



<http://www.icao.int/sustainability/Pages/Air-Traffic-Monitor.aspx>

GLOBAL KEY FIGURES

NOV 2021

(versus NOV 2019)

RPK ▼ -47.0% ASK ▼ -39.7% FTK ▲ 3.7% LF: 71.3% ▼ -8.8%

OUTLOOK* - DEC 2021

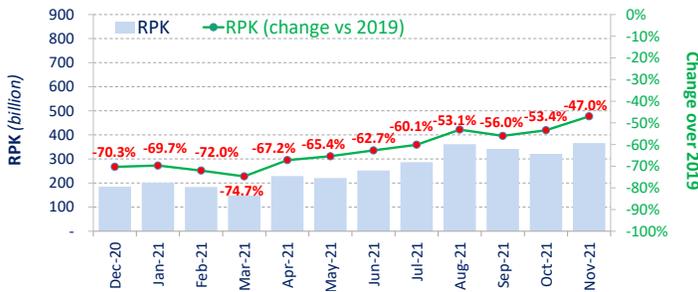
(versus DEC 2019)

ASK ▼ -37.4% * Source OAG

PASSENGER TRAFFIC

Revenue Passenger-Kilometres - RPK

World passenger traffic fell by -47.0% in November 2021 (compared to 2019), +6.4 percentage points up from the decline in the previous month. Air travel recovery continued after a slight dip in September. Domestic air travel deteriorated, mainly due to the larger fall in Chinese domestic as a result of the imposition of stricter travel restrictions. The emergence of the Omicron variants at the end of the month may stall the steady travel recovery trend, while on the positive side, demand for the holiday travel is likely to be strong.



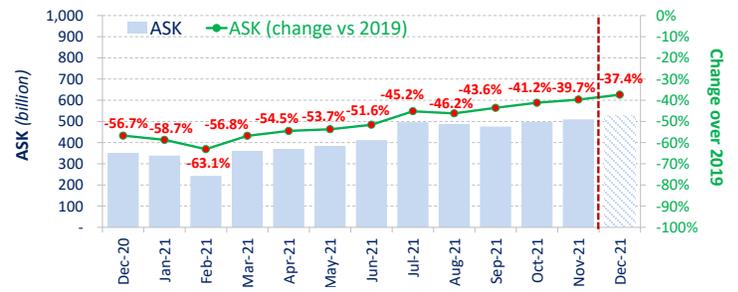
(Source: ICAO, IATA, OAG)

CAPACITY

Available Seat-Kilometres - ASK

Capacity worldwide fell by -39.7% in November 2021 (compared to 2019), +1.5 percentage points up from the decline in the previous month (-41.2%).

As holiday season approaches, airlines are expected to add back capacity gradually. The December capacity is expected to improve to -37.4% down from the 2019 level.

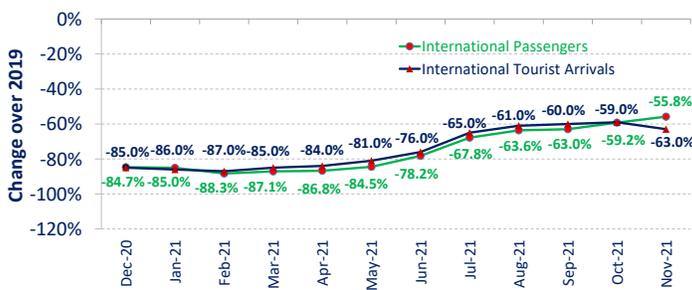


(Source: ICAO, IATA, OAG)

International Passengers vs. Tourist Arrivals

International passenger numbers fell by -55.8% in November 2021 (compared to 2019), +3.4 percentage points up from the decline in the previous month. All regions showed improvements, particularly in North America and Latin America/Caribbean.

Compared to air travel, the recovery in international tourist arrivals weakened amid the low tourism season.



*UNWTO Definition

(Source: ICAO, UNWTO)

Load Factor - LF

The passenger Load Factor reached 71.3% in November 2021, +0.7 percentage point higher than the previous month. Load factor improved slightly as air travel demand increased more than capacity.

Despite the improvement, the November LF remained -8.8 percentage points below the 2019 level.

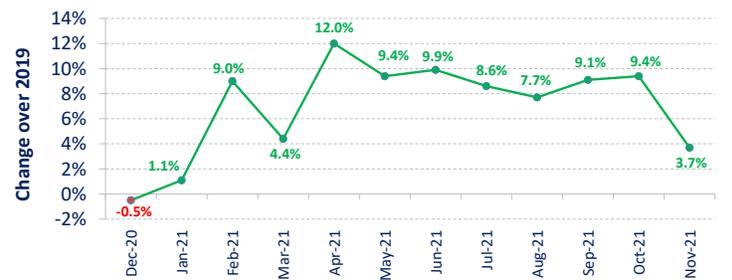


(Source: IATA)

FREIGHT TRAFFIC

Freight Tonne-Kilometres - FTK

World freight traffic reported a growth of +3.7% in November 2021 (compared to 2019), -5.7 percentage points down from the growth in the previous month. After months of strong expansion, air cargo growth experienced a significant slowdown. This weakened performance was unexpected considering that November is usually a peak period for air cargo owing to the major year-end consumer events. The softening was widespread across all regions, particularly in Africa, which saw a remarkable deterioration from double-digit to negative growth. Latin America/Caribbean continued to be the weakest performing region with further worsened decline. North America maintained a double-digit growth and demonstrated the most resilience.



(Source: IATA)

TOP 15 AIRPORTS (Ranked by aircraft departures, passengers and volume of freight)

NOV 2021: -9.4%, -19.2%, and +11.4% (vs. 2019) in terms of aircraft departures, passengers and freight for the Top 15

NOV 21

Airports (ranking by number of departures)	Departures	vs. 2019	Airports (ranking by number of passengers)	Passengers*	vs. 2019	Airports (ranking by tonnes of freight)	Freight**	vs. 2019
Chicago IL, US (ORD)	30,873	↓ -18.0%	Atlanta GA, US (ATL)	3,769,658	↓ -13.3%	Hong Kong SAR, CN (HKG)	474,000	↑ 7.7%
Atlanta GA, US (ATL)	30,289	↓ -14.7%	Dallas/Fort Worth TX, US (DFW)	2,926,570	↓ -2.5%	Memphis TN, US (MEM)	355,803	↑ 0.3%
Dallas/Fort Worth TX, US (DFW)	27,615	↓ -7.1%	Chicago IL, US (ORD)	2,648,553	↓ -19.6%	Shanghai, CN (PVG)	310,245	↓ -8.2%
Denver CO, US (DEN)	25,030	↓ -0.6%	Denver CO, US (DEN)	2,642,429	↓ -0.4%	Anchorage AK, US (ANC)	309,342	↑ 22.7%
Los Angeles CA, US (LAX)	23,734	↓ -13.1%	Los Angeles CA, US (LAX)	2,464,150	↓ -26.8%	Incheon, KR (ICN)	278,643	↑ 14.6%
Charlotte NC, US (CLT)	21,955	↓ -8.9%	New Delhi, IN (DEL)	2,350,153	↓ -25.7%	Louisville KY, US (SDF)	241,597	↑ 7.3%
Miami FL, US (MIA)	18,895	↑ 13.2%	Las Vegas NV, US (LAS)	1,997,381	↓ -4.6%	Taipei, CN (TPE)	239,765	↑ 21.0%
Phoenix AZ, US (PHX)	18,505	↑ 1.6%	Charlotte NC, US (CLT)	1,954,364	↓ -4.0%	Tokyo, JP (NRT)	226,174	↑ 19.0%
Houston TX, US (IAH)	17,914	↓ -10.0%	Miami FL, US (MIA)	1,951,956	↑ 6.3%	Miami FL, US (MIA)	223,324	↑ 27.6%
New Delhi, IN (DEL)	17,767	↓ -14.1%	Orlando FL, US (MCO)	1,942,481	↓ -7.3%	Doha, QA (DOH)	221,107	↑ 11.5%
Las Vegas NV, US (LAS)	17,439	↓ -7.3%	Dubai, AE (DXB)	1,939,688	↓ -45.0%	Los Angeles CA, US (LAX)	220,872	↑ 29.0%
Newark NJ, US (EWR)	17,110	↓ -5.8%	Phoenix AZ, US (PHX)	1,934,679	↑ 4.4%	Chicago IL, US (ORD)	215,939	↑ 43.6%
New York NY, US (JFK)	16,074	↓ -9.6%	Istanbul, TR (IST)	1,913,276	↓ -30.4%	Dubai, AE (DXB)	204,410	↓ -7.0%
Seattle WA, US (SEA)	15,538	↓ -13.0%	New York NY, US (JFK)	1,797,338	↓ -21.7%	Frankfurt, DE (FRA)	184,379	↑ 4.8%
Mexico City, MX (MEX)	15,533	↓ -19.4%	Tokyo, JP (HND)	1,758,086	↓ -53.5%	Paris, FR (CDG)	184,200	↑ 15.9%

Note: Total scheduled and non-scheduled services

(Source: ACI)

In terms of **aircraft departures**, the Top 15 airports reported a combined fall of **-9.4%**, compared to 2019. All but two of the Top 15 airports were US airports. **Chicago** remained **1st** with a decline of **-18.0%**. For the first time **Mexico City** made it to the Top 15 albeit with the largest fall of **-19.4%**. **Miami** and **Phoenix** were the only airports posting increases.

In terms of **passengers**, the Top 15 airports posted a total fall of **-19.2%**, compared to 2019. US airports continued to dominate the list, with 11 in the Top 15. **Atlanta** continued to lead the chart with a decline of **-13.3%**. **Tokyo** and **Dubai** recorded the largest fall of **-53.5%** and **-45.0%**, while **Miami** and **Phoenix** recorded a positive growth of **+6.3%** and **+4.4%**, respectively.

In terms of **freight**, the Top 15 airports reported an increase of **+11.4%**, compared to 2019. Nine out of the Top 15 airports grew double-digitally, with the strongest increase in **Chicago (+43.6%)**. **Hong Kong** remained at **1st** with a solid growth of **+7.7%**. **Shanghai** and **Dubai** continued to post declines for the third consecutive month.

TOP 15 AIRLINE GROUPS (Ranked by RPK)

NOV 2021: -37.5% (vs. 2019) in terms of RPK for the Top 15

In terms of RPK, the Top 15 airline groups accounted for **57.7%** of the world's total RPK in **November 2021** and declined by **-37.5%** compared to 2019. This decline was 15.9 percentage points smaller than the fall in world's average RPK.

November marked another month of shift in positions, largely driven by significant swings in traffic in major domestic markets, particularly China.

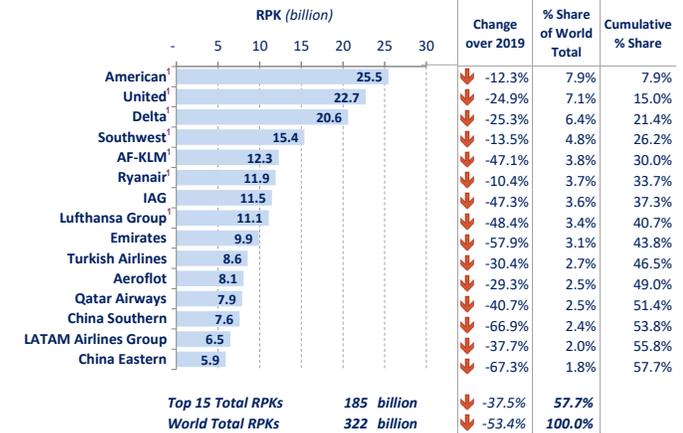
US airlines retained the Top 4 positions with **American** at **1st**, followed by **United**, **Delta** and **Southwest**. Among the four, **American** and **Southwest** continued to post smaller declines.

After a modest pick-up, domestic passenger traffic in China deteriorated substantially due to the tightened travel restriction against the renewed outbreaks. Only two airline groups, **China Southern** and **China Eastern** remained in the Top 15, at **13th** and **15th**, respectively.

European airlines continued to show improvements on the back of easing travel restrictions. The most noticeable rise was recorded by **Ryanair**, which jumped 4 places to **6th**. **AF-KLM** and **IAG** improved 2 and 1 positions, respectively, while **Lufthansa** dropped 2 positions to **8th**.

Owing to the steady recovery in international travel, **Emirates** and **Qatar** moved up 5 and 3 positions to **9th** and **12th**, respectively. For the first time in the past two years, **LATAM** re-appeared in the Top 15 group and ranked **14th**.

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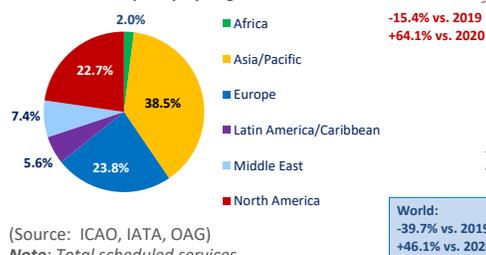
(Source: ICAO, airlines' websites)

Note: Total scheduled and non-scheduled services

CAPACITY BY REGION (ICAO Statistical Regions)

NOV 2021: -39.7% (vs. 2019) in terms of World ASK

% Share of Capacity by Region



(Source: ICAO, IATA, OAG)

Note: Total scheduled services

Worldwide capacity contracted by **-39.7%** in **November 2021**, compared to 2019, a slight improvement from the **-41.2%** fall in October. The recovery was broad-based across all major regions, except for Asia/Pacific, which posted the largest contraction with further deterioration.

North America demonstrated the most resilience, followed by Latin America/Caribbean.

* Embarked Passengers ** Loaded and Unloaded Freight in Tonnes 1. ICAO estimates

ACRONYMS: ACI: Airports Council International; ASK: Available Seat-Kilometres; IATA: International Air Transport Association; FTK: Freight Tonne-Kilometres; LF: Passenger Load Factor; OAG: Official Airline Guide; RPK: Revenue Passenger-Kilometres; UNWTO: World Tourism Organization; YoY: Year-on-year; YTD: Year-to-date.