

Inogen Inc. (INGN)

\$29.14 (As of 10/19/20)

Price Target (6-12 Months): **\$31.00**

Long Term: 6-12 Months

Zacks Recommendation:

Neutral

(Since: 03/10/20)

Prior Recommendation: Underperform

Short Term: 1-3 Months

Zacks Rank: (1-5)

3-Hold

Zacks Style Scores:

VGM:B

Value: B

Growth: C

Momentum: A

Summary

Inogen expects the business-to-business arm to be a strong contributor to revenues in 2020, thanks to the Tidal Assist Ventilator. The company's liquidity position is stable. Inogen ended the second quarter on a mixed note with earnings beating but revenues missing estimates. The company saw growth in revenues within its Rental segment. An increase in patient interest in the company's products was observed sequentially in May and June. However, it reported a decline in business-to-business international and domestic revenues in the quarter under review. Also, drop in direct-to-consumer revenues during the quarter is concerning. Sales segment revenues fell during the second quarter as well. The significant contraction in gross margin and operating loss adds to the woes. The stock has underperformed its industry over the past year.

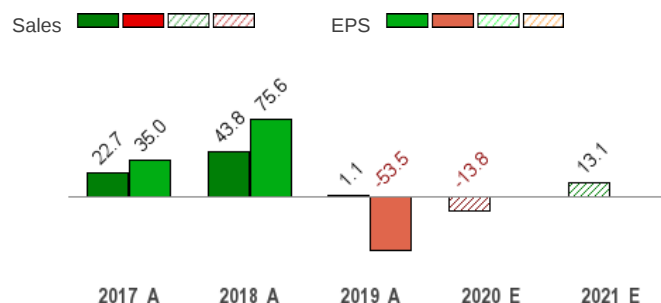
Price, Consensus & Surprise



Data Overview

52-Week High-Low	\$76.89 - \$26.57
20-Day Average Volume (Shares)	167,243
Market Cap	\$643.0 M
Year-To-Date Price Change	-57.4%
Beta	0.79
Dividend / Dividend Yield	\$0.00 / 0.0%
Industry	Medical - Instruments
Zacks Industry Rank	Bottom 32% (173 out of 254)

Sales and EPS Growth Rates (Y/Y %)



Last EPS Surprise	250.0%
Last Sales Surprise	-10.1%
EPS F1 Estimate 4-Week Change	0.0%
Expected Report Date	11/04/2020
Earnings ESP	0.0%
P/E TTM	67.8
P/E F1	NA
PEG F1	NA
P/S TTM	1.9

Sales Estimates (millions of \$)

	Q1	Q2	Q3	Q4	Annual*
2021	84 E	93 E	88 E	96 E	353 E
2020	88 A	72 A	75 E	76 E	312 E
2019	90 A	101 A	92 A	79 A	362 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021	-\$0.06 E	\$0.09 E	\$0.10 E	\$0.06 E	\$0.18 E
2020	-\$0.07 A	\$0.12 A	-\$0.02 E	-\$0.10 E	-\$0.08 E
2019	\$0.24 A	\$0.45 A	\$0.31 A	\$0.07 A	\$1.07 A

*Quarterly figures may not add up to annual.

The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 10/19/2020. The reports text is as of 10/20/2020.

Overview

Goleta, CA-based Inogen Inc. develops, manufactures and markets portable oxygen concentrators (POC). POCs are used by patients who suffer from chronic respiratory conditions and need long-term oxygen therapy. POCs concentrate the air around the patient, filter out the nitrogen and other unwanted substances and deliver oxygen.

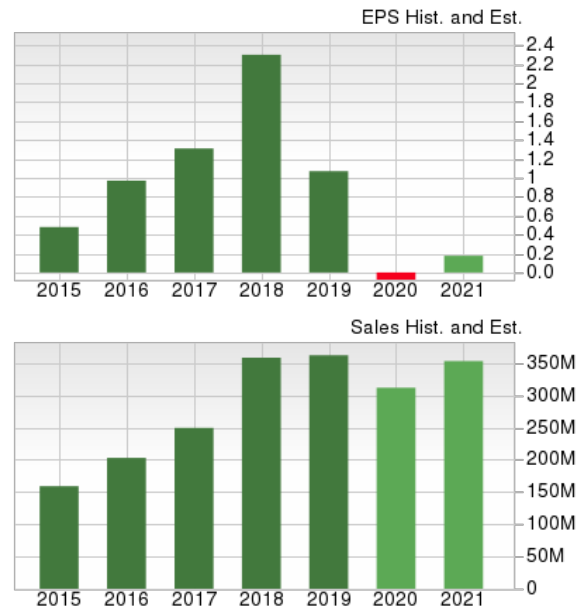
Inogen's flagship portable devices Inogen One G3 and G2 weigh approximately 4.8 and 7.0 pounds and have up to 4.5 and 5 hours of battery life, respectively. Being portable, these devices can be charged anywhere. Inogen began to follow a Direct-to-Consumer strategy post its acquisition of Comfort Life Medical Supply, LLC in 2009.

Inogen's expanding product portfolio is a key catalyst. The company provides oxygen concentrator solutions for portable and stationary use. Inogen's flagship product, One G4 is a single-solution portable oxygen concentrator (POC). Recently, the company launched the Inogen One G5 in the domestic business-to-business arm. Management also confirmed Inogen's plan of incorporating the Tidal Assist Ventilator directly into the Inogen One Portable Oxygen Concentrators and making the SideKick TAV product compatible with the Inogen At-Home Stationary Concentrator.

2019 at a Glance

Revenues were \$361.9 million in 2019, rising 1.1%.

Revenues at the Sales segment amounted to \$340.5 million (94.1% of net sales), while Rental revenues were \$21.4 million (5.9%).



Source: Zacks Investment Research

Reasons To Buy:

- ▲ **Unique Direct-to-Customer Business Model:** Direct-to-consumer revenues fell 30.9% year over year in the second quarter of 2020. Sales were affected by the COVID-19 public health emergency (PHE) due to the lack of mobility from government mandated stay-at-home initiatives and economic uncertainty.

Despite a soft show in the second quarter of 2020, Inogen's direct-to-customer business model has lent it a leading position in the oxygen therapy market. In fact, management expects direct-to-consumer to be its fastest growing channel in 2020. The model gives companies an opportunity to build a unique brand-relationship, directly with customers. The company has recently signed a lease for its expansion site in Ohio to accelerate growth in domestic direct-to-consumer sales channel. The growing direct-to-customer sales and marketing efforts help in increasing awareness among patients. Growth in physician referrals in this segment is also expected to boost the top line over the long term.

An expanding LTOT market, inherent benefits of POCs over traditional delivery model, direct-to-customer business model, underpenetrated international markets and expanding product portfolio are key growth catalysts.

- ▲ **Europe in Focus:** Inogen is optimistic about revenue generation in Europe from the first half of 2020. The company expects tender activity to improve in the region and its partners to continue to adopt portable oxygen concentrators. In fact, management expects to see a large long-term opportunity ahead, courtesy of the market transitions from tank and liquid oxygen systems to non-delivery solutions.

Further, in support of its European customers, Inogen began the production of its Inogen One G3 concentrators last year using a contract manufacturer, Foxconn, located in the Czech Republic. Inogen also expects Foxconn to produce the vast majority of the Inogen One G3 concentrators required to support the European demand. Also, Inogen plans to start manufacturing the recently-launched Inogen One G5 in Czech Republic in the first half of 2020 for European customers.

However, in the second quarter, internationally, business-to-business revenues declined 38.5% year over year and 37.4% at constant currency. Per management, the decline was primarily led by temporary shutdown of certain European respiratory assessment centers due to the COVID-19 pandemic and continued tender delays in few European markets.

- ▲ **Product Portfolio Solid:** Inogen's expanding product portfolio is a key catalyst. The company provides oxygen concentrator solutions for portable and stationary use. Inogen's flagship product, One G4 is a single-solution portable oxygen concentrator (POC). Recently, the company launched the Inogen One G5 in the domestic business-to-business arm. In fact, the company applied for CE marking for the Inogen One G5 and has begun shipments to international customers.

Apart from this, Inogen One G3 portable oxygen concentrator brings mobility and independence to oxygen therapy users. Inogen At Home is aptly formulated for patients who need oxygen therapy during sleep. In recent times, Inogen officially launched the Inogen One G5 in its direct-to-consumer channel.

The 5.7% increase in domestic business-to-business sales during the year was primarily led by increased demand from its home medical equipment provider partners for oxygen concentrators in response to the COVID-19 PHE. The company returned to normal production levels of the Inogen One G5 midway through the first quarter of 2020. In the first quarter, the company witnessed an increase in product sales mix toward Inogen One G5, which remained higher priced than Inogen One G3.

Management also confirmed Inogen's plan of incorporating the Tidal Assist Ventilator directly into the Inogen One Portable Oxygen Concentrators and making the SideKick TAV product compatible with the Inogen At-Home Stationary Concentrator. An increase in patient interest in the company's products was observed sequentially in May and June

- ▲ **High Prospects in the POC Space & LTOT Market:** Portable Oxygen Concentrator or POCs solve most of the problems and limitations associated with conventional oxygen therapy (known as delivery model) that involves stationary oxygen concentrator systems for use in the home and oxygen tanks or cylinders for mobile use. POCs provide unlimited oxygen supply anywhere, thereby enhancing patient independence and mobility.

However, in the second quarter, business-to-business revenues in the United States declined 27.3% on a year-over-year basis. Per management, the decline was primarily owing to reduced demand from home medical equipment providers and resellers of portable oxygen concentrators (POC).

Moreover, POCs are less costly in comparison to traditional therapies as these systems do not require physical infrastructure and also because of the service intensity of the delivery model. We believe that the inherent benefits of Inogen One systems against the delivery model will help the company penetrate the Long-term Oxygen Therapy (LTOT) market much faster than its competitors. Long-term Oxygen Therapy (LTOT) increases survival and improves the quality of life for hypoxemic (a condition in which patients have insufficient oxygen in the blood) patients with chronic obstructive pulmonary disease (COPD).

- ▲ **Stable Liquidity Position:** Inogen is well capitalized with cash and cash equivalents, as of Jun 30, 2020, amounting to \$219 million, up from \$208 million in the preceding quarter. Meanwhile, the company's long-term debt came in at \$9 million, flat sequentially. Moreover, the company's current debt level was \$2 million, also flat on a sequential basis. We can see here that both the long-term and the current debt levels are considerably lower than the cash and cash equivalent level, indicating strong solvency. This is good news in terms of the company's solvency level as, at least during the year of uncertainty, the company has sufficient cash with no outstanding debt. Also, in the second quarter, the company's debt-to-capital ratio was 2.9%, compared with 33.6% of the industry.

Reasons To Sell:

- ▼ **Shares Lack Luster:** Over the past year, shares of Inogen have plunged 41.2% against the industry's 27.4% rise. Direct-to-consumer revenues fell 30.9% year over year in the second quarter. Also business-to-business revenues fell both domestically and internationally. Foreign exchange woes also plague the company. Additionally, owing to the coronavirus pandemic, the stock price has been largely affected.
- ▼ **Q2 Debacle:** In the second quarter of 2020, Inogen saw a 29.1% drop in total revenues, mainly due to the impact of the COVID-19 pandemic. The company saw softness in segmental revenues. Revenues at the Sales segment fell 31.6% on a year-over-year basis.
- ▼ **Headwinds Regarding POC Adoption:** In the LTOT market, POC adoption continues to face significant headwinds. This is primarily due to the lack of awareness among consumers about the benefits of POC devices, higher upfront cost of these devices as compared to traditional delivery model and reluctance of home equipment medical providers to support POC adoption. Lack of awareness ensures higher cost related to sales & marketing that can impact profits. We believe that these headwinds related to POC adoption are major concerns that can hurt Inogen's growth prospects over the long haul.
- ▼ **Forex Woes:** Inogen generates a significant portion of its revenues from the International market. Management expects international revenues to remain lumpy owing to the timing and size of the distributor. We also expect adverse foreign currency exchange rates to impede revenue growth in the near term owing to the strengthening of the U.S. dollar as against the Euro and other foreign currencies.

Low POC adoption, intensifying competition, reimbursement cuts and foreign exchange headwinds are major concerns. Declining rental revenues also adds to our woes.

Last Earnings Report

Inogen's Q2 Earnings Beat Estimates, Revenues Miss

Inogen, Inc. reported second-quarter 2020 earnings per share of 12 cents against the Zacks Consensus Estimate of a loss of 8 cents. However, the bottom line fell 73.3% from year-ago quarter.

Revenues of this company came in at \$71.7 million, which missed the Zacks Consensus Estimate by 10.1%. On a year-over-year basis, the top line dropped 29.1% mainly due to the impact of the COVID-19 pandemic.

Quarter Ending 06/2020

Report Date	Aug 04, 2020
Sales Surprise	-10.08%
EPS Surprise	250.00%
Quarterly EPS	0.12
Annual EPS (TTM)	0.43

Segmental Details

Revenues at the Sales segment amounted to \$65.6 million in the quarter under review, down 31.6% on a year-over-year basis.

Rental revenues grossed \$6.1 million, up 16.9% from the year-ago period.

Revenues by Region & Category

Business-to-business revenues in the United States amounted to \$21.6 million, down 27.3% on a year-over-year basis. Per management, the decline was primarily owing to reduced demand from home medical equipment providers and resellers of portable oxygen concentrators.

Internationally, this segment recorded revenues of \$13.9 million, down 38.5% year over year and 37.4% at constant currency. Per management, the decline was primarily led by temporary shutdown of certain European respiratory assessment centers due to the COVID-19 pandemic and continued tender delays in few European markets.

Direct-to-consumer revenues fell 30.9% year over year to \$30.2 million in the quarter. Sales were adversely impacted by the COVID-19 public health emergency (PHE) due to the lack of mobility from government mandated stay-at-home initiatives and economic uncertainty.

Margins

In the second quarter, gross profit was \$32.7 million, down 34.8% year over year. Gross margin came in at 45.7%, down a significant 400 basis points (bps).

Loss from operations in the quarter was \$2.4 million against the year-ago quarter's operating profit of \$12.1 million.

Guidance

Due to the uncertainty around the impact and scope of the COVID-19 pandemic on its business, the company has not issued any quarterly or full-year guidance.

Valuation

Inogen's shares are down 57.4% and 41.2% in the year-to-date and trailing 12-month periods, respectively. Stocks in the Zacks sub-industry and Zacks Medical Market are up 21.3% and 0.1% in the year-to-date period, respectively. Over the past year, the Zacks sub-industry and sector are up 27.4% and 10.9%, respectively.

The S&P 500 index is up 8.2% in the year-to-date period and 16.2% the past year.

The stock is currently trading at 1.9X Forward 12-months sales, which compares to 4.6X for the Zacks sub-industry, 2.8X for the Zacks sector and 4.2X for the S&P 500 index.

Over the past five years, the stock has traded as high as 14.9X and as low as 1.8X, with a 5-year median of 5.3X.

Our Neutral recommendation indicates that the stock will perform in line with the market. Our \$31 price target reflects 1.9X forward 12-months sales.

The table below shows summary valuation data for INGN.

Valuation Multiples - INGN					
		Stock	Sub-Industry	Sector	S&P 500
P/S F12M	Current	1.87	4.61	2.79	4.16
	5-Year High	14.9	4.61	3.26	4.31
	5-Year Low	1.75	2.54	2.24	3.18
	5-Year Median	5.31	3.22	2.86	3.67
P/B TTM	Current	1.83	4.73	3.85	6.05
	5-Year High	22.49	4.83	5.08	6.2
	5-Year Low	1.7	2.75	2.96	3.75
	5-Year Median	7.26	3.94	4.3	4.89

As of 10/19/2020

Source: Zacks Investment Research

Industry Analysis Zacks Industry Rank: Bottom 32% (173 out of 254)



Top Peers

Company (Ticker)	Rec	Rank
AngioDynamics, Inc. (ANGO)	Outperform	1
Accuray Incorporated (ARAY)	Neutral	3
Integra LifeSciences Holdings Corporation (IART)	Neutral	2
Luminex Corporation (LMNX)	Neutral	3
Nevro Corp. (NVRO)	Neutral	3
ORTHOFIX MEDICAL INC. (OFIX)	Neutral	3
Tandem Diabetes Care, Inc. (TNDM)	Neutral	3
T2 Biosystems, Inc. (TTOO)	Neutral	3

The positions listed should not be deemed a recommendation to buy, hold or sell.

Industry Comparison Industry: Medical - Instruments				Industry Peers		
	INGN	X Industry	S&P 500	ANGO	LMNX	TNDM
Zacks Recommendation (Long Term)	Neutral	-	-	Outperform	Neutral	Neutral
Zacks Rank (Short Term)	3	-	-	1	3	3
VGM Score	B	-	-	F	A	C
Market Cap	643.01 M	154.67 M	23.41 B	426.97 M	988.00 M	7.20 B
# of Analysts	5	2	14	2	4	6
Dividend Yield	0.00%	0.00%	1.62%	0.00%	1.69%	0.00%
Value Score	B	-	-	F	C	D
Cash/Price	0.32	0.13	0.07	0.11	0.29	0.06
EV/EBITDA	11.14	-1.18	13.44	-2.92	47.00	-366.41
PEG F1	NA	3.95	2.81	NA	NA	NA
P/B	1.83	3.77	3.48	0.94	1.94	26.89
P/CF	17.01	23.82	13.20	15.48	49.86	NA
P/E F1	NA	59.89	22.11	1,125.00	26.31	NA
P/S TTM	1.94	4.89	2.64	1.59	2.68	17.55
Earnings Yield	-0.27%	-3.01%	4.45%	0.09%	3.80%	-0.44%
Debt/Equity	0.00	0.07	0.70	0.09	0.39	0.73
Cash Flow (\$/share)	1.71	-0.13	6.93	0.73	0.43	-0.13
Growth Score	C	-	-	F	A	A
Historical EPS Growth (3-5 Years)	19.11%	8.93%	10.39%	-23.34%	-26.00%	NA
Projected EPS Growth (F1/F0)	-107.10%	7.44%	-2.93%	-88.89%	485.71%	-23.81%
Current Cash Flow Growth	-40.33%	6.40%	5.49%	-52.40%	-57.32%	-93.28%
Historical Cash Flow Growth (3-5 Years)	15.10%	10.34%	8.50%	-13.80%	-15.21%	13.65%
Current Ratio	5.98	3.18	1.35	3.57	7.25	4.72
Debt/Capital	0.00%	13.64%	42.91%	8.08%	28.19%	42.19%
Net Margin	1.96%	-20.69%	10.28%	-62.90%	3.04%	-10.29%
Return on Equity	2.68%	-20.64%	14.79%	0.18%	2.38%	-12.88%
Sales/Assets	0.73	0.52	0.51	0.41	0.62	1.04
Projected Sales Growth (F1/F0)	-13.91%	0.00%	-0.53%	6.39%	26.10%	27.16%
Momentum Score	A	-	-	C	B	D
Daily Price Change	-4.65%	-0.11%	-1.38%	-2.13%	-2.78%	-0.45%
1-Week Price Change	-1.58%	0.00%	0.02%	-1.08%	-9.79%	2.79%
4-Week Price Change	2.21%	2.76%	4.94%	13.41%	-16.82%	12.24%
12-Week Price Change	-5.97%	-1.16%	4.68%	27.84%	-42.68%	18.55%
52-Week Price Change	-41.16%	0.00%	2.67%	-23.57%	6.07%	86.36%
20-Day Average Volume (Shares)	167,243	168,161	1,946,784	404,080	608,364	635,423
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	0.00%	0.00%	0.08%	109.52%	0.00%	0.00%
EPS F1 Estimate 12-Week Change	-2.70%	8.45%	3.36%	109.52%	367.31%	41.55%
EPS Q1 Estimate Monthly Change	0.00%	0.00%	0.00%	42.86%	0.00%	0.00%

Source: Zacks Investment Research

Zacks Stock Rating System

We offer two rating systems that take into account investors' holding horizons: Zacks Rank and Zacks Recommendation. Each provides valuable insights into the future profitability of the stock and can be used separately or in combination with each other depending on your investment style.

Zacks Recommendation

The Zacks Recommendation aims to predict performance over the next 6 to 12 months. The foundation for the quantitatively determined Zacks Recommendation is trends in the company's estimate revisions and earnings outlook. The Zacks Recommendation is broken down into 3 Levels; Outperform, Neutral and Underperform. Unlike many Wall Street firms, we maintain a balance between the number of Outperform and Neutral recommendations. Our team of 70 analysts are fully versed in the benefits of earnings estimate revisions and how that is harnessed through the Zacks quantitative rating system. But we have given our analysts the ability to override the Zacks Recommendation for the 1200 stocks that they follow. The reason for the analyst over-rides is that there are often factors such as valuation, industry conditions and management effectiveness that a trained investment professional can spot better than a quantitative model.

Zacks Rank

The Zacks Rank is our short-term rating system that is most effective over the one- to three-month holding horizon. The underlying driver for the quantitatively-determined Zacks Rank is the same as the Zacks Recommendation, and reflects trends in earnings estimate revisions.

Zacks Style Scores

The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.

Value Score	B
Growth Score	C
Momentum Score	A
VGM Score	B

As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

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Returns quoted represent past performance which is no guarantee of future results. Investment returns and principal value will fluctuate so that when shares are redeemed, they may be worth more or less than their original cost. Current performance may be higher or lower than the performance shown.

Investing involves risk; principal loss is possible. There is no guarantee that companies that can issue dividends will declare, continue to pay or increase dividends.

Glossary of Terms and Definitions

52-Week High-Low: The range of the highest and lowest prices at which a stock has traded during the past year. This range is determined based on the stock's daily closing price which may differ from the intra-day high or low. Many investors use it as a technical indicator to determine a stock's current value and future price movement. The idea here is that if price breaks out from the 52-week range, in either direction, the momentum may continue in the same direction.

20-Day Average Volume (Shares): The average number of shares of a company traded in a day over the last 20 days. It is a direct indication of a security's overall liquidity. The higher the average daily trading volume, the easier it is to enter or exit the stock at a desired price with more buyers and sellers being available.

Daily Price Change: This is the percentage difference between a trading day's closing price and the prior trading day's closing price. This item is updated at 9 p.m. EST each day.

1-Week Price Change: This is the percentage change in a stock's closing price over the last 5 trading days. This change reflects the collective buying and selling sentiment over the 1-week period.

A strong weekly price increase for the stock, especially when accompanied by increased volume, is an indication of it gaining momentum.

4-Week Price Change: This is the percentage change in a stock's closing price over the last 20 trading days or past 4 weeks. This is a medium-term price change metric and an indication of the stock gaining momentum.

12-Week Price Change: This is the percentage change of a stock's closing price over the last 60 trading days or past 12 weeks. Similar to 4-week price change, this is a medium-term price change metric. It shows whether a stock has been enjoying strong investor demand, or if it has been in consolidation, or distress over this period.

52-Week Price Change: This is the percentage change in a stock's closing price over the last 260 trading days or past 52 weeks. This long-term price change metric is a good reference point for investors. Some investors seek stocks with the best percentage price change over the last 52 weeks, expecting the momentum to continue.

Market Cap: The number of outstanding common shares of a company times its latest price per share. This figure represents a company's size, which indicates various characteristics, including price stability and risk, in which investors could be interested.

Year-To-Date Price Change: Change in a stock's daily closing price in the period of time beginning the first day of the current calendar year through to the previous trading day.

of Analysts: Number of EPS estimates used in calculating the current-quarter consensus. These estimates come from the brokerage analysts tracking this stock. However, the number of such analysts tracking this stock may not match the number of estimates, as all brokerage analysts may not come up with an estimate or provide it to us.

Beta: A measure of risk commonly used to compare the volatility of a stock to the overall market. The S&P 500 Index is the base for calculating beta and carries a value of 1. A stock with beta below 1 is less risky than the market as a whole. And a stock with beta above 1 is riskier.

Dividend: The portion of earnings a company is expected to distribute to its common shareholders in the next 12 months for each share they own. Dividends are usually paid quarterly. Dividend payments reflect positively on a company and help maintain investors' trust. Investors typically find dividend-paying stocks appealing because the dividend adds to any market price appreciation to result in higher return on investment (ROI). Moreover, a steady or increasing dividend payment provides investors a cushion in a down market.

Dividend Yield: The ratio of a company's annual dividend to its share price. The annual dividend used in the ratio is calculated based on the most recent dividend paid by the company. Dividend yield is an estimate of the dividend-only return from a stock in the next 12 months. Since dividend itself doesn't change frequently, dividend yield usually changes with a stock's price movement. As a result, often an unusually high dividend yield is a result of weak stock price.

S&P 500 Index: The Standard & Poor's 500 (S&P 500) Index is an unmanaged group of securities considered to be representative of the stock market in general. It is a market-capitalization-weighted index of stocks of the 500 largest U.S. companies. Each stock's weight in the index is proportionate to its market value.

Industry: One of the 250+ groups that Zacks classifies all stocks into based on the nature of business. These groups are termed as expanded (aka "X") industries and map to their respective (economic) sectors; Zacks has 16 sectors.

Zacks Industry Rank: The Zacks Industry Rank is determined by calculating the average Zacks Rank for all stocks in the industry and then assigning an ordinal rank to it. For example, an industry with an average Zacks Rank of 1.6 is better than an industry with an average Zacks Rank of 2.3. So, the industry with the better average Zacks Rank would get a better Zacks Industry Rank. If an industry has the best average Zacks Rank, it would be considered the top industry (1 out of 250+), which would place it at the top 1% of Zacks-ranked industries. Studies have shown that roughly half of a stock's price movement can be attributed to the industry group it belongs to. In fact, the top 50% of Zacks-ranked industries outperforms the bottom 50% by a factor of more than 2 to 1.

Last EPS Surprise: The percentage deviation of a company's last reported earnings per share from the Zacks Consensus Estimate. Companies with a positive earnings surprise are more likely to surprise again in the future (or miss again if they recently missed).

Last Sales Surprise: The percentage deviation of a company's last reported sales from the Zacks Consensus Estimate.

Expected Report Date: This is an estimated date of a company's next earnings release. The information originated or gathered by Zacks Investment Research from its information providers or publicly available sources is the basis of this estimate.

Earnings ESP: The Zacks Earnings ESP compares the Most Accurate Estimate to the Zacks Consensus Estimate for the yet-to-be reported quarter. The Most Accurate Estimate is the most recent version of the Zacks Consensus EPS Estimate. The idea here is that analysts revising their estimates closer to an earnings release have the latest information, which could potentially be more accurate than what they and others contributing to the consensus had predicted earlier. Thus, a positive or negative Earnings ESP reading theoretically indicates the likely deviation of the actual earnings from the consensus estimate. However, the model's predictive power is significant for positive ESP readings only. A positive Earnings ESP is a strong predictor of an earnings beat, particularly when combined with a Zacks Rank #1 (Strong Buy), #2 (Buy) or #3 (Hold). Our research shows that stocks with this combination produce a positive surprise nearly 70% of the time.

Periods:

TTM: Trailing 12 months. Using TTM figures is an effective way of analyzing the most-recent financial data in an annualized format that helps neutralize the effects of seasonality and other quarter-to-quarter variation.

F1: Current fiscal year. This period is used to analyze the estimates for the ongoing full fiscal year.

F2: Next fiscal year. This period is used to analyze the estimates for the next full fiscal year.

F12M: Forward 12 months. Using F12M figures is an effective way of analyzing the near-term (the following four unreported quarters) estimates in an annualized manner. Instead of typically representing estimates for the full fiscal year, which may not represent the nitty-gritty of each quarter, F12M figures suggest an all-inclusive annualized estimate for the following four quarters. The annualization helps neutralize the potential effects of seasonality and other quarter-to-quarter variations.

P/E Ratio: The price-to-earnings ratio measures a company's current market price per share relative to its earnings per share (EPS). Usually, the trailing-12-month (TTM) EPS, current-fiscal-year (F1) EPS estimate, or forward-12-month (F12M) EPS estimate is used as the denominator. In essence, this ratio shows what the market is willing to pay today for each dollar of EPS. In other words, this ratio gives a sense of what the relative value of the company is at the already reported level of earnings or at a future level of earnings.

It is one of the most widely-used multiples for determining the value of a company and helps comparing its valuation with that of a competitor, the industry group or a benchmark.

PEG Ratio: The price/earnings to growth ratio is a stock's P/E ratio using current fiscal year (F1) EPS estimate divided by its expected EPS growth rate over the coming 3 to 5 years. This ratio essentially determines a stock's value by factoring in the company's expected earnings growth and is thus believed to provide a more complete picture than just the P/E ratio, particularly for faster-growing companies.

P/S Ratio: The price-to-sales ratio is calculated as a company's current price per share divided by trailing 12 months (TTM) sales or revenues per share. This ratio shows what the market is willing to pay today for each dollar of TTM sales per share. The P/S ratio is at times the only valuation metric when the company has yet to become profitable.

Cash/Price Ratio: The cash-to-price ratio or Cash Yield is calculated as cash and marketable securities per share divided by the company's current share price. Like the earnings yield, which shows the anticipated yield (or return) on a stock from earnings for each dollar invested, the cash yield does the same, with cash being the source of return instead of earnings. For example, a cash/price ratio of 0.08 suggests a return of 8% or 8 cents for every \$1 investment.

EV/EBITDA Ratio: The EV/EBITDA ratio, also known as Enterprise Multiple, is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by EBITDA (earnings before interest, taxes, depreciation and amortization). Usually, trailing-12-month (TTM) or forward-12-month (F12M) EBITDA is used as the denominator.

EV/Sales Ratio: The enterprise value-to-sales ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by annual sales. It is an expansion of the P/S valuation, which uses market value instead of enterprise value. The EV/Sales ratio is perceived as more accurate than P/S, in part, because the market capitalization does not take a company's debt into account when valuing it.

EV/CF Ratio: The enterprise value-to-cash flow ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by the trailing-12-month (TTM) operating cash flow. It's a measure of how long it would take to buy the entire business if you were able to use all the company's operating cash flow.

The EV/CF ratio is perceived as more accurate than the P/CF ratio, in part, because the market price does not take a company's debt into account when valuing it.

EV/FCF Ratio: The enterprise value-to-free cash flow metric compares a company's enterprise value to its trailing-12-month (TTM) free cash flow (FCF). This metric is very similar to the EV/CF ratio, but is considered a more exact measure owing to the fact that it uses free cash flow, which subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding growth activities and payments to shareholders.

P/EBITDA Ratio: The P/EBITDA ratio is calculated as a company's per share market value divided by EBITDA (earnings before interest, taxes, depreciation, and amortization). This metric is very similar to the EV/EBITDA ratio, but is considered a little less exact measure as it uses market price, which does not take a company's debt into account. However, since EBITDA is often considered a proxy for cash income, the metric is used as a measure of what the market is willing to pay today for each dollar of the company's cash profitability in the trailing 12 months (TTM) or forward 12 months (F12M).

P/B Ratio: The price-to-book ratio is calculated as a company's current price per share divided by its book value (total assets – liabilities – preferred stocks) per share. In short, the book value is how much a company is worth. In other words, it reflects the total value of a company's assets that its common shareholders would receive if it were to be liquidated. So, the P/B ratio indicates whether you're paying higher or lower than what would remain if the company went bankrupt immediately. Investors typically use this metric to determine how a company's stock price stacks up to its intrinsic value.

P/TB Ratio: The price-to-tangible-book value ratio is calculated as a the per share market value of a company divided by the value of its tangible assets (total assets – liabilities – preferred stocks – intangible assets) per share. Tangible book value is the same thing as book value except it excludes the value of intangible assets to get a step closer to the baseline value of the company.

P/CF Ratio: The price-to-cash flow ratio measures a company's per share market price relative to its trailing-12-month (TTM) operating cash flow per share. This metric is used to determine whether a company is undervalued or overvalued relative to another stock, industry or sector. And like the P/E ratio, a lower number is typically considered better from the value perspective.

One of the reasons why P/CF ratio is often preferred over P/E ratio is the fact that operating cash flow adds back non-cash expenses such as depreciation and amortization to net income. This feature helps valuing stocks that have positive cash flow but are not profitable because of large noncash charges.

P/FCF Ratio: The price-to-free cash flow ratio is an extension of P/CF ratio, which uses trailing-12-month (TTM) free cash flow per share instead of operating cash flow per share. This metric is considered a more exact measure than P/CF ratio, as free cash flow subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding activities that generate additional revenues.

Earnings Yield: The earnings yield is calculated as current fiscal year (F1) EPS estimate divided by the company's current share price. The ratio, which is the inverse of the P/E ratio, measures the anticipated yield (or return) from earnings for each dollar invested in a stock today.

For example, earnings yield for a stock, which is trading at \$35 and expected to earn \$3 per share in the current fiscal year (F1), would be 0.0857 ($3/35 = 0.0857$) or 8.57%. In other words, for \$1 invested in the stock today, the yield from earnings is anticipated to be 8.57 cents.

Investors most commonly compare the earnings yield of a stock to that of a broad market index (such as the S&P 500) and prevailing interest rates, such as the current 10-year Treasury yield. Since bonds and stocks compete for investors' dollars, stock investors typically demand a higher yield for the extra risk they assume compared to investors of U.S. Treasury-backed securities that offer virtually risk-free returns. This additional return is referred to as the risk premium.

Debt/Equity Ratio: The debt-to-equity ratio is calculated as a company's total liabilities divided by its shareholder equity. This metric is used to gauge a company's financial leverage. In other words, it is a measure of the degree to which a company is financing its operations through debt versus its own funds. The higher the ratio, the higher the risk for shareholders.

However, this ratio is difficult to compare across industry groups where ideal amounts of debt vary. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-equity ratio should be compared with other companies in the same industry.

Cash Flow (\$/share): Cash flow per share is calculated as operating cash flow (after-tax earnings + depreciation + other non-cash charges) divided by common shares outstanding. It is used by many investors as a measure of a company's financial strength. Since cash flow per share takes into consideration a company's ability to generate cash by adding back non-cash expenses, it is regarded by some as a more accurate measure of a company's financial situation than earnings per share, which could be artificially deflated.

Current Ratio: The current ratio or liquidity ratio is a company's current assets divided by its current liabilities. It measures a company's ability to pay short-term obligations. A current ratio that is in line with the industry average or slightly higher is generally considered acceptable. A current ratio that is lower than the industry average would indicate a higher risk of distress or default. A higher number is usually better. However, a very high current ratio compared to the industry average could be an indication of inefficient use of assets by management.

Debt/Capital Ratio: Debt-to-capital ratio is a company's total debt (interest-bearing debt + both short- and long-term liabilities) divided its total capital (interest-bearing debt + shareholders' equity). It is a measure of a company's financial leverage. All else being equal, the higher the debt-to-capital ratio, the riskier the stock.

However, this ratio can vary widely from industry to industry, the ideal amount of required debt being different. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-capital ratio should be compared with the same for its industry.

Net Margin: Net margin is calculated as net income divided by sales. It shows how much of each dollar in sales generated by a company translates into profit. For example, if a company's net margin is 15%, its net income is 15 cents for every \$1 of sales it makes.

A change in margin can reflect either a change in business conditions, or a company's cost controls, or both. If a company's expenses are growing faster than sales, its net margin will decline. However, different net margin rates are considered good for different industries, so it's better to compare net margin rates of companies in the same industry group.

Return on Equity: Return on equity (ROE) is calculated as trailing-12-month net income divided by trailing-12-month average shareholder equity (including reinvested earnings). This metric is considered a measure of how effectively management is using a company's assets to generate profits. For example, if a company's ROE is 10%, it creates 10 cents profits for every \$1 shareholder equity, which is basically the company's assets minus debt. A company's ROE deemed good or bad depends on what's normal for its peers or industry group.

Sales/Assets Ratio: The sales-to-assets ratio or asset utilization ratio or asset turnover ratio is calculated as a company's annual sales divided by average assets (average of assets at the beginning of the year and at the year's end). This metric helps investors understand how effectively a company is using its assets to generate sales. For example, a sales-to-assets ratio of 2.5 indicates that the company generated \$2.50 in sales for every \$1 of assets on its books.

The higher the sales-to-assets ratio, the better the company is performing. However, similar to many other ratios, the asset turnover ratio tends to be higher for companies in certain industries/sectors than in others. So, a company's sales-to-assets ratio should be compared with the same for its industry/sector.

Historical EPS Growth (3-5 Years): This is the average annual (trailing-12-month) EPS growth rate over the last 3-5 years. This metric helps investors see how a company's EPS has grown from a long-term perspective.

Note: There are many factors that can influence short-term numbers — a recession will reduce this number, while a recovery will inflate it. The longterm perspective helps smooth out short-term events.

Projected EPS Growth (F1/F0): This is the estimated EPS growth rate for the current financial year. It is calculated as the consensus estimate for the current fiscal year (F1) divided by the reported EPS for the last completed fiscal year (F0).

Current Cash Flow Growth: It measures the latest year-over-year change in operating cash flow. Cash flow growth tells an investor how quickly a company is generating inflows of cash from operations. A positive change in the cash flow is desired and shows that more 'cash' is coming in than going out.

Historical Cash Flow Growth (3-5 Years): This is the annualized change in cash flow over the last 3-5 years. The change in a longer period helps put the current reading into proper perspective. By looking at the rate, rather than the actual dollar value, the comparison across the industry and peers becomes easier.

Projected Sales Growth (F1/F0): This metric looks at the estimated sales growth for the current year. It is calculated as sales estimate for the current fiscal year (F1) divided by the reported sales for the last completed fiscal year (F0).

Like EPS growth, a higher rate is better for sales growth. A look at a company's projected sales growth instantly tells you what the outlook is for their products and services. However, different sales growth rates are considered good for different industries, so it's better to compare sales growth rates of companies in the same industry group.

EPS F1 Estimate 1-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past week. The change in a company's consensus EPS estimate (or earnings estimate revision) has proven to be strongly correlated with the near-term price movement of its shares. It is an integral part of the Zacks Rank.

If a stock's consensus EPS estimate is \$1.10 now versus \$1.00 a week ago, that will be reflected as a 10% upward revision. If, on the other hand, it went from \$1.00 to 90 cents, that would be a 10% downward revision.

EPS F1 Estimate 4-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past four weeks.

A stock's earnings estimate revision in a 1-week period is important. But it's more meaningful to look at the longer-term revision. And, of course, the 4-week change helps put the 1-week change into proper perspective.

EPS F1 Estimate 12-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past 12 weeks.

This metric essentially shows how the consensus EPS estimate has changed over a period longer than 1 week or 4 weeks.

EPS Q1 Estimate Monthly Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal quarter over the past four weeks.

While the revision in consensus EPS estimate for the current fiscal year is strongly correlated with the near-term price movement of its shares, the estimate revision for the current fiscal quarter is an important metric as well, especially over the short term, and particularly as a stock approaches its earnings date. If a stock's Q1 EPS estimate decreases ahead of its earnings release, it's usually a negative sign, whereas an increase is a positive sign.