

# LARGE HUB

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2021 DOMESTIC DEPARTURES

# WHAT IS A HUB?

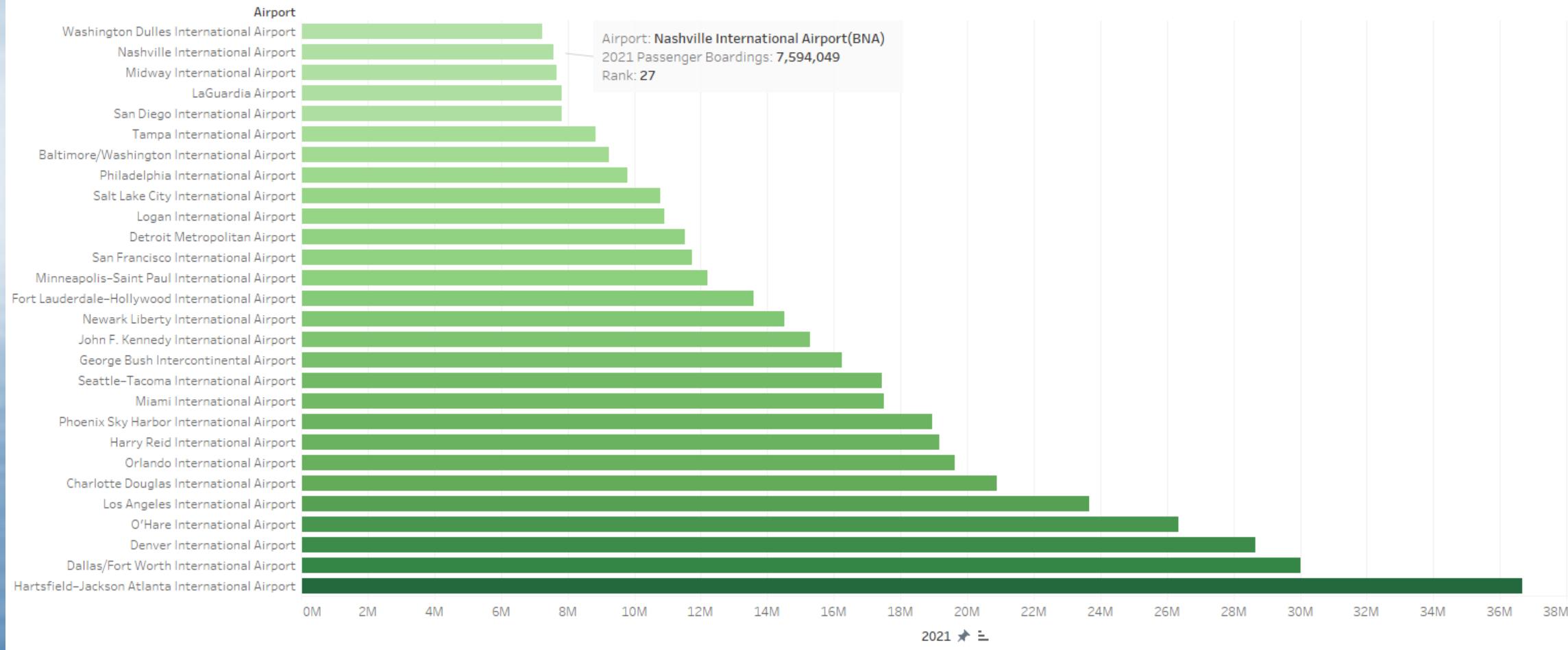
- The term “hub” is how the FAA identifies busy commercial service airports
  - Defined as a percentage of total passenger boardings within the United States in the most current calendar year ending before the start of the current fiscal year
- 5 Hub categories for Primary Airports
  - **Large hub** at least 1% percent of total annual U.S. passenger boardings
  - **Medium hub** 0.25% - 1% percent of the total annual passenger boardings
  - **Small hub** 0.05% - .25% percent of the total annual passenger boardings
  - **Nonhub** less than 0.05% percent but more than 10,000 annual passenger boardings
  - **Nonprimary Commercial Service** 2,500 and 10,000 annual boardings

# **HOW DOES BNA MEASURE UP?**

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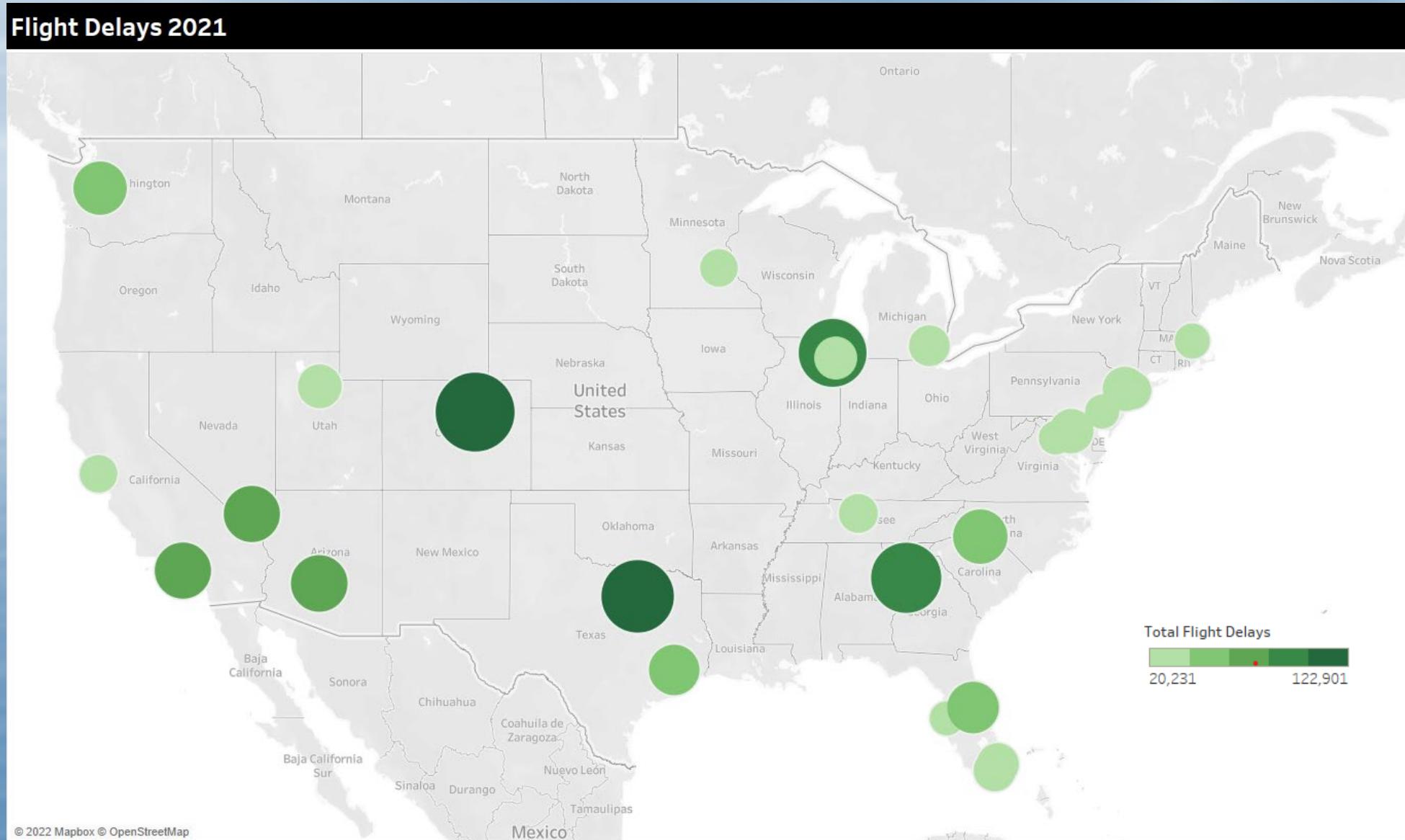
# PASSENGER BOARDINGS

## Passenger Boardings 2021



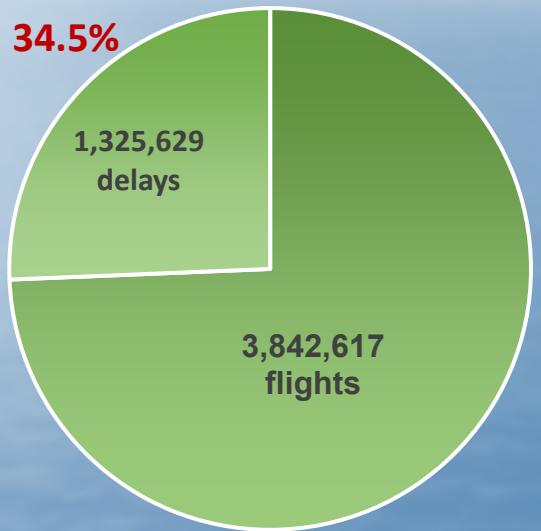
[Passenger Boardings 2021](#)

# DEPARTURE DELAYS



# DEPARTURE DELAY STATS

Percentage of Flight Delays in 2021



Overall Large Hub Flight  
Delay Average = 34.78%

Airport	Total Flights	Total Delays	% Flight Delay
MDW	64,478	36,641	56.83
BWI	75,477	39,828	52.77
DEN	268,140	122,901	45.83
LAS	141,412	62,890	44.47
BNA	74,828	30,046	40.15
MCO	132,637	52,617	39.67
PHX	160,640	63,334	39.43
FLL	87,488	33,754	38.58
EWR	102,451	38,850	37.92
MIA	92,012	34,882	37.91
DFW	280,418	103,603	36.95
LAX	174,318	62,290	35.73
TPA	68,399	23,176	33.88
SEA	168,025	56,159	33.42
JFK	82,650	27,307	33.04
IAH	153,635	50,363	32.78
SLC	119,075	37,887	31.82
ORD	285,607	90,734	31.77
SAN	64,257	20,231	31.48
ATL	313,287	97,216	31.03
IAD	74,696	22,132	29.63
SFO	98,791	28,093	28.44
BOS	90,839	24,535	27.01
CLT	226,221	58,430	25.83
LGA	87,880	22,524	25.63
DTW	130,232	32,927	25.28
MSP	121,481	28,394	23.37
PHL	103,243	23,885	23.13

# DEPARTURE DELAY AVERAGES

## Longest Average Departure Delays

Airport Code	Average Delay Minutes
IAD	48
PHL	46
LGA	44
EWR	44
IAH	43

## Shortest Average Departure Delays

Airport Code	Average Delay Minutes
SEA	26
MDW	28
ATL	28
BWI	30
BNA	33

BNA is in the top 5 for least average delay minutes

# DELAY CAUSES

- **Carrier:** Due to circumstances within the airline's control
- **Weather:** Significant meteorological conditions (actual or forecasted)
- **National Aviation System (NAS):** Delays and cancellations attributable to the national aviation system
- **Late-arriving aircraft:** A previous flight with same aircraft arrived late
- **Security:** Causes to do with airport or terminal security

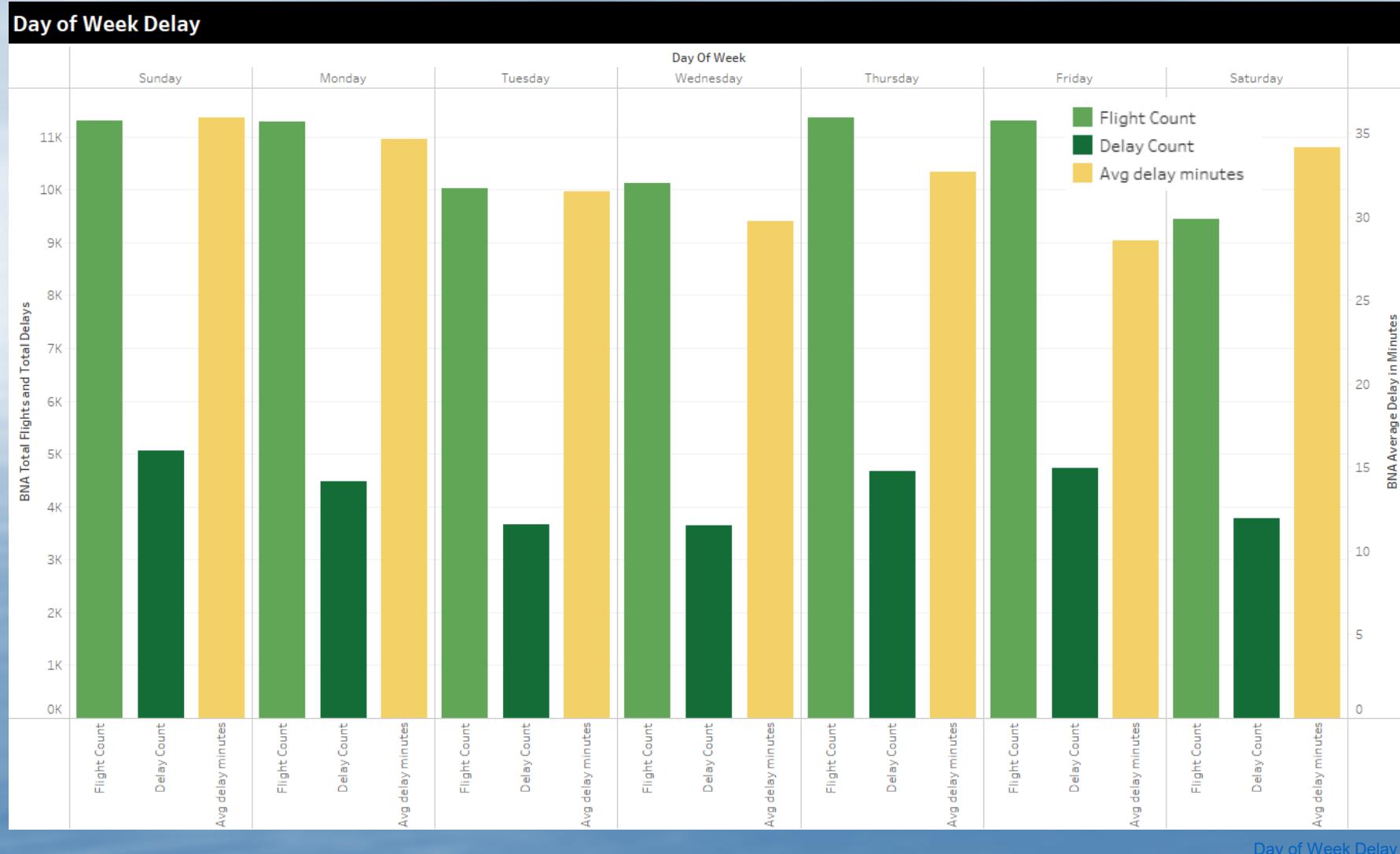
Cause	BNA Delayed Flight %	Large Hub Delayed Flight %
Carrier	26.86	31.22
Late Aircraft	26.33	21.34
NAS	18.04	22.10

Weather	1.74	3.46
Security	0.23	0.36

**WHEN IS THE BEST DAY AND TIME  
TO DEPART BNA?**

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# BEST DAY & TIME TO TRAVEL



**Time of Day Delay**

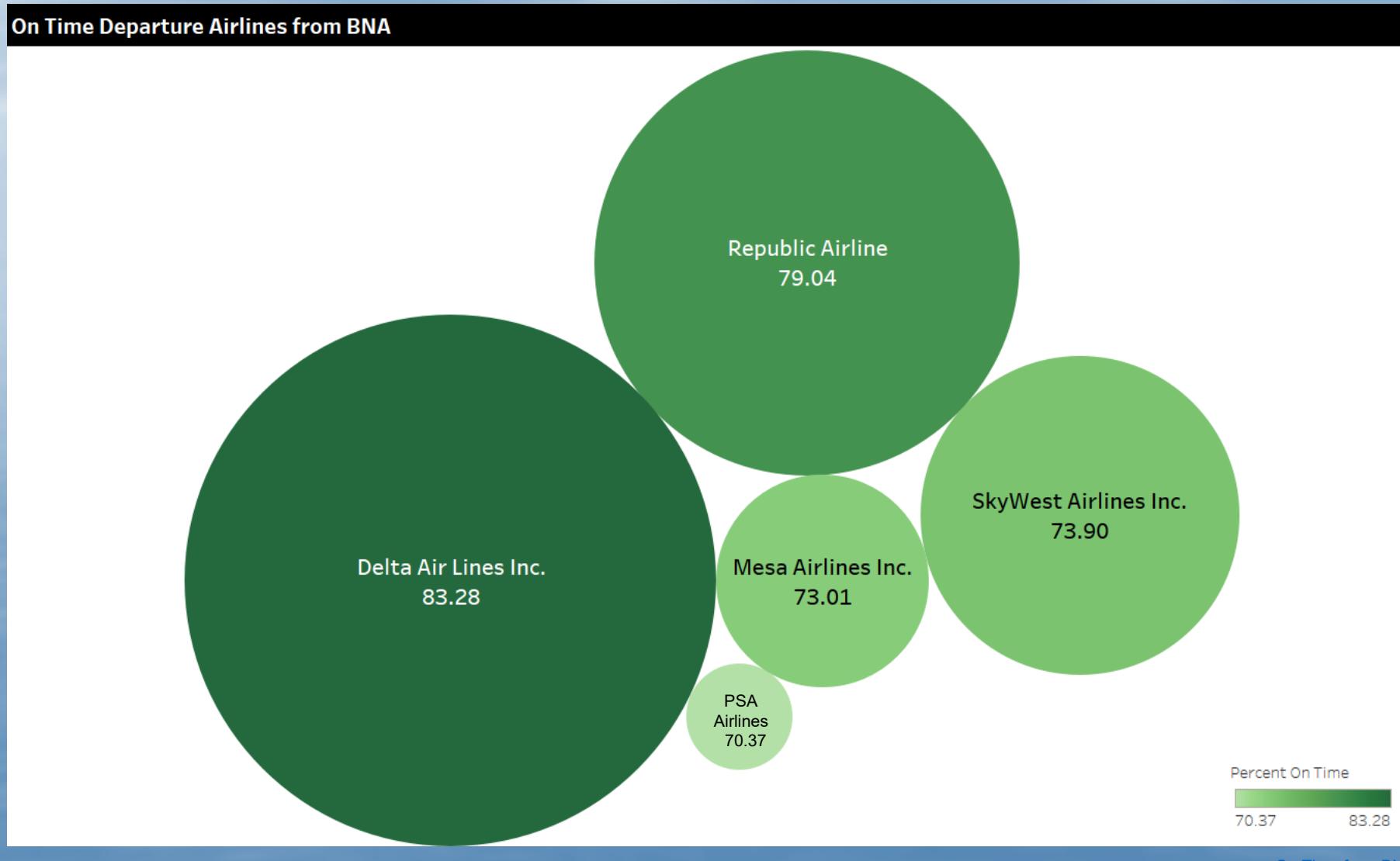
Time Of Day	Flight Count
Evening 6-9pm	7,166
Midday 3-6pm	5,487
Morning 9am-12pm	5,358
Afternoon 12-3pm	4,450
Early 6-9am	4,153
Late 9pm-midnight	3,160
Overnight 12-6am	272

- Best to travel**
- ✓ Tuesday
  - ✓ Wednesday
  - ✓ Saturday
  - ✓ Early 6-9am
  - ✓ Late 9pm-midnight

# **WHICH AIRLINE IS BEST TO DEPART BNA?**

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# ON TIME DEPARTURE FROM BNA



## DATA SOURCES

- Wikipedia. *List of the busiest airports in the United States*. Retrieved August 3, 2022 from [https://en.wikipedia.org/wiki/List\\_of\\_the\\_busiest\\_airports\\_in\\_the\\_United\\_States](https://en.wikipedia.org/wiki/List_of_the_busiest_airports_in_the_United_States)
- Amadeus Self Service APIs. *Airport & City Search*. Retrieved August 3, 2022 from <https://developers.amadeus.com/self-service/category/air/api-doc/airport-and-city-search>
- Bureau of Transportation Statistics. *Aviation Support Tables*. Retrieved August 3, 2022 from [https://www.transtats.bts.gov/DL\\_SelectFields.aspx?gnoyr\\_VQ=FGK&QO\\_fu146\\_anzr=b0-gvzr](https://www.transtats.bts.gov/DL_SelectFields.aspx?gnoyr_VQ=FGK&QO_fu146_anzr=b0-gvzr)

# QUESTIONS

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