

# PREFACE

**THE PANDEMIC** gripped the world for the year's - 2020 and 2021 and despite the personal toll on individuals all over it affected some of the biggest industries and specific companies within them differently.

Due to this the goal of the project is to conduct a **macro analysis** on the - **Industries, Companies** that were adversely affected and their subsequent effects on their employees in terms of **headcount analysis**. But also to get insight on the industries and companies that not only survived but thrived during the Pandemic by studying their increasing profits during this period.

I hope you learn as I do the insights on this project and use it to make informed decisions in your respective companies

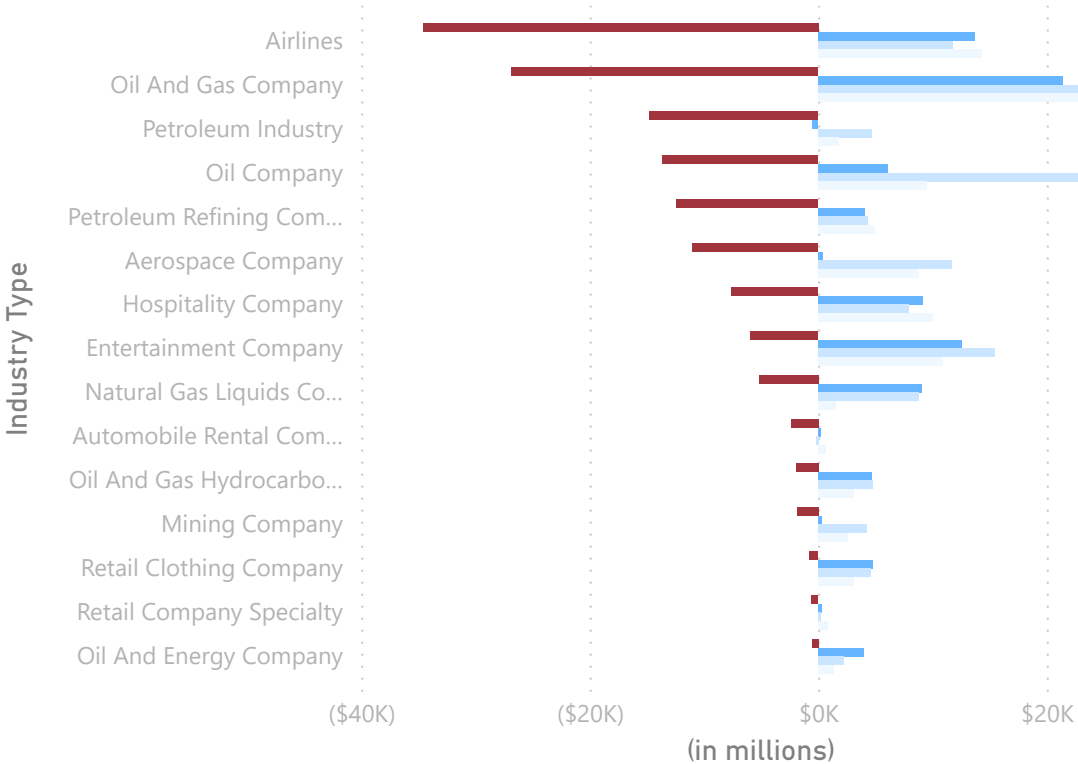
## SUMMARY OF THE PROJECT

- Visualization of the Industries that **suffered (left)** and **prospered (right)** - raw data in git hub - <https://github.com/adi1988>
- Visualization of the Individual Companies that **suffered (left)** and **prospered (right)**
- Donut chart for Profits from different industries of the US market for the years of 2020 and 2021 (compared with splicer)
- Headcount Change for the Companies that **suffered (left)** and **prospered (right)** during the Pandemic
- Headcount Change for the same Companies in a table form

# Industries that Suffered (Left) and Prospered (Right) During the Pandemic

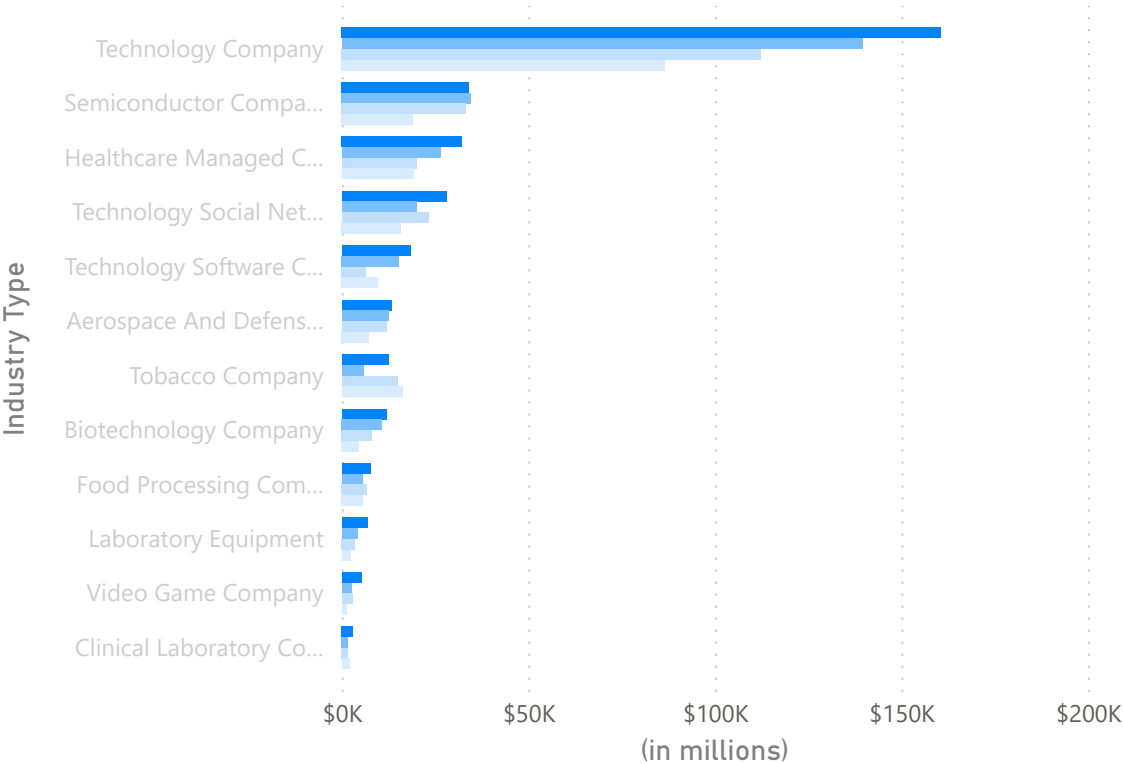
**353 %** decline in **Airline Companies** average Profits in 2021

Profits\_2021 Profits\_2020 Profits\_2019 Profits\_2018



**15.0 %** increase in **Technology Companies** average Profits in 2021

Profits\_2021 Profits\_2020 Profits\_2019 Profits\_2018



**\$1.33M**

Cumulative Profits Companies\_2020 (in millions)

**\$909.77K**

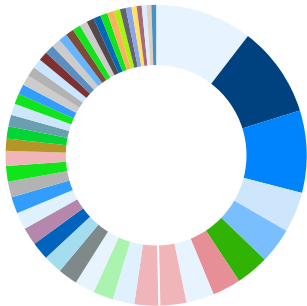
Cumulative Profits for Companies\_2021 (in millions)

**200**

Different Industry Types

Comparing Profits by Industry Type for the Years 2018 - 2021

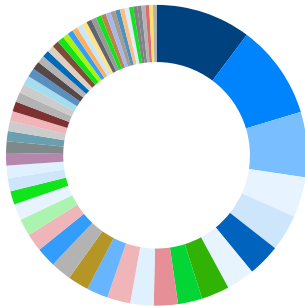
Profits by Industry Type\_2018 (\$ millions)



\$1.05M

Profits\_2018

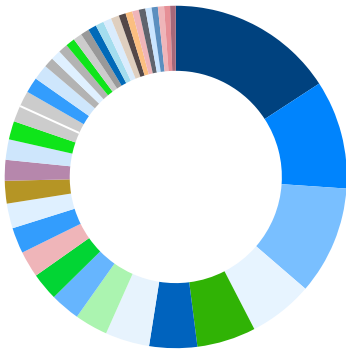
Profits by Industry Type\_2019 (\$ millions)



\$1.19M

Profits\_2019

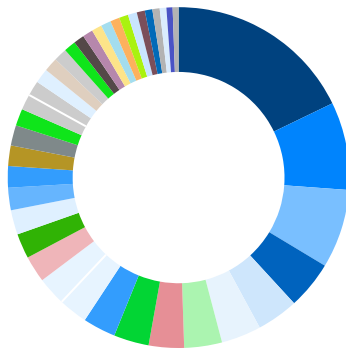
Profits by Industry Type\_2020 (\$million)



\$1.33M

Cumulative Profits for 2020 (in millions)

Profits by Industry Type\_2021 (\$millions)



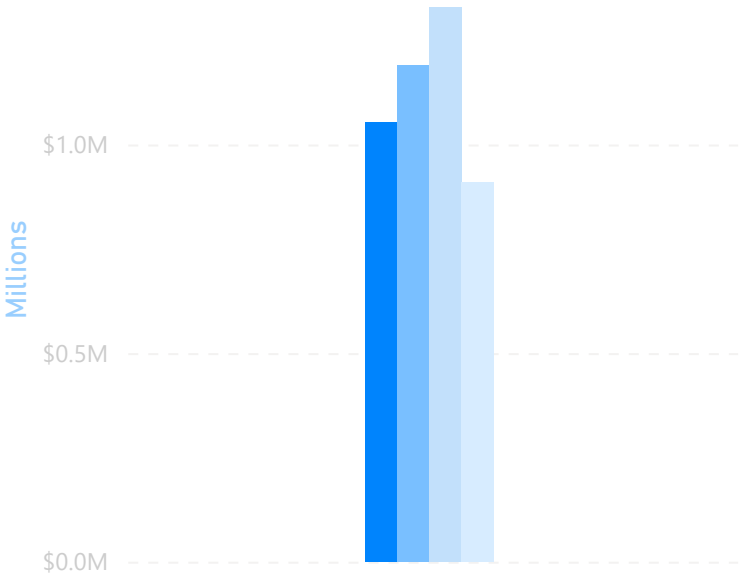
\$909.77K

Cumulative Profits for 2021 (in millions)

Industry Type

All

Cumulative Profits 2018-2021



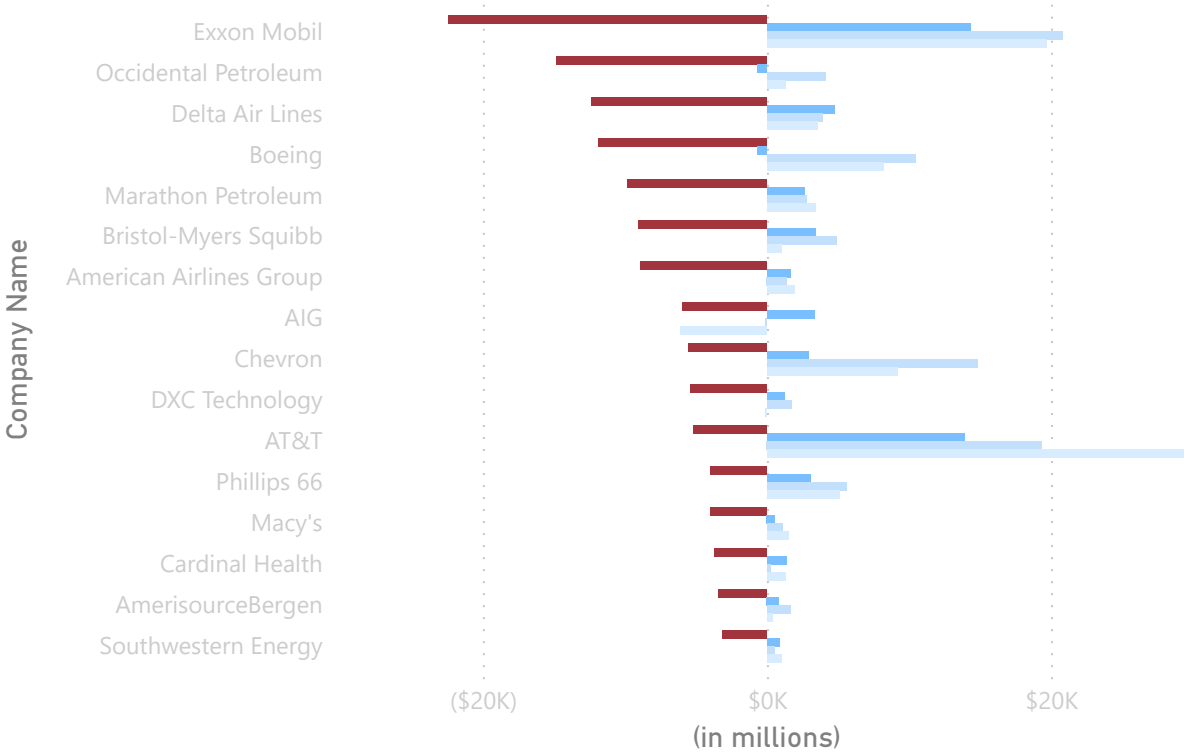
- Size of Technology Company has increased to 14.97% of total profit by industry in 2021 compared to 10.11% in 2020
- Airlines seen to have been dropped to 2021 Profits of <0% from prior 2020 profits of ~ 1% of profit percentage by industry

Individual Companies that **Suffered (Left)** and **Prospered (Right)** During the Pandemic

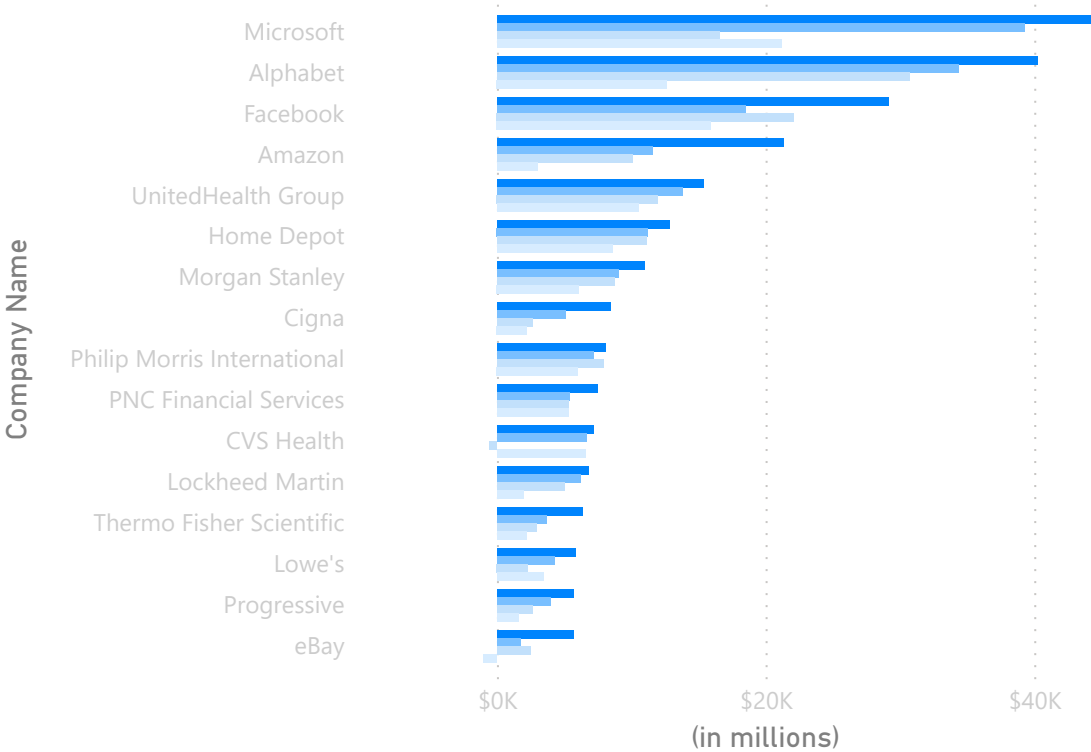
**256.5 %** decline in **Exxon Mobil** Profits in 2021

**12.8 %** increase in **Microsoft** Profits in 2021

Profits\_2021 Profits\_2020 Profits\_2019 Profits\_2018



Profits\_2021 Profits\_2020 Profits\_2019 Profits\_2018



**(\$22.44K)**

Min Profits for a Company\_2021 (in millions)

**\$57.41K**

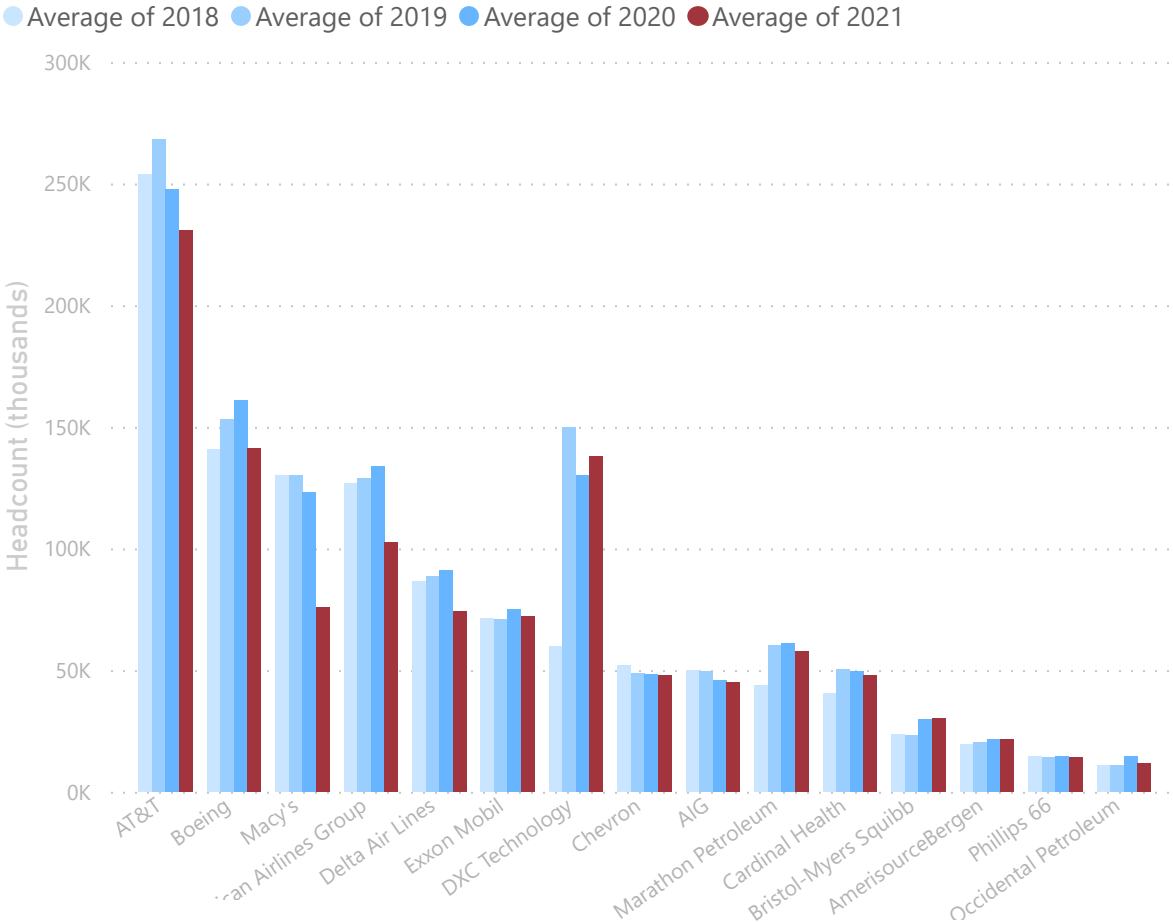
Max Profits for a Company\_2021 (in millions)

**820**

Number of Companies in List

Headcount of Companies that **Suffered (Left)** and **Prospered (Right)** During the Pandemic

Headcount 2018-2021



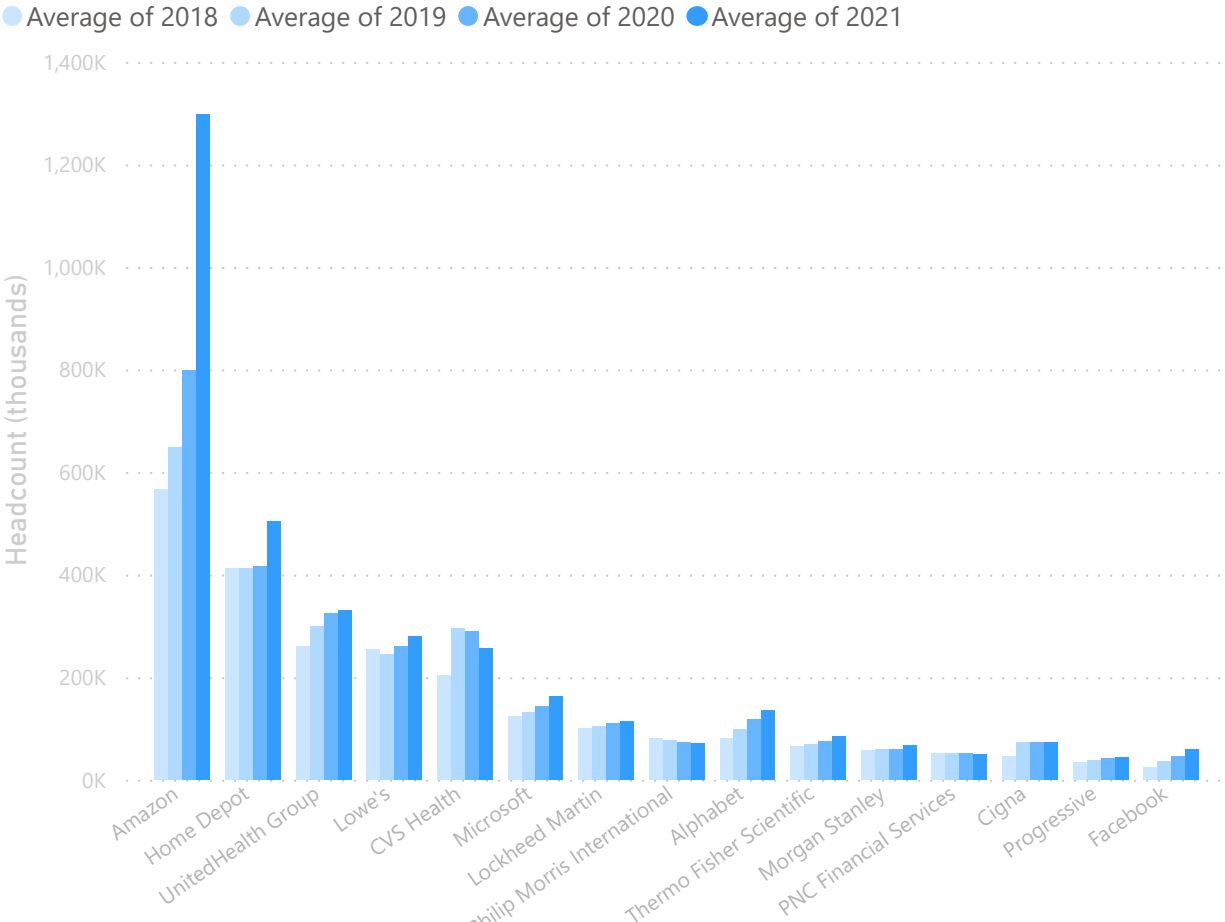
183  
Min Headcount for a C

218.00  
Min of 2021

2.20M  
Max of 2020

The company with headcount of 2.2 million increased by 100K to headcount of 2.3 million

Headcount 2018-2021



2.30M  
Max of 2021

32.48M  
Sum of 2020

32.45M  
Sum of 2021

The cumulative headcount of the 820 companies of the fortune 1000 dropped by 30K

## Headcount of Companies that **Suffered (Left)** and **Prospered (Right)** During the Pandemic (Table form)

Company Name	2018	2019	2020	2021
Occidental Petroleum	11,000.00	11,000.00	14,400.00	11,800.00
Phillips 66	14,600.00	14,200.00	14,500.00	14,300.00
AmerisourceBergen	19,500.00	20,500.00	21,500.00	21,500.00
Bristol-Myers Squibb	23,700.00	23,300.00	30,000.00	30,250.00
AIG	49,800.00	49,600.00	46,000.00	45,000.00
Chevron	51,900.00	48,600.00	48,200.00	47,736.00
Cardinal Health	40,400.00	50,200.00	49,500.00	48,000.00
Marathon Petroleum	43,800.00	60,350.00	60,910.00	57,900.00
Exxon Mobil	71,200.00	71,000.00	74,900.00	72,000.00
Delta Air Lines	86,564.00	88,680.00	91,224.00	74,000.00
Macy's	130,000.00	130,000.00	123,000.00	75,711.00
American Airlines Group	126,600.00	128,900.00	133,700.00	102,700.00
DXC Technology	60,000.00	150,000.00	130,000.00	138,000.00
Boeing	140,800.00	153,000.00	161,100.00	141,000.00
AT&T	254,000.00	268,220.00	247,800.00	230,760.00

Most companies recorded an increase in headcount in 2019 and some such as [Boeing](#), [American Airlines Group](#), [Delta Air Lines](#), [Marathon Petroleum](#), [Bristol Myers-Squibb](#), [Amerisource Bergen](#), [Phillips66](#) and [Occidental Petroleum](#) further on in 2020 too. However most companies with the exception of [DXC Technologies](#), [Bristol Myers Squibb](#) and [Amerisource Bergen](#) lost headcount in 2021

Company Name	2018	2019	2020	2021
Alphabet	80,110.00	98,771.00	118,899.00	135,301.00
Amazon	566,000.00	647,500.00	798,000.00	1,298,000.00
Cigna	46,000.00	73,800.00	73,700.00	72,963.00
CVS Health	203,000.00	295,000.00	290,000.00	256,500.00
Facebook	25,105.00	35,587.00	44,942.00	58,604.00
Home Depot	413,000.00	413,000.00	415,700.00	504,800.00
Lockheed Martin	100,000.00	105,000.00	110,000.00	114,000.00
Lowe's	255,000.00	245,000.00	260,000.00	280,000.00
Microsoft	124,000.00	131,000.00	144,000.00	163,000.00
Morgan Stanley	57,633.00	60,348.00	60,431.00	68,097.00
Philip Morris International	80,600.00	77,400.00	73,500.00	71,000.00
PNC Financial Services	51,632.00	51,996.00	50,968.00	50,403.00
Progressive	33,656.00	37,346.00	41,571.00	43,326.00
Thermo Fisher Scientific	66,100.00	69,200.00	75,000.00	84,362.00
UnitedHealth Group	260,000.00	300,000.00	325,000.00	330,000.00

Most of the Technology Companies such as [Facebook](#), [Microsoft](#), [Amazon](#), [Alphabet](#) kept increasing its headcounts by over 5-10% year on year despite the Pandemic causing other companies to fluctuate annual headcounts over 2018-2021