PHARMACEUTICAL INDUSTRY

The Cash Cows





INTRODUCTIONS



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AGENDA

- **INDUSTRY BACKGROUND**
- **BRISTOL MYERS**
- 02 **PFIZER COMPARISONS**
- 03 **OUR PICK MERCK**















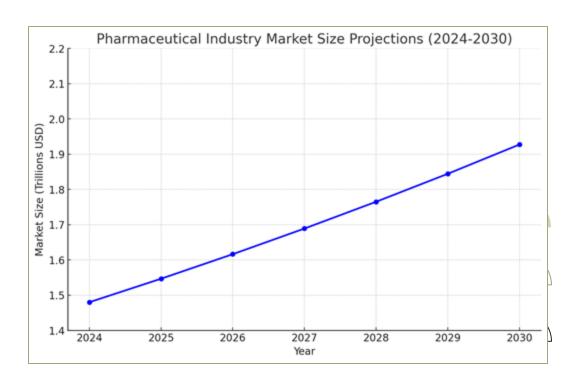
INDUSTRY BACKGROUND

Global Market Value - \$1.48
Trillion

By 2030 - \$1.92 Trillion

CAGR - 4.5 %







INDUSTRY BACKGROUND

Patent - a government authority or license conferring a right or title for a set period, especially the sole right to exclude others from making, using, or selling an invention.

Impact - grant exclusive rights to companies & allow them to recoup **R&D** investments and fund future research but can also lead to high drug prices and market monopolies impacting patients











INDUSTRY TRENDS

Al Integration

- Speeding up data analysis
- ➤ Efficiency in R&D and clinical trials



Expansion

- Gene and cell therapies
- Weight management



New Regulations

Medicare through the Inflation Reduction Act





STRENGTHS AND WEAKNESSES



Strengths

- **Life Saving Products**
- **Strict Regulations**
- **Economic Driver**



Weaknesses

- **High Costs and long** timelines
- **Dependance on Patents**
- > Public Perception

















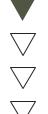












Ticker: PFE

Location: New York City

History: Founded in 1849 by Charles Pfizer

Market Cap: \$161.61B

Pfizer Inc. is a leading global pharmaceutical and biotechnology company focused on developing and delivering innovative medicines and vaccines. With a diverse portfolio that addresses various therapeutic areas, including oncology, immunology, and infectious diseases, Pfizer is committed to improving patient health worldwide.



R&D Investments

The percentage of revenue allocated for Research and Development can indicate potential growth, innovation, and long-term success.

Pfizer committed \$10.58B to R&D in 2023, about 13.5% of their revenue.

Recent Developments

Pfizer showcases significant scientific advancements in respiratory and infectious diseases.

US FDA approves multiple
Pfizer vaccines for treatments
regarding adults and
adolescents.





Stock Price: \$28.52

Pfizer's 52-week range is 25.20 - 31.24.

P/E Ratio: 38.03

The P/E ratio is above 30, showing high growth and earnings expectations.

PEG Ratio: 0.99

Pfizer's PEG Ratio indicates that the stock is fairly valued.

EBITDA: \$18.39B

Displays Pfizer's enormous operational efficiency and performance alongside financial health.

Profit Margin: 25.2%

The profit margin is markedly higher than Q2. Margins are boosted by patented products in this industry.

Q3 Revenue: \$17.73B

Illustrates how active the company is and aids in predicting future growth.

Top 10 Medicines and Vaccines

Take a look at our breakdown of the top medicines and vaccines by revenue from 2022.

\$37,806 million

(38% of total revenue) COMIRNATY**

\$18,933 million

(19% of total revenue)

PAXLOVID® (nirmatrelvir tablets and ritonavir tablets)

\$6,480 million

(6% of total revenue)

ELIQUIS® (apixaban)2

\$6,337 million (6% of total revenue)

PREVNAR* Family^a

\$5,120 million (5% of total revenue)

IBRANCE® (palbociclib)

\$2,447 million (2% of total revenue)

VYNDAQEL® Family⁴

\$1,796 million (2% of total revenue)

XELJANZ® (tofacitinib)

\$1,198 million (1% of total revenue)

XTANDI® (enzalutamide)5

\$1,003 million (1% of total revenue)

ENBREL® (etanercept)

\$1,003 million (1% of total revenue) INLYTA® (axitinib)

Top 10 Medicines and Vaccines account for

of total revenue

View the interactive graph on the <u>Annual Review site</u>.

















Ticker: MRK

Location: Rahway, NJ

History: Founded in 1668 in Germany

Market Cap: \$265.72B

Merck & Co., Inc. is a leading global healthcare company recognized for its innovative pharmaceuticals and vaccines, with a strong focus on oncology, vaccines, infectious diseases, and cardiovascular health. What sets Merck apart from other pharmaceutical companies is its commitment to extensive research and development, which is exemplified by its robust pipeline aimed at addressing unmet medical needs, along with a strong emphasis on sustainable practices and access to medicines.



Business Model

Heavy R&D investments in new drugs & vaccines - \$30.5B for 2023

Strategic partnerships with governments, universities, and other firms

Prioritize high-value special medications in oncology & immunizations to gain better demand and margins

Recent Developments

Developed Gardasil which protects against HPV

Formulated Keytruda, an immunotherapy drug that treats forms of cancer

Multiple R&D centers worldwide - Boston, Ireland, Singapore, etc.

100 + R&D Programs





Stock Price: \$104.3

Pfizer's 52-week range is 99.80 - 134.63.

P/E Ratio: 19.2

The P/E ratio is low, showing that it could be undervalued.

PEG Ratio: 1.55

Merck's PEG Ratio indicates that the stock valuation is aligned closely with its growth prospects.

EBITDA: \$20.1B

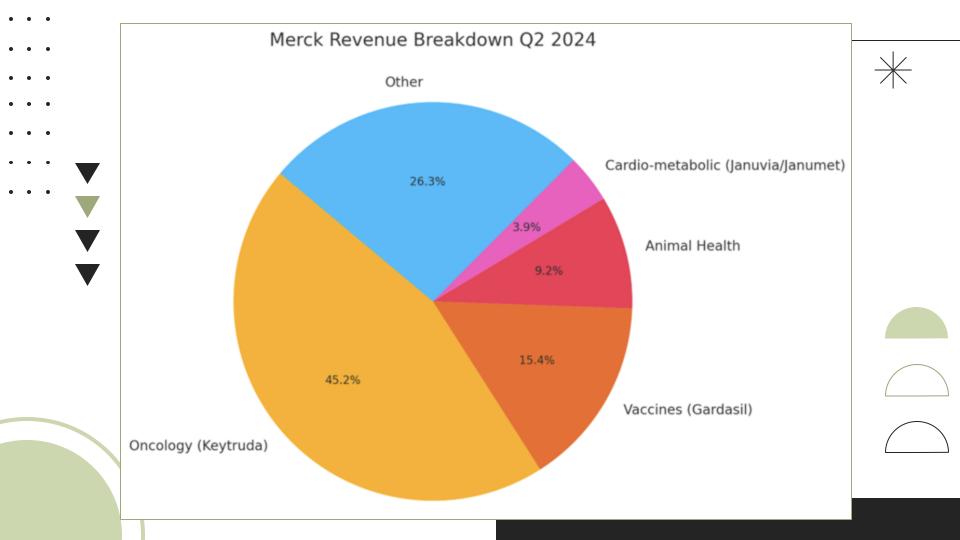
Strong growth from consistent focus on high margin products and strategic R&D investments.

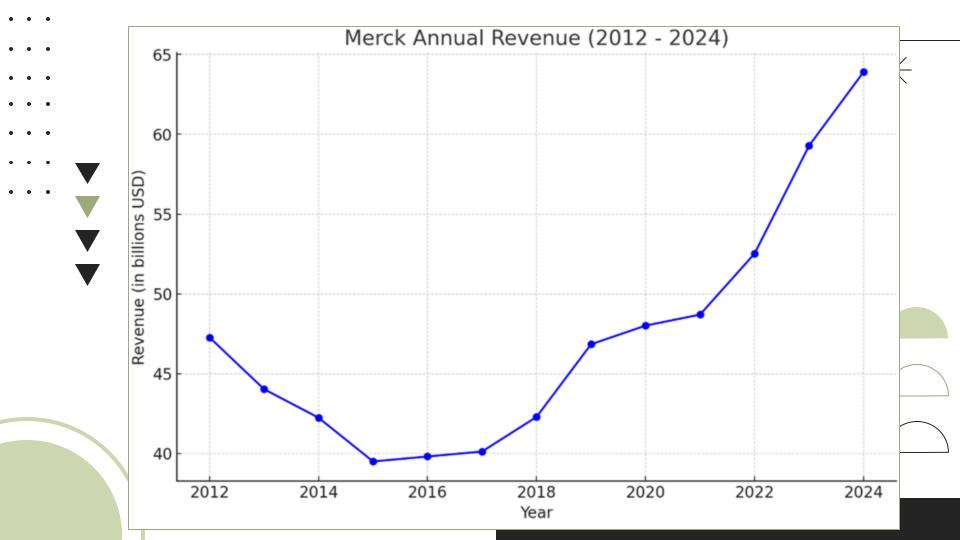
Profit Margin: 18.9%

Solid return on its revenue base. It reflects Merck's strong product mix such as Oncology and Vaccines.

Q3 Revenue: \$16.7B

4% growth from previous year driven by strong sales from Keytruda and Gardasil.



















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Ticker: BMY

Location: New Jersey

History: Founded in 1989 from merger

Market Cap: \$106.76B

Bristol Myers Squibb (BMS) is a global biopharmaceutical company dedicated to discovering, developing, and delivering innovative medicines that address serious diseases, with a strong focus on oncology, immunology, and cardiovascular health. What sets BMS apart from its competitors is its commitment to cutting-edge research and strategic acquisitions, such as the purchase of Celgene, which significantly expanded its oncology portfolio and reinforced its leadership in the pharmaceutical industry.



Business Model

Emphasis on R&D for new medical treatments - \$10B

Partnerships with other pharma and medical companies

Focus on cardiovascular disease, oncology, and immunology

Recent Developments

Currently developing and testing 51 new compounds

Studying over 40+ diseases to discover new treatments

R&D and manufacturing facilities around the world





Stock Price: \$52.66

BMS' 52-week range is 39.35 - 55.04

PEG Ratio: 1.57

BMS' PEG Ratio indicates that the stock is overvalued

Profit Margin: -14.06%

The profit margin is negative, indicating more spending on R&D

P/E Ratio: 12.66

The P/E ratio is low, showing low earnings expectations

EBITDA: \$29.93B

Shows the scale of Bristol Myers R&D and products

Q3 Revenue: \$11.9B

Up 8% from Q2 through increased demand in Eliquis

Growth Portfolio						
Opdivo	\$ 1,366	\$ 994	\$ 2,360			
Orencia	706	230	936	Legacy Portfolio		
Yervoy	399	243	642	Eliquis	2,045	957
Reblozyl	358	89	447	Revlimid	1,212	200
Opdualag	216	17	233	Pomalyst/Imnovid	697	201
Abecma	77	47	124	Sprycel	225	65
Zeposia	105	42	147			
Breyanzi	173	51	224		151	102
Camzyos	135	21	156	Other Legacy Products ^(b)	102	123
Sotyktu	51	15	66	Total Legacy Portfolio	4,432	1,648
Augtyro	10	_	10	Total Revenues	\$ 8,232	\$ 3,660 \$
Krazati	32	. 2	34			

433

5,812

290

253

6,080

11,892

WW (d)

Int'l ^(c)

261

2,012

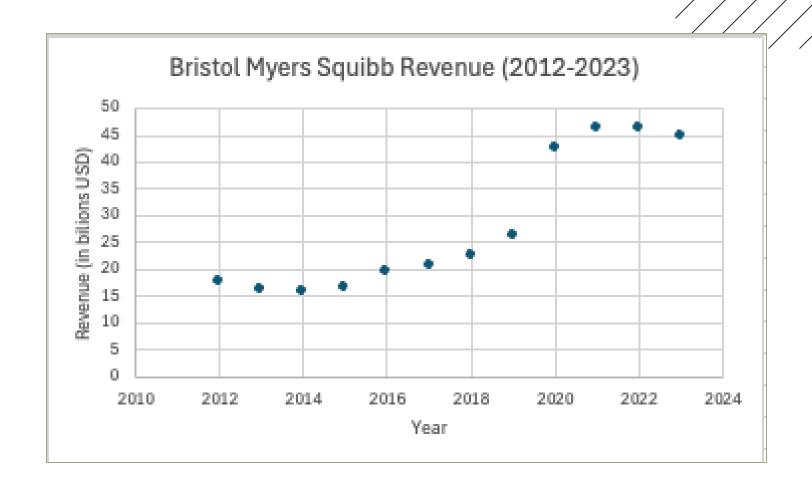
172

3,800

U.S.

Other Growth Products (a)

Total Growth Portfolio





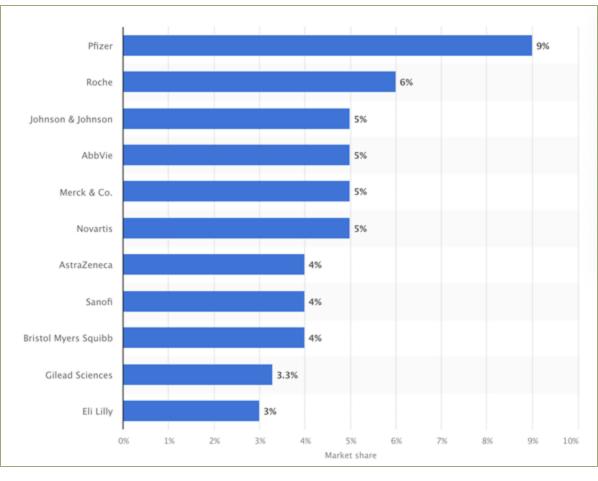


05 COMPARISONS









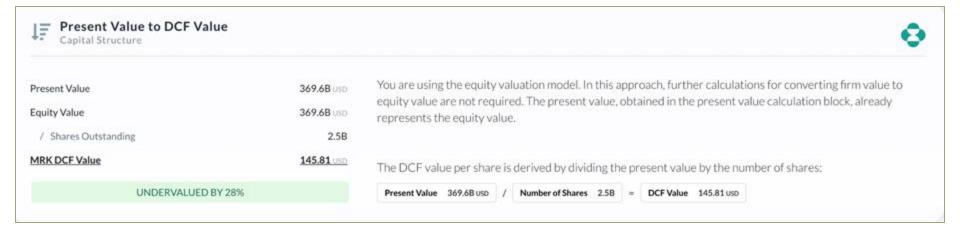
MARKET SHARE

	PFE	MRK	ВМҮ
Market Value	161.61B	265.72B	106.76B
P/E Ratio	38.03	19.41	12.66
Revenue Growth YoY	2.13%	7.16%	8.69%
Gross Profit	31.65B	47.02B	35.06B
Free Cash Flow (FCF)	4.81B	13.15B	12.95B
Profit Margin	-4.70%	18.9%	-14.06%
Return on Assets	-1.19%	12.65%	-6.95%

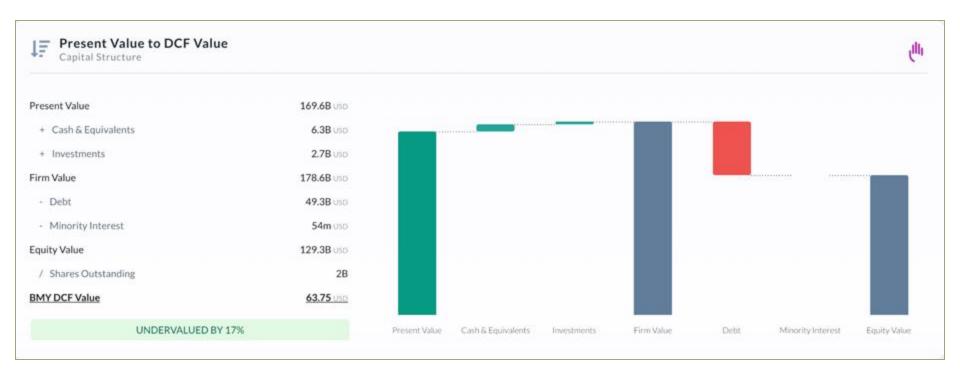








H Bristol Myers Squibb™

















Pfizer - 2nd Place

Merck - 1st Place



Bristol Myers - 3rd Place

Thanks! Any Questions?

The Cash Cows



