	12	70 226	53 329	32	6	68 224	50 919	34
Republic of Korea	8	17 697	16 602	7	6	16 395	15 766	4	23	22 638	41 115	-45	26	9 921	33 059	-70
Japan	9	16 401	14 765	11	8	11 689	9 778	20	17	51 369	66 233	-22	25	10 119	22 545	-55
France	10	12 925	9 523	36	12	9 384	6 706	40	8	85 545	69 374	23	8	56 439	44 972	25
United Kingdom	11	9 738	10 818	-10	11	9 442	10 612	-11	14	60 547	74 898	-19	7	57 257	72 605	-21
Ireland	12	9 589	7 675	25	9	9 579	7 655	25	6	95 000	75 429	26	4	94 900	75 237	26
Netherlands	13	9 575	8 364	14	10	9 574	8 241	16	15	52 169	41 585	25	9	52 153	40 492	29
Mexico	14	8 811	5 826	51	19	3 437	2 411	43	9	78 477	50 926	54	14	25 865	17 660	46
Luxembourg	15	8 760	7 446	18	14	8 760	7 446	18	73	1 718	1 008	70	63	1 718	1 008	70
India	16	8 758	8 545	2	39	977	2 634	-63	7	88 510	85 619	3	29	7 818	23 879	-67
Canada	17	8 432	8 669	-3	17	5 113	6 058	-16	16	51 917	62 757	-17	13	27 321	42 996	-66
Spain	18	7 574	4 481	69	16	5 957	3 437	73	13	64 459	39 851	62	10	48 713	29 530	35
Brazil	19	7 417	6 123	21	34	1 302	1 826	-29	10	73 352	58 124	26	35	5 602	11 167	-50
Ethiopia	20	6 268	4 548	38	15	6 216	4 507	38	24	21 895	16 407	33	16	21 326	16 001	33
Singapore	21	4 914	6 038	-19	18	4 914	6 038	-19	34	11 597	30 046	-61	21	11 597	30 046	-61
Saudi Arabia ⁹	22	4 194	3 384	24	24	2 519	1 987	27	18	37 987	30 083	26	17	20 571	15 783	30
Indonesia	23	4 131	4 474	-8	60	356	898	-60	19	35 377	37 789	-6	79	550	6 073	-91
Australia	24	3 979	5 342	-26	35	1 248	3 088	-60	21	29 027	41 711	-30	61	1 784	19 522	-91
Colombia	25	3 406	2 666	28	26	2 273	2 154	6	25	19 788	11 605	71	30	7 375	6 891	7
Azerbaijan	26	3 330	2 890	15	20	3 296	2 879	14	77	1 402	899	56	72	1 036	787	32
Switzerland	27	3 222	2 561	26	21	3 218	2 557	26	26	19 582	16 719	17	18	19 540	16 680	17
Hungary	28	3 112	2 381	31	22	3 112	2 381	31	20	31 124	23 808	31	12	31 124	23 808	31
Belgium	29	2 893	1 971	47	23	2 888	1 961	47	36	10 767	7 130	51	23	10 767	7 130	51
Chile	30	2 631	2 780	-5	29	1 738	2 058	-16	30	14 912	13 855	8	37	5 148	6 593	-22
Austria	31	2 470	1 774	39	25	2 467	1 771	39	22	23 414	16 978	38	15	23 389	16 941	38
Scandinavia ^{7,9}	32	2 166	1 916	13	31	1 443	1 458	-1	27	18 097	16 009	13	22	11 357	11 940	-5
Portugal	33	2 129	1 545	38	27	1 953	1 429	37	28	17 709	13 744	29	20	15 935	12 613	26
Panama	34	1 918	807	138	28	1 911	803	138	29	17 672	7 331	141	19	17 612	7 299	141
Viet Nam	35	1 862	3 617	-49	51	556	1 096	-49	31	13 063	33 632	-61	80	307	7 874	-96
Egypt	36	1 615	1 361	19	30	1 553	1 322	17	35	11 152	9 334	19	24	10 509	8 939	18
Malaysia	37	1 572	3 244	-52	36	1 199	2 508	-52	53	4 442	24 847	-82	76	818	17 515	-95
Philippines	38	1 552	2 225	-30	38	1 080	1 714	-37	38	10 238	18 688	-45	32	6 549	14 351	-54
Thailand	39	1 526	4 054	-62	44	727	2 780	-74	40	9 177	33 518	-73	70	1 362	20 895	-93
Israel	40	1 443	1 236	17	32	1 428	1 227	16	45	7 254	4 152	75	31	7 095	4 060	75
Iran (Islamic Republic of)	41	1 409	1 212	16	52	553	392	41	32	12 560	11 030	14	51	3 065	2 038	50
Italy	42	1 398	2 119	-34	33	1 303	1 860	-30	64	2 491	11 396	-78	59	1 904	8 956	-79
Peru	43	1 311	768	71	43	749	425	76	37	10 456	6 679	57	39	4 998	3 336	50
Finland	44	1 213	1 218	0	37	1 174	1 173	0	50	5 082	8 148	-38	42	4 628	7 624	-39
Kazakhstan	45	1 183	703	68	61	334	213	56	33	12 413	7 389	68	47	3 433	2 180	57
Argentina	46	992	698	42	63	287	400	-28	39	9 806	6 848	43	56	2 253	3 568	-37
Morocco	47	943	611	54	40	891	576	55	41	8 839	5 651	56	28	8 324	5 299	57
South Africa	48	883	1 031	-14	79	91	327	-72	42	8 709	9 560	-9	75	884	2 705	-67
New Zealand ⁹	49	863	1 888	-54	58	410	1 533	-73	47	5 796	11 843	-51	66	1 611	8 209	-80
Bahrain	50	857	498	72	41	857	498	72	54	4 115	3 371	22	44	4 115	3 371	22
Poland	51	847	587	44	42	830	571	45	46	6 375	4 466	43	33	6 192	4 282	45
Pakistan	52	824	848	-3	53	550	692	-21	43	7 903	8 159	-3	38	5 098	6 581	-23
Greece	53	771	491	57	47	626	391	60	44	7 580	4 810	58	34	6 142	3 817	61
Sri Lanka	54	668	563	19	45	668	563	19	62	2 844	3 718	-24	53	2 844	3 718	-24
Kenya	55	661	455	45	48	607	422	44	58	3 617	3 417	6	50	3 081	3 096	0
Kuwait	56	659	500	32	46	659	500	32	51	4 749	4 017	18	40	4 749	4 017	18
Bangladesh	57	647	537	21	49	597	500	19	49	5 180	4 303	20	41	4 645	3 911	19
Oman	58	605	649	-7	50	564	629	-10	57	3 819	5 986	-36	48	3 381	5 774	-41
Ukraine	59	555	303	83	55	525	279	88	48	5 518	3 116	77	36	5 191	2 856	82
Iceland	60	531	344	54	54	529	340	56	56	3 913	2 130	84	46	3 895	2 089	86
Jordan	61	470	257	83	56	468	256	83	55	3 981	1 966	102	45	3 969	1 958	103
Uzbekistan	62	466	256	82	57	439	246	78	52	4 731	2 603	82	43	4 433	2 490	78
El Salvador	63	369	190	94	59	369	190	94	59	3 243	1 827	78	49	3 243	1 827	78
Lebanon	64	321	224	44	62	321	224	44	61	2 989	2 044	46	52	2 989	2 044	46
Bolivia (Plurinational State of)	65	262	202	30	77	122	100	22	60	3 000	1 840	63	69	1 390	884	57
Czechia	66	255	134	91	64	255	134	91	63	2 818	1 407	100	54	2 818	1 407	100
Tunisia	67	254	212	20	65	251	211	19	65	2 477	2 063	20	55	2 439	2 055	19
Romania	68	229	209	10	66	197	181	9	66	2 372	2 149	10	58	2 035	1 859	9
Sudan	69	220	39	469	68	188	26	614	70	1 945	387	402	64	1 676	263	538
Nepal	70	213	172	24	71	172	140	23	69	2 050	1 603	28	65	1 635	1 276	28
Nigeria	71	213	188	13	82	2	34	-94	67	2 110	1 861	13	82	20	342	-94
Latvia	72	196	137	44	67	196	137	44	68	2 088	1 412	48	57	2 088	1 412	48
Iraq	73	192	92	109	70	179	85	111	71	1 917	915	110	60	1 785	847	111
Belarus	74	180	163	10	69	180	163	10	72	1 765	1 600	10	62	1 765	1 600	10
Serbia	75	164	114	44	72	164	114	44	76	1 481	1 030	44	68	1 481	1 030	44
Algeria	76	163	169	-3	80	70	138	-50	74	1 669	1 700	-2	78	636	1 362	-53

Country or group of countries	REVENUE TONNE-KILOMETRES (millions) (passengers, freight and mail)								REVENUE PASSENGER-KILOMETRES (millions)							
	Total services (international and domestic)				International services				Total services (international and domestic)				International services			
	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)
Mauritius	77	160	197	-19	73	159	192	-18	81	800	1 489	-46	77	780	1 435	-46
Trinidad and Tobago	78	153	114	34	74	151	112	35	80	946	819	15	74	919	791	16
Rwanda	79	149	133	12	75	149	133	12	75	1 493	1 333	12	67	1 491	1 330	12
Libya	80	127	87	46	76	123	83	48	78	1 137	867	31	71	1 096	826	33
Papua New Guinea	81	104	99	5	81	49	50	-3	82	663	674	-2	81	149	222	-33
Costa Rica	82	101	64	58	78	99	63	57	79	992	624	59	73	970	617	57
Total for above countries (84)⁸		558 547	460 461	21		318 790	280 964	13		3 608 322	2 922 810	23		1 329 345	1 294 156	3
Rest of the World		14 424	14 512			13 914	13 977			17 701	39 477			12 670	34 290	
World total		572 971	474 973	21		332 705	294 940	13		3 626 024	2 962 287	22		1 342 015	1 328 446	1

Data coverage — 98.1% official statistics reported by Member States, 1.9% estimated using other sources and ICAO methodology.

1. The revenue tonne-kilometres (RTK) in all tables of this Appendix are based on the actual passenger weights reported and used by Member States.
2. Previous year traffic figures may have been restated based on actual reporting from Member States.
3. The ranking and the rate of increase or decrease may change when final data become available.
4. For statistical purposes, the data for China excludes the traffic for the Hong Kong and Macao Special Administrative Regions (Hong Kong SAR and Macao SAR) of China.
5. Traffic for the Hong Kong Special Administrative Region (SAR) of China.
6. Traffic for the Macao Special Administrative Region (SAR) of China.
7. Three States – Denmark, Norway and Sweden.
8. Includes the States listed in note 7.
9. Traffic data estimated for incomplete reporting using ICAO methodology.

Source.— ICAO Air Transport Reporting Form A and A-S.

Table 5-a. Revenue tonne-kilometres and passenger-kilometres on total (scheduled and non-scheduled) services^{1,2}
(countries and groups of countries whose airlines performed more than 100 million total tonne-kilometres in 2021³)

Country or group of countries	REVENUE TONNE-KILOMETRES (millions) (passengers, freight and mail)								REVENUE PASSENGER-KILOMETRES (millions)							
	Total services (international and domestic)				International services				Total services (international and domestic)				International services			
	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)
United States	1	177 525	123 278	44	1	64 424	51 639	25	1	1 114 559	615 438	81	1	190 876	124 451	53
China ⁴	2	85 675	80 820	6	4	21 561	21 213	2	2	652 969	631 128	3	30	9 056	44 241	-80
Hong Kong SAR ⁵		9 616	10 375	-7		9 616	10 375	-7		4 243	22 554	-81		4 243	22 554	-81
Macao SAR ⁶		119	100	18		119	100	18		1 176	912	29		1 176	912	29
Russian Federation	3	31 080	20 920	49	8	14 907	10 450	43	3	243 187	153 485	58	5	76 804	48 280	59
United Arab Emirates	4	25 768	23 270	11	2	25 768	23 270	11	6	106 921	111 533	-4	2	106 921	111 533	-4
Turkiye	5	23 201	14 975	55	5	20 865	13 280	57	4	126 284	75 864	66	3	102 037	58 048	76
Qatar	6	22 569	18 876	20	3	22 569	18 876	20	12	72 290	57 173	26	7	72 290	57 173	26
Germany ⁹	7	19 106	15 050	27	6	18 873	14 773	28	10	76 131	58 176	31	6	74 129	55 766	33
Republic of Korea	8	17 962	17 198	4	7	16 659	16 361	2	25	22 780	41 788	-45	29	10 056	33 724	-70
Japan	9	16 401	14 765	11	9	11 689	9 778	20	17	51 369	66 233	-22	28	10 119	22 545	-55
France	10	13 099	9 677	35	13	9 519	6 828	39	8	86 520	70 180	23	9	57 229	45 623	25
India	11	11 566	9 214	26	20	3 639	3 229	13	5	112 223	91 449	23	13	31 124	29 470	6
United Kingdom	12	11 553	15 668	-26	10	11 220	15 426	-27	13	66 923	116 170	-42	8	63 608	113 709	-44
Netherlands	13	9 599	8 390	14	11	9 598	8 267	16	15	52 431	41 862	25	10	52 415	40 768	29
Ireland	14	9 590	7 693	25	12	9 580	7 674	25	7	95 011	75 615	26	4	94 911	75 422	26
Luxembourg	15	9 296	8 189	14	14	9 296	8 189	14	76	1 723	1 012	70	66	1 723	1 012	70
Mexico	16	8 907	5 945	50	22	5 258	3 526	40	9	78 744	51 173	54	16	26 056	17 887	46
Canada	17	8 432	8 669	-3	17	5 113	6 058	-16	16	51 917	62 757	-17	15	27 321	42 996	-36
Spain	18	7 821	4 685	67	16	6 193	3 627	71	14	65 379	41 170	59	11	49 550	30 737	61
Brazil	19	7 765	6 474	20	36	1 392	1 888	-26	11	75 394	60 910	24	38	5 733	11 422	-50
Ethiopia	20	7 259	5 428	34	15	7 205	5 385	34	24	23 359	18 817	24	18	22 775	18 401	24
Singapore	21	4 918	6 039	-19	18	4 918	6 039	-19	37	11 639	30 056	-61	26	11 639	30 056	-61
Indonesia	22	4 304	4 694	-8	61	430	1 039	-59	19	35 750	39 082	-9	82	655	6 999	-91
Saudi Arabia ⁹	23	4 194	3 384	24	27	2 519	1 987	27	18	37 987	30 083	26	19	20 571	15 783	30
Australia	24	4 014	5 349	-25	38	1 283	3 096	-59	22	29 323	41 777	-30	62	2 080	19 588	-89
Azerbaijan	25	3 824	3 584	7	19	3 789	3 573	6	78	1 468	981	50	73	1 102	865	27
Ukraine	26	3 568	1 241	187	21	3 537	279	1167	20	31 809	10 082	216	12	31 471	2 859	1001
Colombia	27	3 417	2 719	26	28	2 275	2 199	3	27	19 898	11 669	71	32	7 386	6 942	6
Switzerland	28	3 228	2 569	26	23	3 224	2 565	26	28	19 635	16 780	17	20	19 593	16 741	17
Hungary	29	3 112	2 383	31	24	3 112	2 383	31	21	31 124	23 827	31	14	31 124	23 827	31
Belgium	30	2 980	1 982	50	25	2 975	1 973	51	38	10 858	7 195	51	27	10 858	7 195	51
Chile	31	2 631	2 780	-5	34	1 738	2 058	-16	32	14 912	13 855	8	40	5 148	6 593	-22
Austria	32	2 550	1 826	40	26	2 547	1 822	40	23	23 983	17 294	39	17	23 958	17 257	39
Scandinavia ^{7,8}	33	2 517	2 023	24	32	1 793	1 565	15	26	21 198	17 089	24	24	14 450	13 018	11
Portugal	34	2 225	1 623	37	29	2 046	1 507	36	29	18 114	14 078	29	22	16 314	12 937	26
Viet Nam	35	1 939	3 713	-48	50	630	1 192	-47	35	13 403	34 539	-61	85	613	8 781	-93
Panama	36	1 918	807	138	30	1 911	803	138	30	17 673	7 331	141	21	17 612	7 299	141
Thailand	37	1 892	4 121	-54	42	1 093	2 847	-62	42	9 344	34 003	-73	69	1 521	21 377	-93
Egypt	38	1 890	1 509	25	31	1 823	1 468	24	34	13 772	10 739	28	25	13 093	10 330	27
Poland	39	1 775	949	87	33	1 758	932	89	31	15 068	7 636	97	23	14 880	7 448	100
Philippines	40	1 759	2 395	-27	39	1 267	1 856	-32	39	10 758	19 182	-44	34	6 902	14 728	-53
Israel	41	1 671	1 297	29	35	1 656	1 289	29	47	7 486	4 663	61	33	7 327	4 571	60
Malaysia	42	1 644	3 318	-50	40	1 235	2 570	-52	56	4 453	25 151	-82	79	822	17 819	-95
Iran (Islamic Republic of)	43	1 489	1 285	16	52	603	437	38	36	13 196	11 569	14	52	3 399	2 287	49
Italy	44	1 472	2 268	-35	37	1 376	2 008	-31	64	3 242	12 499	-74	59	2 648	10 051	-74
Kazakhstan	45	1 436	804	78	56	583	312	87	33	14 795	8 255	79	37	5 796	3 020	92
Peru	46	1 342	880	53	45	766	529	45	40	10 637	6 825	56	41	5 042	3 422	47
Finland	47	1 221	1 225	0	41	1 182	1 179	0	52	5 165	8 217	-37	44	4 711	7 693	-39
Argentina	48	1 000	707	42	67	290	403	-28	41	9 887	6 926	43	61	2 278	3 587	-37
Morocco	49	950	685	39	43	898	650	38	43	8 861	6 339	40	31	8 345	5 986	39
South Africa	50	896	1 038	-14	81	102	333	-69	44	8 749	9 577	-9	78	906	2 720	-67
Pakistan	51	866	858	1	55	591	702	-16	45	8 298	8 263	0	39	5 491	6 685	-18
Bahrain	52	865	507	71	44	865	507	71	58	4 193	3 436	22	49	4 193	3 436	22
New Zealand ⁹	53	863	1 888	-54	62	410	1 533	-73	49	5 796	11 843	-51	68	1 611	8 209	-80
Greece	54	823	522	58	47	677	421	61	46	8 113	5 119	58	35	6 670	4 115	62
Uzbekistan	55	777	490	58	46	750	480	56	50	5 258	3 014	74	42	4 959	2 900	71
Kenya	56	672	610	10	51	618	577	7	61	3 625	3 464	5	55	3 089	3 138	-2
Sri Lanka	57	668	566	18	48	668	566	18	67	2 844	3 718	-24	57	2 844	3 718	-24
Kuwait	58	659	500	32	49	659	500	32	53	4 749	4 017	18	43	4 749	4 017	18
Bangladesh	59	647	538	20	53	597	501	19	51	5 180	4 315	20	45	4 645	3 923	18
Oman	60	608	649	-6	57	567	629	-10	60	3 850	5 986	-36	51	3 406	5 774	-41
Malta	61	593	206	188	54	593	206	188	48	5 907	2 021	192	36	5 907	2 021	192
Iceland	62	538	347	55	58	536	343	56	59	3 969	2 139	86	50	3 951	2 098	88
Jordan	63	524	285	84	59	523	284	84	55	4 490	2 059	118	47	4 477	2 049	118
Belarus	64	463	289	60	60	463	289	60	54	4 601	2 854	61	46	4 601	2 854	61
Czechia	65	383	176	118	63	383	176	118	57	4 250	1 879	126	48	4 250	1 879	126
El Salvador	66	369	190	94	64	369	190	94	63	3 244	1 828	77	54	3 244	1 828	77
Romania	67	351	226	55	66	319	198	61	62	3 619	2 303	57	53	3 281	2 014	63
Lebanon	68	322	225	43	65	322	225	43	66	2 995	2 052	46	56	2 995	2 052	46
Nigeria	69	272	238	15	87	43	63	-32	70	2 111	1 868	13	87	21	343	-94
Tunisia	70	271	231	17	68	267	230	16	69	2 680	2 276	18	60	2 635	2 261	17
Bolivia (Plurinational State of)	71	269	203	32	78	129	101	28	65	3 010	1 848	63	71	1 399	890	57
Latvia	72	262	155	69	69	262	155	69	68	2 725	1 591	71	58	2 725	1 591	71
Sudan	73	226	39	477	71	192	27	620	73	2 001	391	411	65	1 724	267	547
Nepal	74	213	178	20	73	172	145	18	72	2 050	1 625	26	67	1 635	1 297	26
Algeria	75	211	196	7	85	76	142	-46	71	2 084	1 933	8	83	645	1 365	-53
Serbia	76	209	133	57	70	209	133	57	75	1 915	1 171	64	63	1 915	1 171	64
Iraq	77	192	92	109	72	179	85	111	74	1 917	915	110	64	1 785	847	111
Mauritius	78	161	197	-19	74	159	192	-17	85	801	1 489	-46	80	781	1 435	-46
Trinidad & Tobago	79	155	115	35	75	152	112	36	83	960	821	17	77	933		

Country or group of countries	REVENUE TONNE-KILOMETRES (millions) (passengers, freight and mail)								REVENUE PASSENGER-KILOMETRES (millions)							
	Total services (international and domestic)				International services				Total services (international and domestic)				International services			
	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)
Lithuania	83	114	41	180	80	113	40	181	82	975	264	270	75	973	260	274
Angola	84	105	141	-25	83	96	134	-28	86	788	1 152	-32	81	684	1 080	-37
Papua New Guinea	85	105	101	5	86	49	50	-3	87	669	684	-2	86	151	223	-33
Venezuela (Bolivarian Republic of)	86	103	58	79	84	79	17	368	84	856	469	82	84	615	167	269
Costa Rica	87	101	64	58	82	99	64	56	81	993	625	59	76	970	618	57
Total for above countries (89)⁸		620 050	510 394			369 279	320 406			3 771 210	3 044 985			1 480 283	1 398 587	
Rest of the World		14 411	14 443			13 903	13 913			16 723	38 418			11 730	33 261	
World total		634 461	524 837			383 182	334 320			3 787 932	3 083 403			1 492 013	1 431 847	

Due to significantly high volume of non-scheduled operations in recent years, this table shows both scheduled and non-scheduled services traffic.

1. The revenue tonne-kilometres (RTK) in all tables of this Appendix are based on the actual passenger weights reported and used by Member States.
2. Previous year traffic figures may have been restated based on actual reporting from Member States.
3. The ranking and the rate of increase or decrease may change when final data become available.
4. For statistical purposes, the data for China excludes the traffic for the Hong Kong and Macao Special Administrative Regions (Hong Kong SAR and Macao SAR) of China.
5. Traffic for the Hong Kong Special Administrative Region (SAR) of China.
6. Traffic for the Macao Special Administrative Region (SAR) of China.
7. Three States – Denmark, Norway and Sweden.
8. Includes the States listed in note 7.
9. Traffic data estimated for incomplete reporting using ICAO methodology.

Source.— ICAO Air Transport Reporting Form A and A-S.

Table 6. Freight tonne-kilometres performed on scheduled services
(countries and groups of countries whose airlines performed more than 25 million freight tonne-kilometres in 2021¹)

Country or group of countries	FREIGHT TONNE-KILOMETRES (millions)							
	Total services (international and domestic)				International services			
	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)
United States	1	46 005	40 793	13	1	26 939	22 548	19
China ²	2	20 961	19 264	9	5	14 340	12 884	11
<i>Hong Kong SAR</i> ³		9 028	8 085	12		9 028	8 085	12
<i>Macao SAR</i> ⁴		1	9	-88		1	9	-88
Qatar	3	15 862	13 544	17	2	15 862	13 544	17
Republic of Korea	4	15 370	12 457	23	3	15 340	12 427	23
United Arab Emirates	5	15 301	12 172	26	4	15 301	12 172	26
Germany ⁷	6	11 533	9 166	26	6	11 501	9 135	26
Japan	7	10 947	7 842	40	7	10 408	7 272	43
Turkiye	8	9 338	6 870	36	8	9 311	6 849	36
Luxembourg	9	8 589	7 345	17	9	8 589	7 345	17
Russian Federation	10	5 888	4 315	36	10	4 996	3 608	38
Netherlands	11	4 346	4 145	5	11	4 346	4 132	5
France	12	4 107	2 468	66	15	3 599	2 161	67
United Kingdom	13	4 097	3 667	12	12	4 097	3 667	12
Ethiopia	14	3 717	2 897	28	13	3 716	2 897	28
Singapore	15	3 667	3 020	21	14	3 667	3 020	21
Canada	16	3 240	2 306	40	17	2 381	1 681	42
Azerbaijan	17	3 174	2 030	56	16	3 172	2 030	56
Belgium	18	1 827	1 265	44	18	1 822	1 256	45
Colombia	19	1 605	1 497	7	19	1 549	1 455	6
Brazil	20	1 294	1 210	7	27	751	754	0
Chile	21	1 284	1 458	-12	21	1 211	1 399	-13
Australia	22	1 245	1 317	-5	24	1 033	1 110	-7
Switzerland	23	1 231	843	46	20	1 231	843	46
Italy	24	1 151	979	18	22	1 116	977	14
Malaysia	25	1 119	817	37	23	1 087	789	38
Mexico	26	963	733	31	25	851	644	32
India	27	908	875	4	45	225	374	-40
Spain	28	851	494	72	26	840	482	74
Indonesia	29	773	675	15	38	302	280	8
Finland	30	750	480	56	28	750	480	56
Israel	31	716	817	-12	29	716	817	-12
Saudi Arabia	32	679	582	17	30	626	542	16
Viet Nam	33	677	572	18	33	526	381	38
Thailand	34	604	684	-12	32	587	674	-13
Egypt	35	589	439	34	31	589	439	34
Philippines	36	530	360	47	36	425	282	51
Bahrain	37	523	192	173	34	523	192	173
Portugal	38	500	280	79	35	492	272	81
Sri Lanka	39	412	226	82	37	412	226	82
Scandinavia ⁵	40	349	304	15	40	295	250	18
New Zealand	41	318	774	-59	42	259	761	-66
Kenya	42	300	113	165	39	299	113	165
Iran (Islamic Republic of)	43	274	202	35	41	263	192	37
Peru	44	258	96	168	44	243	88	176
Oman	45	254	52	390	43	254	52	393

Country or group of countries	FREIGHT TONNE-KILOMETRES (millions)							
	Total services (international and domestic)				International services			
	Rank number in 2021	2021	2020	Increase or decrease (%)	Rank number in 2021	2021	2020	Increase or decrease (%)
Poland	46	215	141	53	46	215	141	53
Kuwait	47	200	120	67	47	200	120	67
Panama	48	150	73	105	48	150	73	104
Iceland	49	149	135	10	49	149	135	10
Austria	50	125	75	68	50	125	75	68
Jordan	51	103	75	38	51	103	75	38
Argentina	52	88	81	9	54	83	78	7
Mauritius	53	87	62	41	52	87	62	41
Ireland	54	86	132	-34	53	86	132	-34
Bangladesh	55	84	118	-29	55	83	117	-29
Pakistan	56	76	96	-21	57	72	91	-21
Zambia	57	75	70	7	56	75	70	7
Morocco	58	59	46	27	58	59	46	27
Trinidad and Tobago	59	59	32	81	59	59	32	81
Papua New Guinea	60	38	32	20	61	34	28	22
Uzbekistan	61	38	20	90	60	38	20	90
Kazakhstan	62	31	24	34	65	13	10	29
Angola	63	31	29	7	62	31	29	8
Ukraine	64	28	14	101	63	28	14	101
Sudan	65	26	-		64	20	-	
Total for above countries (67) ⁶		218 904	182 104	20		187 585	152 933	23
Rest of the World		12 731	10 719			12 691	10 664	
World total		231 635	192 824	20		200 277	163 596	22

Data coverage — **98.0%** official statistics reported by Member States, **2.0%** other sources and ICAO estimation methodology.

1. Some 2021 data are estimates, thus the ranking and the rate of increase or decrease may change when final data become available.
2. For statistical purposes, the data for China excludes the traffic for the Hong Kong and Macao Special Administrative Regions (Hong Kong SAR and Macao SAR) of China.
3. Traffic for the Hong Kong Special Administrative Region (SAR) of China.
4. Traffic for the Macao Special Administrative Region (SAR) of China.
5. Three States – Denmark, Norway and Sweden.
6. Includes the States listed in note 5.
7. Traffic data estimated for incomplete reporting using ICAO methodology.

Source. — ICAO Air Transport Reporting Form A and A-S.

Table 7. Estimated international non-scheduled revenue passenger traffic, 2012–2021

Category	Millions of revenue passenger-kilometres performed									
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Non-scheduled traffic ¹	225 378	229 660	236 320	216 615	185 241	203 033	214 706	235 960	103 402	149 998
Annual change (%)	2.0	1.9	2.9	-8.3	-14.5	9.6	5.7	9.9	-56.2	45.1
Scheduled traffic	3 463 597	3 661 207	3 888 699	4 178 466	4 499 232	4 877 507	5 223 964	5 466 130	1 328 446	1 342 015
Annual change (%)	6.1	5.7	6.2	7.5	7.7	8.4	7.1	4.6	-75.7	1.0
Total traffic	3 688 975	3 890 867	4 125 019	4 395 081	4 684 473	5 080 541	5 438 670	5 702 090	1 431 847	1 492 013
Annual change (%)	5.9	5.5	6.0	6.5	6.6	8.5	7.0	4.8	-74.9	4.2
Non-scheduled traffic as percentage of total	6.1	5.9	5.7	4.9	4.0	4.0	3.9	4.1	7.2	10.1

1. Covers the non-scheduled traffic of scheduled airlines and non-scheduled operators.

Source.— ICAO Air Transport Reporting Form A and A-S plus ICAO estimates.

Table 8. Traffic at world's major airports
Top 25 airports ranked by total passengers, 2021

Rank No.	City	Airport	Passengers embarked and disembarked ¹			Aircraft movements ²		
			2021 (thousands)	2020 (thousands)	2021/2020 (%)	2021 (thousands)	2020 (thousands)	2021/2020 (%)
1	Atlanta GA	Hartsfield-Jackson Atlanta International Airport	75,705	42,919	76.4	708	548	29.1
2	Dallas/Fort Worth TX	Dallas/Ft Worth International Airport	62,466	39,365	58.7	652	515	26.7
3	Denver CO	Denver International Airport	58,829	33,741	74.4	581	437	32.9
4	Chicago IL	O'Hare International Airport	54,020	30,860	75.0	684	538	27.1
5	Los Angeles CA	Los Angeles International Airport	48,007	28,780	66.8	507	379	33.6
6	Charlotte NC	Charlotte Douglas International Airport	43,302	27,205	59.2	520	398	30.6
7	Orlando FL	Orlando International Airport	40,351	21,618	86.7	310	219	41.9
8	Guangzhou	Guangzhou Bai Yun International Airport	40,259	43,768	-8.0	362	373	-2.9
9	Chengdu	Chengdu Shuangliu International Airport	40,117	40,742	-1.5	301	312	-3.5
10	Las Vegas NV	McCarran International Airport	39,754	22,255	78.6	487	323	50.4
11	Phoenix AZ	Sky Harbor International Airport	38,847	21,929	77.2	408	310	31.6
12	Miami FL	Miami International Airport	37,302	18,664	99.9	388	251	54.4
13	New Delhi	Indira Gandhi International Airport	37,140	28,501	30.3	327	249	31.7
14	Istanbul	Istanbul International Airport	36,988	23,330	58.5	280	186	50.9
15	Shenzhen	Shenzhen Baoan International Airport	36,358	37,916	-4.1	318	320	-0.8
16	Seattle WA	Seattle-Tacoma International Airport	36,154	20,045	80.4	375	296	26.5
17	Mexico City	Aeropuerto Internacional de la Ciudad de México	36,057	21,982	64.0	328	239	37.0
18	Chongqing	Chongqing Jiangbei International Airport	35,766	34,938	2.4	281	275	2.2
19	Shanghai	Hongqiao International Airport	33,207	31,166	6.6	231	219	5.4
20	Beijing	Beijing Capital International Airport	32,639	34,514	-5.4	298	291	2.3
21	Kunming	Kunming International Airport	32,222	32,991	-2.3	279	274	1.8
22	Shanghai	Pudong International Airport	32,207	30,477	5.7	350	326	7.3
23	Houston TX	George Bush Intercontinental Airport	31,866	18,214	75.0	379	268	41.4
24	Moscow	Sheremetyevo International Airport	30,943	19,784	56.4	243	186	30.6
25	New York NY	John F. Kennedy International Airport	30,788	16,631	85.1	290	200	45.0
Total			1,021,297	722,331	41.4	9,886	7,934	24.6

Top 25 airports ranked by international passengers, 2021

Rank No.	City	Airport	Passengers embarked and disembarked ¹			Aircraft movements ²		
			2021 (thousands)	2020 (thousands)	2021/2020 (%)	2021 (thousands)	2020 (thousands)	2021/2020 (%)
1	Dubai	Dubai International Airport	29 111	25 831	12.7	233	184	26.9
2	Istanbul	Istanbul International Airport	26 466	15 945	66.0	198	123	61.1
3	Amsterdam	Amsterdam Airport Schiphol	25 489	20 878	22.1	267	227	17.4
4	Frankfurt	Flughafen Frankfurt/Main	22 697	16 837	34.8	228	180	26.8
5	Paris	Aéroport de Paris-Charles de Gaulle	22 617	19 058	18.7	214	180	19.0
6	Doha	Hamad International Airport	17 702	12 522	41.4	167	130	28.8
7	London	Heathrow Airport	17 625	20 651	-14.7	173	186	-6.9
8	Antalya	Antalya International Airport	17 248	6 585	161.9	95	38	151.9
9	Madrid	Aeropuerto de Adolfo Suárez Madrid-Barajas	15 338	11 052	38.8	124	96	28.6
10	Cancún	Cancún International Airport	13 262	6 817	94.5	101	55	84.1
11	Miami FL	Miami International Airport	13 066	7 407	76.4	157	106	48.4
12	New York NY	John F. Kennedy International Airport	12 751	8 363	52.5	109	76	43.4
13	Barcelona	Aeropuerto de Barcelona-El Prat	11 225	7 892	42.2	93	73	27.4
14	Paris	Aéroport de Paris-Orly	10 764	7 248	48.5	72	46	56.0
15	Lisbon	Lisbon Airport	10 290	8 085	27.3	92	72	27.7
16	Vienna	Vienna International Airport	10 252	7 653	34.0	108	91	18.7
17	Munich	Munich Airport	10 197	8 549	19.3	223	99	124.4
18	Mexico City	Aeropuerto Internacional de la Ciudad de México	10 145	5 790	75.2	90	61	48.3
19	Zurich	Flughafen Zürich	10 004	8 133	23.0	94	81	16.1
20	Palma de Mallorca	Aeropuerto de Palma de Mallorca	9 701	2 995	223.9	73	31	130.8
21	Cairo	Cairo International Airport	9 348	5 978	56.4	93	62	50.2
22	Brussels	Brussels Airport	9 309	6 693	39.1	104	83	24.2
23	Moscow	Sheremetyevo International Airport	9 098	6 373	42.8	68	57	18.5
24	Panama City	Aeropuerto Internacional de Tocumen	9 086	4 492	102.3	74	38	96.4
25	Istanbul	Sabiha Gökçen International Airport	8 854	5 278	67.7	70	41	69.4
Total			332,533	231,275	43.8	3,084	2,231	38.2

1. Revenue and non-revenue air carrier passengers and passengers in direct transit; scheduled and non-scheduled services.

2. All aircraft movements (commercial and non-commercial).

Source.— ICAO Air Transport Reporting Form I, Airports Council International (ACI) and airport websites.

Table 9. Operating, net results¹ and variance analysis
(scheduled airlines of ICAO Member States)

Year	Operating revenues USD (millions)	Operating expenses USD (millions)	Operating result		Net result ²	
			Amount USD (millions)	Percentage of operating revenues	Amount USD (millions)	Percentage of operating revenues
2012	705,500	687,100	18,400	2.6	9,200	1.3
2013	720,200	694,900	25,300	3.5	18,100	2.5
2014	766,900	725,200	41,700	5.4	17,300	2.3
2015	720,500	660,700	59,800	8.3	37,500	5.2
2016	709,000	643,800	65,200	9.2	35,600	5.0
2017	757,600	697,900	59,700	7.9	40,100	5.3
2018	814,200	763,300	50,900	6.3	33,400	4.1
2019	840,800	797,100	43,700	5.2	31,000	3.7
2020 ⁽³⁾	381,100	493,100	-112,000	-29.4	-139,100	-36.5
2021 ^(3,4)	508,600	547,600	-39,000	-7.7	-44,497	-8.7

Analysis of variance in operating result (2021 over 2020)

	2021	2020	Difference
Operating revenues, USD (millions)	508,600	381,100	127,500
Operating expenses, USD (millions)	547,600	493,100	54,500
Operating result, USD (millions)	-39,000	-112,000	73,000
RTK (millions)	634,461	524,837	109,625
ATK (millions)	1,056,168	916,401	139,767
Yield, USD (cent)	80.2	72.6	7.5
Cost/ATK, USD (cent)	51.8	53.8	-2.0
Weight load factor (%)	60.1	57.3	2.8
Break-even weight load factor (%)	64.7	74.1	-9.4

Analysis of difference in operating revenues (2021 over 2020)

Due to increase in yield, USD (millions)	47,898	
Due to increase in traffic, USD (millions)	79,602	
Net increase in operating revenues, USD (millions)	127,500	(A)

Analysis of difference in operating expenses (2021 over 2020)

Due to decrease in unit cost, USD (millions)	-20,706	
Due to increase in capacity offered, USD (millions)	75,206	
Net increase in operating expenses, USD (millions)	54,500	(B)
Net increase in operating result (2021 over 2020), USD (millions)	73,000	(A-B)

1. Revenues and expenses are estimated for non-reporting airlines.
2. The net result is derived from the operating result by adding (with plus or minus sign as appropriate) non-operating items (such as interest and direct subsidies) and income tax. The operating and net results quoted, are the small differences between the estimates of large figures (revenues and expenses) and are therefore susceptible to substantial uncertainties.
3. The net results for 2020 and 2021 have been provisionally estimated and exclude exceptional accounting items.
4. Complete financial data for 2021 had not been reported to ICAO at the time of writing because of variations in fiscal year reporting.

Source.— ICAO Air Transport Reporting Form EF plus ICAO estimates.

**Table 10. Commercial transport fleet¹ of ICAO Member States
at the end of each year, 2012 - 2021**

Year	Turbojet		Turboprop		Total aircraft All types
	Number	Percentage	Number	Percentage	
2012	22 255	88.1	2 997	11.9	25 252
2013	22 893	88.2	3 061	11.8	25 954
2014	23 587	88.5	3 066	11.5	26 653
2015	24 259	88.7	3 093	11.3	27 352
2016	25 060	88.9	3 117	11.1	28 177
2017	26 100	89.3	3 136	10.7	29 236
2018	27 183	89.5	3 196	10.5	30 379
2019	27 790	89.6	3 233	10.4	31 023
2020	27 932	89.9	3 126	10.1	31 058
2021	28 786	89.9	3 209	10.1	31 995

1. Active and parked aircraft are included; aircraft having a maximum take-off mass of less than 9 000 kg (20 000 lbs) are not included.

Source.— Reed Business Information (RBI)

Table 11: Aviation Security

Year	Number of acts of unlawful interference	Number of acts of unlawful seizure		Number of acts of facility attack		Number of acts of sabotage	Other acts ¹	Number of persons injured or killed during acts of unlawful interference	
		Actual seizures	Attempted seizures	Actual facility attacks	Attempted facility attacks			Injured	Killed
1991	15	7	5	1	0	0	2	2	7
1992	10	6	2	1	0	0	1	123	10
1993	48	30	7	3	0	0	8	38	112
1994	43	22	5	4	0	2	10	57	51
1995	17	9	3	2	0	0	3	5	2
1996	22	3	12	4	0	0	3	159	134
1997	15	6	5	2	0	1	1	2	4
1998	17	11	2	1	0	0	3	1	41
1999	14	11	2	0	0	0	1	3	4
2000	30	12	8	1	0	0	9	50	58
2001 ⁽²⁾	24	7	2	7	4	1	3	3 217	3 525
2002	40	2	8	24	2	2	2	14	186
2003	35	3	5	10	0	5	12	77	20
2004	16	1	4	2	2	4	3	8	91
2005	6	2	0	2	0	0	2	60	3
2006	17	1	3	4	0	1	8 ⁽³⁾	27	2
2007	22	4	2	2	3	0	11	33	18
2008	23	1	6	3	0	0	13 ⁽³⁾	31	11
2009	23	5	3	1	0	0	14 ⁽³⁾	4	3
2010	14	0	1	1	0	1	11 ⁽³⁾	13	6
2011	6	0	2	0	0	1	3 ⁽³⁾	152	35
2012	10	1	2	2	0	0	5 ⁽³⁾	44	20
2013	8	1	0	3	0	1	2 ⁽³⁾	7	34
2014	21	2	2	9	0	1	7 ⁽³⁾	44	334
2015	13	2	2	2	2	4	1	6	403
2016	9	2	0	5	0	2	0	319	58

1. Includes in-flight attacks and other acts of unlawful interference.

2. Official reports on the events of 11 September 2001 in the United States did not include the number of deaths and injuries on the ground. Therefore, estimated totals were taken from media sources.

3. Includes attempted sabotage.

Please note that starting from 2017 the categorization of the acts of unlawful interference has changed to the format presented below.

Year	Attack on aircraft in flight	Attack on airport/other aviation facility	Attack using aircraft as a weapon	Cyber-attack which endangers aviation safety	Unlawful seizure of aircraft	Other acts	Number of persons injured or killed during acts of unlawful interference	
							Deaths	Injuries
2017	1	9	1	1	2	7	8	9
2018	0	15	1	1	2	16	8	10
2019	2	10	2	5	3	25	6	12
2020	2	4	0	2	1	9	183	1
2021	4	9	0	5	9	15	4	17