

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.

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.

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.
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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
Türkiye	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