

Foundations of Commercial Lines

Understanding Insurance Industry Financial Measures
Part 2 - Financial Ratios

We underwrite



Financial ratio analysis

What is a ratio?

A comparison of variables from financial statements

Ratio calculations allow us to see relationships between one variable and another

This can tell us a lot about the way an organization is handling their finances



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Financial ratio analysis

Benchmarks

Used to assess business profitability and performance through comparison by:

Time trend analysis - this allows us to see how the ratios change over time

Peer group analysis - this allows us to compare a company with other similar types of companies (peer companies)



Financial ratio analysis

There are 5 major types of ratios:

Liquidity ratios (aka short-term solvency ratios)

Show if the company can pay their bills in the short run

Leverage ratios (aka long-term solvency ratios)

• Show the company's ability to pay their debts

Market value ratios

 Compare variables in the financial statements with market value information, like stock price

Asset management ratios

Show how efficiently an organization uses their assets to generate sales

Profitability measures

• Show how efficiently the firm manages their operations. The focus here is on the bottom line - net income

Liquidity ratios

Current ratio =

Current assets

Current liabilities

Quick ratio =

(current assets - inventory)

Current liabilities

XYZ Corporation

Sentember 2022

September 2022	
Balance Sheet	
Assets	
Cash & Short-Term Investments	8,938
Short-Term Receivables	1,649
Inventories	(1,401)
Other Current Assets	507
Total Current Assets	(12,494)
Net Property, Plant & Equipment	5,929
Total Investments and Advances	602
Intangible Assets	4,584
Deferred Tax Assets	135
Other Assets	412
Total Assets	24,156
Liabilities & Shareholders' Equity	
ST Debt & Curr. Portion LT Debt	354
Accounts Payable	1,179
Income Tax Payable	287
Other Current Liabilities	3,864
Total Current Liabilities	5,684
Long-Term Debt	9,144
Provision for Risks & Charges	82
Deferred Tax Liabilities	495
Other Liabilities	7,575
Total Liabilities	22,981
Common Equity	1,170
Total Shareholders' Equity	1,170
Accumulated Minority Interest	6
Total Equity	1,176
Total Liabilities & Shareholders' Equity	24,156

^{*}This document is for educational purposes only. The data shown is illustrative and does not represent the latest information from Everest.

Leverage ratios

Total debt ratio =

<u>Total assets - total equity</u>

Total assets

Debt to equity ratio =

<u>Total debt</u>

Total equity

XYZ Corporation

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Market value ratios

Earnings per share =

Net income

Shares outstanding

Price to earnings ratio =

Price per share

Earnings per share

Market to book ratio =

<u>Market value per share</u>

Book value per share

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Asset management ratios

Inventory turnover =

Cost of goods sold (COGS)

Inventory

Total asset turnover =

<u>Sales</u>

Total assets

XYZ Corporation

September 2022

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Income Statement	
Sales	24,720
Cost of Goods Sold (COGS)	19,105
Gross Income	5,615
SG&A Expense	1,755
EBIT (Operating Income)	3,860
Nonoperating Income - Net	1,026
Interest Expense	175
Unusual Expense - Net	-1,070
Income Taxes	1,262
Net Income	4,518

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Profitability measures

Profit margin =

Net income

Revenue

Return on equity =

Net income

Total equity

Return on assets =

Net income

Total assets

XYZ Corporation

September 2022

Net Income

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Thank you for completing this module.

For more, please complete part 3 and part 4 of Foundations of Commercial Lines: Understanding Insurance Industry Financial Metrics.