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PUNCTUALITY  
LEAGUE  
2019

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2019



# **ON-TIME PERFORMANCE FOR AIRLINES AND AIRPORTS BASED ON FULL-YEAR DATA 2018**

Published January 2019

# ABOUT THE PUNCTUALITY LEAGUE 2019

The league is based on 58 million flight records using full-year data from 2018 to create a ranking of the best on-time performance (OTP) for the world's largest airlines and airports.

The Punctuality League rankings are shown as tables of the Top 20 airlines worldwide for OTP as well as the Top 20 Mainline airlines and low-cost carriers (LCCs). The world's airports are divided into five size categories and the best in each category are ranked.

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# QUALIFYING CRITERIA

To qualify for inclusion in the OAG Punctuality League, the OAG schedules database must have flight status data for at least 80% of all scheduled flights operated by an airline or for an airport.

- OAG's definition of on-time performance (OTP) is flights that arrive or depart within 15 minutes of their scheduled arrival/departure times.
- Cancellations are also included.
- Airports must have a minimum of 2.5m departing seats to be included in the report.
- The threshold for airlines is those ranked among the Top 250 airlines by annual Available Seat Kilometres (ASKs). Airline OTP is for arrivals only.
- A 'record' is defined as a flight for which OAG has either a 'code' or an actual time of arrival (and departure in the case of airports), and includes cancelled services.
- OTP data is not included for other categories of flights such as charter or non-passenger operations.

# CATEGORY DEFINITIONS

## Airlines

- **All eligible airlines including mainline and low-cost carriers**
- **World's Mega airlines**  
The world's Top 20 operators globally in terms of scheduled flights in 2018.
- **Mainline airlines** (i.e. excluding low-cost carriers) Mainline airlines must have been ranked among the Top 250 operators globally in terms of Available Seat Kilometres (ASKs) in 2018, and must have operated more than 30,000 scheduled flights in 2018
- **Low-cost carriers**  
Low-cost carriers (LCC) must have ranked among the Top 250 operators globally in terms of Available Seat Kilometres (ASKs) in 2018 and operated at least 30,000 scheduled flights in 2018. The OAG LCC list was refreshed earlier this year and is determined by our industry knowledge, supplemented by carrier feedback and consultation with industry partners.
- **Airlines based in regions**  
There are six regional categories which rank the best airlines, mainline and LCC, operating in groupings of IATA defined global regions. In each category airlines must have operated a minimum of 18,000 scheduled flights in 2018 to qualify for inclusion.
- **Africa**
- **Asia and Southwest Pacific**
- **Europe**
- **Middle East and Africa**
- **Latin America**
- **North America**

## Airports

As defined by number of departing scheduled seats in 2018:

- **Small airports** – 2.5-5 million seats
- **Medium airports** – 5-10 million seats
- **Large airports** – 10-20 million seats
- **Major airports** – 20-30 million seats
- **Mega airports** – 30+ million seats

# TOP AIRLINES

# ALL AIRLINES CATEGORY

Latin American airline Copa Airlines achieves the top spot with on-time performance of 89.79%. Ranked 4th in the 2018 Punctuality League, the airline has improved OTP by more than 3 percentage points.

Copa Airlines takes the lead from airBaltic which drops into second place by a narrow margin due to a small decline in OTP for the Latvian airline.

Ranked fifth, Bangkok Airlines has seen a dramatic improvement in OTP which has risen from 77.58% last year to 87.16%.

Other airlines making significant year-on-year improvements, and therefore appearing among the Top 20 airlines this year, are LATAM Airlines Group, ranked 7th, and KLM, now ranked 10th. These airlines were ranked 36th and 30th last year, respectively.

Airlines for which OTP is moving in the other direction include Japan Airlines which falls to 13th place, down from 4th last year, with OTP of 83.99%.

Vueling, likely affected by French industrial action, is another airline where OTP has declined year-on-year so that last year's 7th place has been replaced with a ranking of 63rd.



## TOP 20 AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	98.9%	Copa Airlines	CM	89.79%
2	84.9%	airBaltic	BT	89.17%
3	96.7%	Hong Kong Airlines	HX	88.11%
4	98.2%	Hawaiian Airlines	HA	87.52%
5	98.4%	Bangkok Airways	PG	87.16%
6	97.9%	Qantas Airways	QF	85.65%
7	90.7%	LATAM Airlines Group	LA	85.60%
8	99.0%	Azul	AD	85.21%
9	90.8%	Qatar Airways	QR	85.17%
10	99.1%	KLM	KL	84.52%
11	89.6%	All Nippon Airways	NH	84.43%
12	94.4%	Jetstar Asia	3K	84.13%
13	97.6%	Japan Airlines	JL	83.99%
14	97.0%	Air Astana	KC	83.52%
15	99.2%	Singapore Airlines	SQ	83.46%
16	99.5%	Delta Air Lines	DL	83.08%
17	82.0%	Iberia	IB	83.04%
18	98.9%	Solaseed	6J	82.90%
19	82.8%	Mango	JE	82.88%
20	99.4%	Alitalia	AZ	82.87%

# TOP AIRLINES

# MEGA CATEGORY

Among the world's largest airlines, the LATAM Airlines Group has achieved the highest OTP with 85.60% of flights reported as on-time. The airline takes first place, up from its ranking of 8th place in the previous Punctuality League.

US LCC Southwest has moved ahead of its mainline US rivals United Airlines and American Airlines with OTP of 78.20%.

Each of the three major Chinese carriers has seen a positive improvement in OTP after a collective focus by the Chinese Civil Aviation Authority (CAAC) on improving OTP: China Southern has moved from 64.19% to 71.52%; China Eastern has moved from 61.80% to 70.62%; and, Air China has improved from 60.14% to 68.84%.

In contrast, both SAS and Lufthansa have seen a drop in OTP and corresponding falls in their ranking.

## TOP 20 MEGA AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	90.7%	LATAM Airlines Group	LA	85.60%
2	89.6%	All Nippon Airways	NH	84.43%
3	97.6%	Japan Airlines	JL	83.99%
4	99.5%	Delta Air Lines	DL	83.08%
5	99.6%	Alaska Airlines	AS	82.61%
6	87.4%	IndiGo	6E	81.70%
7	99.5%	Southwest	WN	78.20%
8	99.6%	United Airlines	UA	78.06%
9	99.7%	American Airlines	AA	77.65%
10	98.3%	British Airways	BA	75.78%
11	96.2%	SAS	SK	75.43%
12	99.0%	Turkish Airlines	TK	75.39%
13	99.1%	Air France	AF	74.11%
14	99.4%	easyJet	U2	72.89%
15	98.1%	China Southern Airlines	CZ	71.52%
16	99.6%	JetBlue	B6	71.37%
17	98.1%	China Eastern Airlines	MU	70.62%
18	99.7%	Lufthansa	LH	69.41%
19	93.3%	Air China	CA	68.84%
20	99.4%	Air Canada	AC	66.82%

# TOP AIRLINES

# MAINLINE CATEGORY

Sixteen of the Top 20 Mainline airlines also appear among the Top 20 Airlines, with Copa Airlines, airBaltic and Hong Kong Airlines taking the top three spots.

Bangkok Airways has made an impressive move, leaping from 32nd place to being ranked 5th this time around with OTP of 87.16%.

There are five new entrants among the Top 20 airlines which ranked below 20 last year. These are Bangkok Airways, LATAM Airlines Group, KLM, Siberia Airlines and Emirates.

OAG is also pleased to welcome Air Astana to the Punctuality League this year, which comes in at 12th place.

## TOP 20 MAINLINE AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	98.9%	Copa Airlines	CM	89.79%
2	84.9%	airBaltic	BT	89.17%
3	96.7%	Hong Kong Airlines	HX	88.11%
4	98.2%	Hawaiian Airlines	HA	87.52%
5	98.4%	Bangkok Airways	PG	87.16%
6	97.9%	Qantas Airways	QF	85.65%
7	90.7%	LATAM Airlines Group	LA	85.60%
8	90.8%	Qatar Airways	QR	85.17%
9	99.1%	KLM	KL	84.52%
10	89.6%	All Nippon Airways	NH	84.43%
11	97.6%	Japan Airlines	JL	83.99%
12	97.0%	Air Astana	KC	83.52%
13	99.2%	Singapore Airlines	SQ	83.46%
14	99.5%	Delta Air Lines	DL	83.08%
15	82.0%	Iberia	IB	83.04%
16	99.4%	Alitalia	AZ	82.87%
17	99.6%	Alaska Airlines	AS	82.61%
18	92.7%	Siberia Airlines	S7	81.75%
19	98.5%	Emirates	EK	81.44%
20	98.4%	Avianca Brazil	O6	81.15%

# TOP AIRLINES

# LCC CATEGORY

Azul tops the list of Top 20 LCCs with OTP of 85.21%, up from its ranking of fifth place last year.

Jetstar Asia retains second place with OTP of 84.13%.

Transavia and Norwegian are the only European LCCs in the Top 20 as Vueling, easyJet and Eurowings all drop to positions outside the Top 20.

As a consequence Solaseed, Mango, Flynas and Air Busan all enter the Top 20 LCCs having made the qualifying criteria this year. Solaseed has achieved an impressive OTP with 82.90% of flights arriving on time.

## TOP 20 LCC BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	99.0%	Azul	AD	85.21%
2	94.4%	Jetstar Asia	3K	84.13%
3	98.9%	Solaseed	6J	82.90%
4	82.8%	Mango	JE	82.88%
5	98.0%	Volaris	Y4	82.04%
6	82.1%	Transavia	HV	81.98%
7	87.4%	IndiGo	6E	81.70%
8	95.3%	Thai AirAsia	FD	81.24%
9	98.1%	Spirit Airlines	NK	80.83%
10	96.3%	Sky Airline	H2	79.89%
11	87.5%	GOL Linhas Aereas	G3	79.70%
12	87.8%	Air Asia India	I5	79.03%
13	99.5%	Southwest	WN	78.20%
14	98.2%	Virgin America	VX	77.57%
15	97.2%	Allegiant Air	G4	76.92%
16	91.3%	Flynas - National Air Services	XY	76.79%
17	99.7%	Westjet	WS	76.26%
18	94.8%	Norwegian Air Shuttle	DY	74.57%
19	94.0%	Jetstar Airways	JQ	74.33%
20	82.0%	Air Busan	BX	74.08%

**AIRLINES**

**BY**

**REGION**

**LEAG**



## AFRICA AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	82.8%	Mango	JE	82.88%
2	84.4%	Air Austral	UU	73.37%
3	91.3%	Air Mauritius	MK	71.26%
4	86.5%	Ethiopian Airlines	ET	69.63%
5	98.2%	Egyptair	MS	64.40%

OAG is delighted to be able to include results for 5 African airlines. Ranked 1st in Africa, South African LCC Mango has the best OTP with 82.88% of flights arriving on time. Ethiopian Airlines, by far the largest African airline with an OTP ranking, has OTP of 69.63% based on 86.5% coverage of just over 110,000 flights.

## ASIA PACIFIC AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	96.7%	Hong Kong Airlines	HX	88.11%
2	98.4%	Bangkok Airways	PG	87.16%
3	97.9%	Qantas Airways	QF	85.65%
4	89.6%	All Nippon Airways	NH	84.43%
5	94.4%	Jetstar Asia	3K	84.13%
6	97.6%	Japan Airlines	JL	83.99%
7	97.0%	Air Astana	KC	83.52%
8	99.2%	Singapore Airlines	SQ	83.46%
9	98.9%	Solaseed	6J	82.90%
10	87.4%	IndiGo	6E	81.70%

Hong Kong Airlines retains the No. 1 ranking in Asia Pacific with OTP of 88.11%. Bangkok Airways has made it into 2nd place, up from a ranking of 11th place last year. Skymark Airlines, Air New Zealand and Virgin Australia have dropped out of the Top 10 this year, while Bangkok Airways has moved up the ranking to take a place among the Top 10. Air Astana and Solaseed are new to the Punctuality League this year.

## EUROPE AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	84.9%	airBaltic	BT	89.17%
2	99.1%	KLM	KL	84.52%
3	82.0%	Iberia	IB	83.04%
4	99.4%	Alitalia	AZ	82.87%
5	82.1%	Transavia	HV	81.98%
6	92.7%	Siberia Airlines	S7	81.75%
7	84.0%	Aer Lingus	EI	78.90%
8	87.0%	Aegean Airlines	A3	78.32%
9	99.5%	Air Europa	UX	78.15%
10	98.6%	Finnair	AY	77.69%

airBaltic retains the 1st place ranking in the Top 10 European airlines. KLM has improved its OTP from 80.87% to 84.52%, enabling it to take 2nd place in the rankings. Iberia, ranked 3rd, makes it into the Top 10 this year with OTP of 83.04% having failed to qualify last year. Siberia Airlines has made it into the Top 10 while Vueling, Austrian and SAS have dropped out.

## LATIN AMERICA AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	98.9%	Copa Airlines	CM	89.79%
2	90.7%	LATAM Airlines Group	LA	85.60%
3	99.0%	Azul	AD	85.21%
4	98.0%	Volaris	Y4	82.04%
5	98.4%	Avianca Brazil	O6	81.15%
6	98.9%	Aerolineas Argentinas	AR	80.51%
7	98.4%	Aeromexico	AM	80.45%
8	96.3%	Sky Airline	H2	79.89%
9	87.5%	GOL Linhas Aereas	G3	79.70%
10	86.0%	Caribbean Airlines	BW	79.24%

As the airline with the best OTP in the world in 2018, Copa Airlines also tops the rankings in Latin America. LATAM Airlines Group moves up from 7th place to 2nd place with OTP of 85.60%, while Azul slips down from 2nd to 3rd place. A significant improvement is visible at Aeromexico with OTP moving from 75.64% to 80.45%, and moving the carrier into a 7th place ranking.

## MIDDLE EAST AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	90.8%	Qatar Airways	QR	85.17%
2	98.5%	Emirates	EK	81.44%
3	95.9%	Saudi Arabian Airlines	SV	81.12%
4	93.2%	Royal Jordanian	RJ	77.13%
5	91.3%	Flynas - National Air Services	XY	76.79%

Among Middle Eastern carriers Qatar Airways continues to operate with the best OTP, and even improved performance this year with 85.17% of flights arriving on time compared to 82.95% in the previous year. Both Emirates and Saudi Arabian Airlines have also improved OTP and now take the 2nd and 3rd places among the Top 5 airlines in the region.

## NORTH AMERICAN AIRLINES BY OTP

Rank	Coverage	Airline name	Code	OTP 2018
1	98.2%	Hawaiian Airlines	HA	87.52%
2	99.5%	Delta Air Lines	DL	83.08%
3	99.6%	Alaska Airlines	AS	82.61%
4	98.1%	Spirit Airlines	NK	80.83%
5	99.5%	Southwest	WN	78.20%
6	99.6%	United Airlines	UA	78.06%
7	99.7%	American Airlines	AA	77.65%
8	98.2%	Virgin America	VX	77.57%
9	97.2%	Allegiant Air	G4	76.92%
10	99.7%	Westjet	WS	76.26%

Hawaiian Airlines keeps its top-spot ranking while Delta retains its 2nd place ranking. Both airlines slightly improved OTP compared to the previous year. North American LCCs Spirit and Southwest move up the rankings while mainline carriers United and American move down, albeit that OTP has only changed a small amount for each airline. Spirit Airlines, ranked 4th, improved its OTP by almost 4 percentage points, while Virgin America, is ranked 8th having improved OTP by over 7 percentage points.

# AIRPORTS SMALL

## 2.5–5M DEPARTING SEATS PER ANNUM

Among the Top 20 Small Airports 84.0% of arriving and departing flights were operated within 15 minutes of their scheduled arrival and departure times in 2018. The data coverage for these airports was 92.9%.

Congratulations to Minsk Airport, a new entrant in the Punctuality League, for achieving the top spot among small airports with an impressive OTP of 92.35%. Brazil's small airports have performed particularly well with Curitiba ranked 4th (up from 14th last year), Fortaleza ranked 8th (up from 24th) and Salvador ranked 13th (up from 27th).

A number of airports have dropped down the rankings. Last year's winner, Tenerife North, has dropped down to 5th place, whilst Hannover has fallen from 2nd to 16th place and Bergen has dropped from 8th to 17th.

Brussels Charleroi, which appeared among the Top 5 small airports on 3 occasions, dropped to 6th place last year and has dropped out of the Top 20 this year.

## TOP 20 SMALL AIRPORTS BY OTP

Rank	Coverage	Airport name	Code	OTP 2018
1	89.0%	Minsk	MSQ	92.35%
2	84.6%	Abha	AHB	86.57%
3	81.8%	San Jose Cabo	SJD	86.48%
4	95.1%	Curitiba	CWB	86.26%
5	94.6%	Tenerife North	TFN	85.20%
6	97.6%	San Salvador	SAL	84.47%
7	97.3%	Liverpool	LPL	84.10%
8	89.5%	Fortaleza	FOR	83.82%
9	87.3%	Cairns	CNS	83.70%
10	84.9%	Durban	DUR	83.60%
11	94.2%	Kagoshima	KOJ	83.58%
12	95.8%	Stavanger	SVG	83.50%
13	93.3%	Salvador	SSA	82.97%
14	95.0%	Hannover	HAJ	82.69%
15	95.1%	Trondheim	TRD	82.67%
16	92.5%	Anchorage	ANC	82.36%
17	97.4%	Bergen	BGO	82.19%
18	98.8%	Reno	RNO	81.76%
19	99.2%	Omaha	OMA	81.70%
20	87.3%	Bhubaneshwar	BBI	81.64%

AIRPORTSMEDIUM

## 5-10M DEPARTING SEATS PER ANNUM

Average on-time performance in 2018 among the Top 20 Medium Airports is 83.7%, meaning this percentage of arriving and departing flights operated within 15 minutes of their scheduled arrival and departure times. Average data coverage for these 20 airports was 93.7%.

Panama City, 2nd last year, moves up to 1st place with OTP of 91.11% while Birmingham Airport, which was ranked first among Medium airports last year, this year has dropped out of the Top 20 rankings.

As with the small airports, there are a number of strong performances from Brazilian airports with Sao Paulo Viracopos, Recife, Belo Horizonte, Rio de Janeiro Santos Dumont, Rio de Janeiro and Porto Alegre all appearing among the Top 8 medium airports for OTP.

14 of the Top 20 Medium Airports are in the Americas.

## TOP 20 MEDIUM AIRPORTS BY OTP

Rank	Coverage	Airport name	Code	OTP 2018
1	98.3%	Panama City	PTY	91.11%
2	83.0%	Dammam	DMM	87.34%
3	98.5%	Sao Paulo Viracopos	VCP	85.95%
4	96.3%	Recife	REC	84.93%
5	93.6%	Rio de Janeiro Santos Dumont	SDU	84.88%
6	95.2%	Belo Horizonte	CNF	84.84%
7	84.6%	Nagoya	NGO	84.08%
8	88.4%	Rio de Janeiro	GIG	83.73%
9	91.4%	Porto Alegre	POA	83.64%
10	94.9%	Milan Linate	LIN	83.50%
11	99.8%	Sacramento	SMF	83.22%
12	98.6%	Santa Ana	SNA	83.20%
13	97.9%	Adelaide	ADL	82.95%
14	99.1%	San Jose	SJC	82.20%
15	99.3%	Kansas City	MCI	82.07%
16	94.0%	Perth	PER	81.94%
17	84.8%	Edmonton	YEG	81.09%
18	96.2%	Berlin Schoenefeld	SXF	80.81%
19	82.1%	Pittsburgh	PIT	80.58%
20	97.3%	San Antonio	SAT	80.41%

# AIRPORTS

# LARGE

## 10–20M DEPARTING SEATS PER ANNUM

The Top 20 airports in the Large Airport category on average ensured that 81.9% of arriving and departing flights operated within 15 minutes of their scheduled arrival and departure times in 2018. The average data coverage for these airports was 92.7%.

With OTP close to that achieved last year, Osaka holds on to the top spot in the rankings for large airports.

There are two new entrants to the Punctuality League among the Top 20 - Honolulu and Fukuoka, with Honolulu moving straight into 2nd place with an OTP of 87.67%.

Brasilia moves to 3rd place, up from 4th last year, while Salt Lake City is in 4th place this year, down from 2nd place last year.

While Chennai drops out, another Indian airport - Bengaluru - has made it into the Top 20 at 16th place.

Calgary and Riyadh also move into the Top 20 having been ranked outside it last year.



## TOP 20 LARGE AIRPORTS BY OTP

Rank	Coverage	Airport name	Code	OTP 2018
1	90.5%	Osaka	ITM	88.22%
2	86.0%	Honolulu	HNL	87.67%
3	93.5%	Brasilia	BSB	86.08%
4	99.5%	Salt Lake City	SLC	85.90%
5	98.4%	Portland	PDX	85.03%
6	91.8%	São Paulo-Congonhas	CGH	84.64%
7	90.2%	Sapporo	CTS	83.47%
8	96.1%	Brisbane	BNE	82.58%
9	80.4%	Fukuoka	FUK	82.48%
10	99.6%	San Diego	SAN	81.41%
11	84.6%	Riyadh	RUH	80.60%
12	98.5%	Washington Dulles	IAD	80.46%
13	89.8%	Hyderabad	HYD	80.27%
14	89.6%	Athens	ATH	80.07%
15	98.2%	Calgary	YYC	79.74%
16	93.1%	Bengaluru	BLR	79.67%
17	86.5%	Santiago	SCL	79.66%
18	86.5%	Istanbul Sabiha Gokcen	SAW	79.30%
19	94.6%	Baltimore Washington	BWI	78.45%
20	98.4%	Oslo	OSL	78.42%

# AIRPORTS MAJOR

## 20–30M DEPARTING SEATS PER ANNUM

The Top 20 airports in the Major Airport category on average ensured that 80.0% of arriving and departing flights operated within 15 minutes of their scheduled arrival and departure times in 2018. The average data coverage for these airports was 96.5%.

Moscow Sheremetyevo Airport is ranked number 1 among major airports for on-time performance with 87.00% of flights on time. This is an improvement on its 3rd place ranking last year.

Doha retains its 2nd place ranking while Mexico City moves up to 3rd place from 9th a year ago. Meanwhile last year's winner, Minneapolis St Paul, has moved down to third place.

Notable improvers include Mexico City which moved from 9th place last year to 5th place this year with OTP of 83.35% while Phoenix fell down the rankings from 5th to 11th and Tokyo Narita fell from 7th to 13th place.

Fort Lauderdale enters the Top 20 having moved into the Major Airport category for the first time.

## TOP 20 MAJOR AIRPORTS BY OTP

Rank	Coverage	Airport name	Code	OTP 2018
1	94.0%	Moscow Sheremetyevo	SVO	87.00%
2	92.4%	Doha	DOH	84.91%
3	98.3%	Minneapolis	MSP	84.02%
4	99.7%	Detroit	DTW	83.84%
5	98.9%	Mexico City	MEX	83.35%
6	99.0%	Houston	IAH	82.26%
7	80.5%	Bangkok Don Mueang	DMK	81.52%
8	99.1%	Seattle	SEA	80.58%
9	96.8%	Miami	MIA	79.91%
10	87.6%	Sao Paulo Guarulhos	GRU	79.91%
11	98.8%	Phoenix	PHX	79.88%
12	96.7%	Las Vegas	LAS	79.70%
13	94.3%	Tokyo Narita	NRT	79.65%
14	99.3%	Charlotte	CLT	79.51%
15	97.4%	Fort Lauderdale	FLL	77.17%
16	98.0%	Orlando	MCO	76.98%
17	97.0%	Sydney	SYD	76.10%
18	95.9%	Melbourne	MEL	74.69%
19	97.9%	Rome Fiumicino	FCO	74.09%
20	97.4%	Boston	BOS	74.05%

# AIRPORTS MEGA

## 30M+ DEPARTING SEATS PER ANNUM

Average on-time performance in 2018 among the world's biggest airports is 77.1%, meaning this percentage of arriving and departing flights operated within 15 minutes of their scheduled arrival and departure times. Average data coverage for these 20 airports was 94.3%.

Seven of the Top 20 airports in this category are in North America, with a further six in Asia Pacific. Six of Europe's biggest airports also make it into the Top 20 in this category.

Although OTP at Tokyo Haneda has fallen slightly, the airport retains its place at the top of the mega airport rankings.

While Atlanta, Singapore Changi and Los Angeles move up the table, ranked 2nd, 3rd and 5th respectively, Madrid, London Heathrow and Frankfurt have all moved down.

Munich Airport is a new entrant to this ranking, having qualified for the Mega Airports category for the first time, while Paris Charles de Gaulle and Dubai have dropped out of the table altogether.

## TOP 20 MEGA AIRPORTS BY OTP

Rank	Coverage	Airport name	Code	OTP 2018
1	94.0%	Tokyo Haneda	HND	85.62%
2	99.4%	Atlanta	ATL	82.23%
3	95.1%	Singapore Changi	SIN	80.70%
4	97.3%	Denver	DEN	80.65%
5	96.7%	Los Angeles	LAX	79.95%
6	95.2%	Madrid	MAD	79.16%
7	98.0%	Dallas/Fort Worth	DFW	78.23%
8	95.5%	Amsterdam	AMS	77.73%
9	83.2%	Bangkok	BKK	77.21%
10	98.6%	Chicago O'Hare	ORD	76.67%
11	91.2%	Istanbul Ataturk	IST	76.09%
12	95.1%	New York JFK	JFK	76.03%
13	84.5%	Delhi	DEL	76.01%
14	98.8%	San Francisco	SFO	75.64%
15	94.0%	London Heathrow	LHR	74.06%
16	83.4%	Beijing	PEK	73.87%
17	94.1%	Munich	MUC	71.98%
18	93.3%	Hong Kong	HKG	71.51%
19	96.7%	Frankfurt	FRA	70.71%
20	91.2%	Kuala Lumpur	KUL	70.41%

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