# Airlines for America 

We Connect the World

# Industry Review: Allocating Capital to Benefit Customers, Employees and Investors 

Updated April 24, 2024
http://airlines.org/dataset/a4a-presentation-industry-review-and-outlook/
U.S. Airlines Facilitate the Safe and Efficient Movement of People and Goods Worldwide Data Reflects Passenger and Cargo-Only Operations*
~800K
employees around the world


Powering ~26K flights per day across the globe

Carrying ~2.6M passengers per day to/from $\sim 80$ countries


Moving ~61K tons of cargo per day to/from more than 220 countries

"Through the 1930s and into the 1940s, almost everyone flew first class. Airlines did encourage more people to fly in the 1950s and 1960s by introducing coach or tourist fares, but the savings were relative: less expensive than first class, but still pricey. In 1955, for example, so-called 'bargain fares' from New York to Paris were the equivalent of just over \$3,200 in 2023 dollars. Although the advent of jets did result in lower fares, the cost was still out of reach of most Americans... The demographics of travelers did begin to shift during [the 1960s]. More women, more young people, and retirees began to fly; still, airline travel remained financially out-of-reach for most. If it was a golden age, it only was for the very few."

Janet Bednarek, University of Dayton. "Longing for the 'golden age' of air travel? Be careful what you wish for," CNN Travel (Feb. 28, 2023)

## Traveling by Air Is Safer Than Ever

"These days, we barely think about safety when we board a plane...because flying across the sky is safer than walking across the street. Airplanes produce fewer deaths per mile than cars, ferries, trains, subways or buses..."
"The U.S. aviation system has become so amazingly, unexpectedly safe that other industries in the business of fatal risk, from healthcare to artificial intelligence, are hoping to bring lessons of the sky back to hospitals and research labs on the ground."

Ben Cohen, "Flying in America Has Actually Never Been Safer," The Wall Street Journal (Jan. 12, 2024)

## Traveling by Air Is Safer Than Ever (Cont'd)

"When the risk of flying is so minuscule, being afraid to board an airplane is hardly more justified than avoiding the supermarket for fear that the ceiling will collapse."
"The safety of flying in countries like the U.S. is the eighth wonder of the world. Far from being nervous as we approach the airport, we should be awestruck that flying is so free of risk - and deeply grateful to those who have made it so."

> Arnold Barnett, George Eastman Professor of Management Science and professor of statistics at MIT Sloan School of Management, "Boeing, Airbus incidents have travelers asking, is it still safe to fly?" The Hill (Jan. 22, 2024)

## Contents

## " Core

» Trends in Traffic, Fares, Operations and Financial Performance
» Initiatives to Improve Profitability
"Affordability, Competition and Access to Air Travel
» Reinvestment in People and Product
»Customer Satisfaction
"APPENDIX
"The airline industry has periods of fat profits, but those profits are notoriously fickle. And if they're expected to stay in business in down times, airlines can't be expected to sacrifice revenue generated when demand is high without trying to make it up elsewhere."

As Real Airfares Plunged Post-Deregulation, Trips Per Capita More Than Doubled Ancillary Services Included, 2023 Domestic Air Travel Was ~48\% Cheaper Than in 1979


[^0]As Air Travel Has Become Safer and More Accessible, More Americans Have Taken to the Skies Almost Nine in Ten Americans Have Flown Commercially; Half the Population Flew in 2023


Two-Thirds of Americans' Spending Now on Services—Up From Just Over Half in 1970 From 2019-2023, Spending on Air Travel Surged


[^1]In 2023, the Average U.S. Corporation Was Almost Four Times as Profitable as U.S. Airlines McDonald's Was Nine Times as Profitable as Airlines

Pre-Tax Profit Margin (\%) for Selected U.S. Companies and Industries


[^2]Even in Best Years, Airline Profitability Lags the U.S. Corporate Average
Pre-Tax Profit Margin (\%) Gap Widened in 2016-2018, But Narrowed in 2019

U.S. Airlines Achieved a Rare Feat in 2012-2019, Generating Economic Profits aka Value Added Before That Period, 1998 Was the Last Year in Which They Earned Their Cost of Capital
U.S. Passenger Airlines' Return on Invested Capital (\%) vs. Weighted Average Cost of Capital (\%)


Top-20 Corporate Travel Programs by Amount Spent on U.S.-Booked Air: 2022 vs. 2019


[^3]Federal Agency Spending on Air Travel Rebounded to \$3.16B in FY22 - 10\% Below FY19
Spending on Hotels Was Up 20\% From FY19 Levels, While Spending on Car Rentals Was Up 30\%
U.S. Government Travel Spending (\$ Billions) via GSA SmartPay


Source: U.S. General Services Administration (GSA) SmartPay ${ }^{\circledR}$ travel program

In Nominal Terms, Average Jet-Fuel Prices for U.S. Airlines Reached an All-Time High in 2022 The Inflation-Adjusted Peak Occurred in 2008

Average Systemwide Paid Price (\$) of Jet Fuel per Gallon: U.S. Passenger and Cargo Airlines


## For U.S. Airlines, the Price of Oil* Is a Significant Determinant of Capacity Growth

When Fuel Costs Decline and Finances Improve, Growth Accelerates


## In 1H 2024, U.S. Airports Will See an All-Time High Supply of Seats

Scheduled Passenger Flights Departing U.S. Airports Will Average 138 Seats


[^4]Collectively, Public Policy, Higher Costs (Labor/Fuel), Retirement of Small* Aircraft, Growth at Nearby Airports and Tight Pilot Supply Have Reduced Flying at the Smallest U.S. Airports

Average Daily Flights at U.S. Airports by FAA Hub Size Classification


[^5]* Per https://www.faa.gov/airports/planning capacity/passenger allcargo stats /, U.S. airports with less than $0.05 \%$ of annual passenger boardings

Sources: Cirium published schedules (Jan. 5, 2024) for all airlines providing scheduled passenger service from U.S. airports to all destinations

## Aircraft Exceeding 100 Seats Now Constitute 67\% of Domestic Scheduled Passenger Flights

 Among Regional Airline Domestic Flights, 69\% Exceed 50 Seats per Departure\% of Domestic U.S. Scheduled Passenger Airline Departures by Aircraft Size*


All U.S. Airlines Have Migrated to Larger (or Denser) Aircraft Domestically Global Network Carriers Tend to Have Fewer Seats per Domestic Flight, ULCCs the Most


Domestically, Network Carriers Have Up-Gauged Mainline and Regional Operations Delta and United Have Significantly Boosted the Share of Mainline Flying


[^6]Nonstop Domestic Service Is More Prevalent Than Ever Before
Share of Busiest Markets With a Nonstop Service Option Rose From 69\% in 1990 to 91\% in 2023

Share (\%) of Top 2000 Domestic O\&D Markets (Airport Pairs) With Nonstop Service*


Passengers per Day Each Way (PDEW) in \#1 and \#2000 Domestic O\&D Markets*

| Year | Market \#1 | PDEW | Market \#2000 | PDEW |
| :---: | :---: | :---: | :---: | :---: |
| 1990 | HNL-OGG | 3,266 | MEM-MKE | 32 |
| 2000 | HNL-OGG | 3,261 | HOU-IND | 51 |
| 2010 | JFK-LAX | 3,239 | ALB-DFW | 54 |
| 2019 | JFK-LAX | 4,292 | CLT-PWM | 70 |
| 2023 | JFK-LAX | 3,260 | JFK-RNO | 72 |

From 2000-2023, the Number of Competitors per Domestic Trip Rose From 3.33 to 3.47
In 2023, the 500 Busiest City Pairs—Accounting for $61 \%$ of Passengers—Averaged 3.8 Competitors
Made possible by 1) lack of entry barriers allowing rapid nationwide expansion of lower-cost carriers and 2) mergers of complementary networks enabling large network carriers to offer competitive connecting service on more city pairs and new nonstop service into markets they previously did not serve.

## Average Number of Competitors* in Domestic U.S. Markets (O\&D City Pairs)



Competition in Sample City Pairs: Airline Share of O\&D Passengers in 2023 vs. 2007 More Diversity of Business Models and Change in Distribution of Market Share*

| LA (BUR/LAX/LGB)-Seattle (PAE/SEA) |  |  |  |
| :--- | ---: | :--- | ---: |
|  | $\underline{\mathbf{2 0 0 7}}$ |  | $\underline{\mathbf{2 0 2 3}}$ |
| Alaska | 67.4 | Alaska | 58.6 |
| JetBlue | 15.1 | Delta | 23.0 |
| Southwest | 7.2 | United | 5.9 |
| American | 5.6 |  |  |


| Boston-Cleveland (CAK/CLE) |  |  |  |
| :--- | :--- | :--- | ---: |
|  | $\underline{\mathbf{2 0 0 7}}$ |  | $\underline{\mathbf{2 0 2 3}}$ |
| Continental | 62.6 | JetBlue | 50.3 |
| AirTran | 30.2 | Delta | 38.4 |
|  |  | American | 6.0 |
|  |  |  |  |


| Rochester, | NY-South Florida (FLL/MIA) |  |  |
| :--- | ---: | :--- | ---: |
|  | $\underline{\mathbf{2 0 0 7}}$ |  | $\underline{\mathbf{2 0 2 3}}$ |
| AirTran | 33.9 | Southwest | 35.3 |
| US Airways | 22.8 | American | 24.0 |
| Delta | 18.5 | Delta | 23.8 |
| JetBlue | 14.7 | United | 8.5 |
|  |  | JetBlue | 7.8 |


| Chicago (MDW/ORD)-Sacramento |  |  |  |
| :--- | ---: | :--- | ---: |
|  | $\underline{\mathbf{2 0 0 7}}$ |  | $\underline{\mathbf{2 0 2 3}}$ |
| United | $\mathbf{4 4 . 8}$ | United | 44.3 |
| Southwest | 41.9 | Southwest | 34.4 |
| US Airways | 5.1 | American | 14.8 |
|  |  |  |  |
|  |  |  |  |


| Memphis-Orlando (MCO/SFB) |  |  |  |
| :--- | ---: | :--- | ---: |
|  | $\underline{\mathbf{2 0 0 7}}$ |  | $\underline{\mathbf{2 0 2 3}}$ |
| Northwest | 60.1 | Southwest | 34.8 |
| AirTran | 21.6 | Spirit | 28.9 |
| Frontier | 9.8 | Allegiant | 11.1 |
| Delta | 5.7 | Delta | 10.4 |
|  |  | American | 8.7 |
|  |  | Frontier | 5.3 |


| Austin-Raleigh/Durham |  |  |  |
| :--- | ---: | :--- | ---: |
| American | $\underline{\mathbf{2 0 0 7}}$ | 62.1 | American |
| $\underline{\mathbf{2 0 2 3}}$ |  |  |  |
| Southwest | 19.0 | Southwest | 32.6 |
| Delta | 7.4 | Delta | 24.9 |
| Continental | 5.8 |  |  |
|  |  |  |  |

Global Network Carrier Share of Domestic Passengers Fell From 73\% in 2000 to 52\% in 2023 In 2023, Ultra Low-Cost Airlines Carried 14\% of Domestic O\&D Passengers

Share (\%) of U.S. Domestic O\&D Passengers by Airline Business Model


## Among U.S. Airline Brands, Lower-Cost Carriers Grew the Fastest From 2010 to 2023

Spirit Airlines Is Almost Seven Times as Large As It Was in 2010

Change (\%) in Systemwide Scheduled ASMs — 2010 to $2023 \sim 7 X$


Source: Cirium schedules (Jan. 5, 2024) for selected marketing airlines including merged/acquired predecessors

Lower-Cost U.S. Carriers Have Continued to Expand Their U.S. Footprint
Competitive Presence of Low-Cost and Ultra Low-Cost Carriers Continues to Expand

## Number of U.S. Airports Served in July



[^7]In 2023, Inflation-Adjusted Domestic Fares/Fees Fell ~7\% Below 2019 Levels From 2010-2023, the Real Price* of Domestic Air Travel—Including Ancillaries—Fell ~14\%

Round-Trip Ticket Price (in \$ 2023)*


## From 2019 to 2023, the Overall Consumer Prices Rose 28x Faster Than Airline Fares

Change in U.S. Consumer Price Index (CPI) - 2023 vs. 2019

U.S. Passenger Airlines Are Averaging the Largest Workforce Since 2001 Averaged 497K FTEs in 2023-49K More Than in 2019
U.S. Scheduled Passenger Airline Full-Time Equivalent Employees* (000s)


Source: Bureau of Transportation Statistics for scheduled U.S. passenger airlines

By Far, U.S. Passenger Airlines Allocate the Most Capital (~60\%) to the Workforce, Followed by Customers (Product Reinvestment), Creditors (Debt Reduction) and Equity Investors

Allocation of Capital to Major Stakeholders 2010-2019 (\$ Bils)


Allocation of Capital to Major Stakeholders
2020-2023P (\$ Bils)


## Average Compensation per Employee Has Reached All-Time High in 2023

## U.S. Passenger Airline Industry Employee Wages and Benefits



Firmer Financial Footing Has Enabled Airlines to Re-Invest in Their Employees
U.S. Airline Employee Wages and Benefits as a Share (\%) of Operating Revenues


[^8]From 2020-2023, U.S. Passenger Airlines Retired \$79B in Debt — \$19.7B Annually Returns to Shareholders Have Been Paltry in the Aftermath of the Pandemic

## Average Annual Retirement* of Long-Term Debt (\$ Bils)

19.7



## Average Annual Returns

 to Shareholders (\$ Bils)

In 2021-2023, Relative to Other U.S. Industries, Airlines Reinvested Far More Cash Into the Business (via "Capital Expenditures") Than They Spent on Shareholders ("Capital Returns")


## J.D. Power: "North American Airports Earn Higher Marks for Traveler Satisfaction" Latest Results Released Sept. 20, 2023

"It has not been an easy year for North American airports, but major capital improvements they've made over the last several years and new investments in getting food, beverage and retail operations back up and running at full capacity have helped them manage the crush of passengers." (Michael Taylor, J.D. Power)


Six factors* (in order of importance):

- Terminal Facilities
- Airport Arrival/Departure
- Baggage Claim
- Security Check
- Check-In / Baggage Check
- Food / Beverage / Retail

[^9]
## ACSI 2024 Airline Customer Satisfaction Index Reaches All-Time High

## Ease of Making Reservation, Mobile App Quality/Reliability, Ease of Check-In, Websites Rank Highest

"Airline customer satisfaction has climbed to new heights, reaching scores not seen even before the pandemic disrupted travel. Carriers have bounced back strongly, showing that innovations and service improvements implemented during the last two years have resonated with customers." (Forrest Morgeson, Director of Research Emeritus at the ACSI)



Note: ACSI ${ }^{\circledR}$ and its logo are Registered Marks of the University of Michigan; see https://theacsi.org/. Study commenced in 1994.


## J.D. Power: North America Airline Customer Satisfaction on Par With Pre-Pandemic Levels

 Composite Score Fell in Latest Survey (Conducted March 2022 Through March 2023)

[^10] Source: J.D. Power North America Airline Satisfaction StudySM

Denied Boardings and Customer Complaints
Grounding of B737 MAX Largely Responsible for Anomalous 2019 Increase in Denied Boardings

Involuntary Denied Boardings per 10K Pax*


DOT Customer Complaints per 100K Pax*



## After 9/11, Domestic Passengers Avoided Air Travel on Shorter Distances; Airlines Adjusted

 Their Networks Accordingly, Aided by Aircraft Advances, to Increase Average Seat DistanceChange (\%) in Domestic O\&D Passengers by Distance Band (Miles) — Pre-9/11* to 2023


Average Miles per Domestic Scheduled Seat


Air Passenger Volumes Between New York and Boston/Washington Have Fallen Sharply Since 2000, Due Largely to Changes in Security Requirements and Improved Alternatives to Flying

U.S. Airlines Have Continued to Move More People and Goods Over Longer Distances


Cargo Revenue Ton Miles (Billions)


Changes in the Price to Fly a Mile on U.S. Airlines Tend to Move in the Same Direction as Airline Costs But Rarely to the Same Magnitude, Requiring Fuller Planes to Shrink the Gap


Source: A4A Passenger Airline Cost Index

## In 2011-2019 and 2022, Average Load Factor Exceeded the Airlines' Breakeven Requirement



From 2017-2023, Medium-Sized U.S. Airports Generally Grew Faster Than Large U.S. Airports Austin, Nashville and Charleston (SC) Have Soared Above the Rest

Change (\%) in Systemwide Scheduled Seats: 2023 vs. 2017




Source: Cirium published schedules (Jan. 5, 2024) for all airlines providing scheduled service

## In the Deregulated Period, U.S. Passenger Airline "Earnings" Have Been Cyclical and Volatile

 Cumulative Net Profit for 1979-2022 = \$13 Billion (0.3 Percent of Revenues)

## As U.S. Airlines Generate Sufficient Cash from Operations, They Are Better Able to Fund

 Capital Improvements, Improve Customer Experience and Retain Investors


## Airlines for America ${ }^{\circ}$

We Connect the World


[^0]:    Source: Bureau of Economic Analysis, Bureau of Labor Statistics and Bureau of Transportation Statistics (Data Bank 1B) via Airline Data Inc. and T1 scheduled service for U.S. airlines)

[^1]:    Source: Bureau of Economic Analysis

[^2]:    Sources: Bureau of Economic Analysis and company SEC filings * Airlines = ALK/ALGT/AAL/DAL/ULCC/HA/JBLU/LUV/SAVE/UAL; Hotels = Choice/Hilton/Hyatt/Marriott/Wyndham; Rails = CSX/Norfolk Southern/Union Pacific

[^3]:    Source: Business Travel News ranking of corporate travel programs that spent the most on U.S.-booked air

[^4]:    Sources: Cirium published schedules (April 12, 2024) for all U.S. and non-U.S. airlines operating scheduled passenger service

[^5]:    Notes: FAA pilot qualification (1,500-hour) rule effective Jul-2013; pilot flight/duty/rest rule effective Jan-2014

[^6]:    Source: Cirium published schedules (Jan. 5, 2024)

[^7]:    Source: Cirium published schedules (April 12, 2024) for selected marketing airlines

[^8]:    Source: A4A Passenger Airline Cost Index and https://www.vox.com/new-money/2017/4/29/15471634/american-airlines-raise

[^9]:    * Concourses, lounges, signage, restrooms, gate areas

[^10]:    

