

Management Consulting

INDUSTRY SUMMARY

COGENT VALUATION identified **Management Consulting** publicly traded companies, IPOs, and recent M&A transactions within the Management Consulting industry, which provides a basis for market and transaction pricing that can be used by your firm in estimating market sentiment and its impact on your firm's value. Over the last year since December 31, 2017, the median 52-week share price return of the Management Consulting industry was 12.9%. Between December 31, 2016 and December 31, 2018, the median EV/EBITDA multiple decreased from 10.7 to 10.3. Furthermore, the median price-to-earnings multiple decreased from 22.4 to 17.7 over the same period. The median revenue growth and EBITDA margins for the industry for the quarter were 1.7% and 10.0%, respectively.

Public Company Key Statistics

Median 52-Week
Return

12.9%

Median 3-Year CAGR
Return

11.8%

Median EV/Revenue
Multiple

1.1x

Median EV/EBITDA
Multiple

10.3x

Median Price/Earnings
Multiple

17.7x

Median EV/Gross CF
Multiple

13.9x

Comparable Public Company Market Price Returns as of September 30, 2018

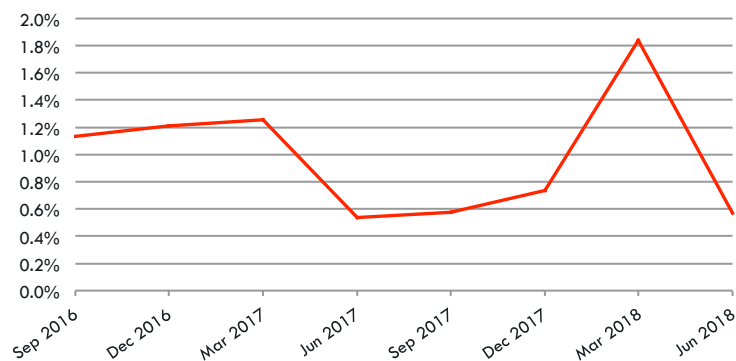
	YTD	3 Month	1 Year	2 Year	2017	2016	2015	2014
Booz Allen Hamilton Holding Corporation	30.2%	13.5%	9.8%	13.5%	5.7%	16.9%	16.3%	38.5%
Cebu Air, Inc.	-35.2%	-0.1%	-6.7%	1.4%	6.6%	7.0%	-8.4%	81.7%
CRA International, Inc.	11.7%	-1.3%	44.0%	14.2%	22.8%	96.2%	-38.5%	53.1%
Forrester Research, Inc.	3.8%	9.4%	6.2%	4.3%	2.9%	50.8%	-27.6%	2.9%
Franklin Covey Co.	14.0%	-3.7%	25.9%	-2.5%	3.0%	20.4%	-13.5%	-2.6%
FTI Consulting, Inc.	70.4%	21.0%	-14.1%	-7.9%	-4.7%	30.1%	-10.3%	-6.1%
Heidrick & Struggles International	37.9%	-3.3%	28.9%	-8.7%	1.7%	-11.3%	18.1%	14.4%
Huron Consulting Group Inc.	22.1%	20.8%	-28.5%	-21.5%	-20.1%	-14.7%	-13.1%	9.1%
ICF International, Inc.	43.7%	6.2%	15.2%	16.2%	-4.9%	55.2%	-13.2%	18.1%
MDC Partners Inc.	-57.4%	-9.8%	-45.9%	-29.1%	48.9%	-69.8%	-4.4%	-10.9%
Navigant Consulting, Inc.	18.8%	4.2%	22.4%	15.3%	-25.9%	63.0%	4.5%	-19.9%
PFSweb, Inc.	-0.4%	-23.9%	-13.1%	-22.8%	-12.6%	-34.0%	1.7%	39.6%
Median of Industry Public Companies	12.9%	2.0%	9.8%	-2.5%	2.3%	16.9%	-8.4%	9.1%

Multiple year periods are calculated as the average annual return.

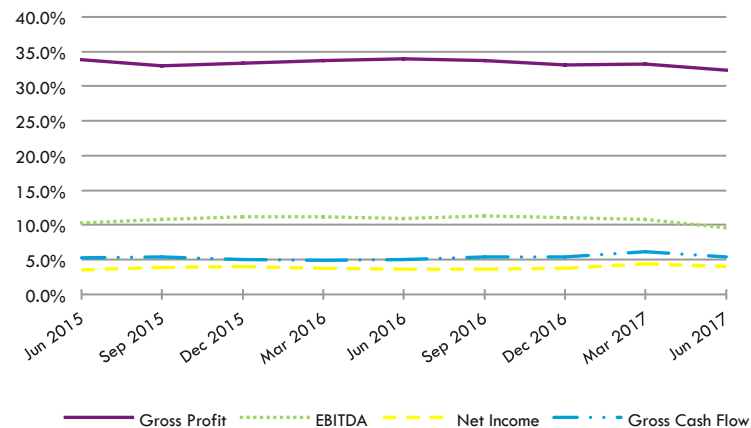
■ Highest Return
 ■ Lowest Return
 ■ Median Return

Industry Revenue Growth and Profit Margins for the Past Two Years

Median Quarterly Revenue Growth of All Management Consulting Companies



Median Gross Profit, EBITDA, Net Income, and Gross Cash Flow Margins



Public Company Median Multiples by Quarter

	12/31/18	9/30/18	6/30/18	3/31/18	12/31/17	6/30/17	3/31/17	12/31/16
EV/Revenues Multiple	1.1x	1.2x	1.1x	1.0x	1.1x	1.1x	1.1x	1.1x
EV/EBITDA Multiple	10.3x	11.8x	10.3x	10.4x	10.3x	10.3x	10.0x	9.3x
Price/Earnings Multiple	17.7x	18.5x	15.1x	15.1x	22.5x	21.0x	20.0x	19.6x
EV/Gross Cash Flows Multiple	13.9x	18.3x	15.8x	14.6x	20.6x	17.9x	18.3x	17.1x

■ Highest Multiple
 ■ Lowest Multiple
 ■ Median Multiple

Industry Initial Public Offerings—Management Consulting

(dollars in millions, except share prices)

Offer Date	Company Name	Offer Price	Shares Offered	Amount Raised	Total Assets	Debt	LTM Revenues	LTM EBITDA	LTM Net Income	LTM Cash Flows
9/27/18	Frontier Management Inc.	\$19.95	0.2	\$7.0	\$2,136.0	\$588.0	\$34.4	\$0.0	\$179.0	\$0.0
7/22/18	Management Solutions Co.,Ltd.	\$18.78	14.0	\$238.0	\$3,082.1	\$1,474.9	\$22.2	\$0.0	\$49.2	\$388.7
4/2/18	Lex Nimble Solutions Limited	\$0.88	4.2	\$54.2	\$101.5	\$0.0	\$0.3	\$336.6	\$10.0	(\$2.3)
9/29/16	G-Factory Co.,Ltd.	\$31.91	7.8	\$74.2	\$187.8	\$19.7	\$17.5	(\$4.1)	\$21.3	\$24.6
11/16/10	Booz Allen Hamilton Holding Corporation	\$17.00	2.9	\$29.0	\$37.8	\$1.0	\$5,323.1	\$24.3	\$0.8	\$6.3
5/19/10	ReachLocal, Inc.	\$13.00	4.7	\$56.0	\$171.2	\$64.9	\$224.0	\$4.7	(\$0.1)	\$10.8
5/4/10	Charm Communications Inc.	\$9.50	5.0	\$77.5	\$55.5	\$10.1	\$123.7	\$8.0	\$7.6	\$26.3
9/27/18	Median of all IPOs	nm	nm	\$65.1	\$179.5	\$42.3	\$123.7	\$15.3	\$15.7	\$17.7

Multiple year periods are calculated as the average annual return.

■ Highest Return ■ Lowest Return ■ Median Return

Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

Transaction Date	Target	Acquirer	Transaction Size	% Bought	LTM Revenues	EV/ Revenues
12/14/18	PIPL Management Consultancy and Investment Private Limited	NIIT Limited	\$34.6	100%	N/A	N/A
11/14/18	Metis Consulting SAS	Wavestone SA	\$11.9	100%	\$50.8	N/A
7/2/18	Projects Assured Pty Ltd	DWS Limited	\$31.8	100%	N/A	N/A
6/28/18	Cartesian, Inc.	Blackstreet Capital Management, LLC	\$11.5	100%	\$378.0	1.5x
3/5/18	Airlie Funds Management	Magellan Financial Group	\$114.8	100%	N/A	N/A
2/19/18	SQS Software Quality Systems	Assystem Technologies SA	\$1.4	100%	N/A	0.9x
7/12/17	Vynamic, LLC	Enero Group Limited	\$32.0	100%	N/A	N/A
7/6/17	Sentensia Q AB	B3IT Management AB (nka:B3 Consulting Group AB (publ))	\$3.0	100%	N/A	0.6x
6/20/17	ProofID Limited	PEGRight, Inc.	\$5.0	100%	N/A	0.2x
5/8/17	Jibe Consulting, Inc.	The Hackett Group, Inc.	\$20.0	100%	N/A	0.6x
1/6/17	The Investment Firm Pte. Ltd.	Sino Holdings (S'pore) Pte Ltd	\$1.4	100%	N/A	2.2x
12/31/15	R.A.S. Associates, Inc.	Perficient, Inc.	\$13.5	100%	\$9.0	N/A

■ USA
 ■ International
 ■ Highest
 ■ Lowest
 ■ Median

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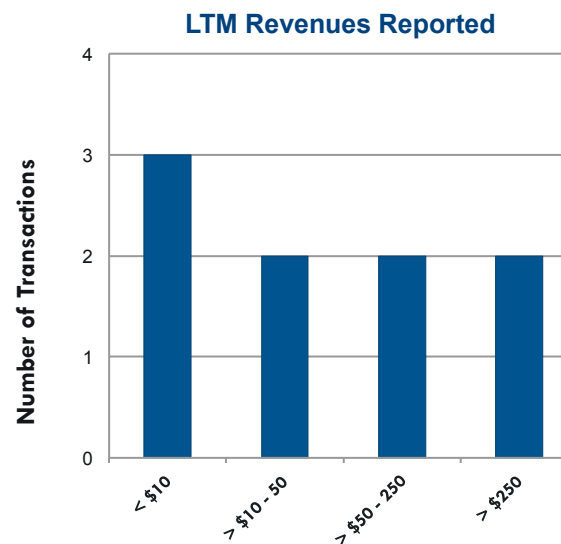
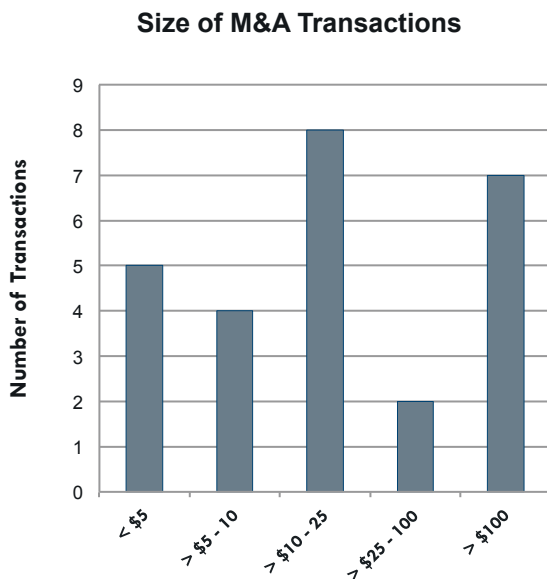
Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions)

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Transaction Date	Target	Acquirer	Transaction Size	% Bought	LTM Revenues	EV/ Revenues
11/4/15	Horwath Consulting Services	Shiji (Hong Kong) Limited	\$10.0	75%	N/A	N/A
8/25/15	Kerensen Consulting SAS	Salesforce.com, inc.	\$24.2	100%	\$17.0	1.4x
7/28/15	Agora Group, Inc.	Virtusa Corporation	\$7.5	100%	N/A	N/A
7/27/15	ThinOps Resources, LLC	Code Rebel Corp	\$9.3	100%	\$1.9	4.9x
6/3/15	Trissential, LLC	SQS Software Quality	\$30.9	100%	\$32.3	1.0x
11/27/14	Sandra Hartog & Assc.	BTS USA, Inc.	\$6.6	100%	N/A	N/A
11/3/14	VERTEX Incorporated	Ebix Inc.	\$29.0	100%	N/A	N/A
Median of the 20 M&A Transaction Targets			\$22..7	100%	N/A	N/A

USA
 International
 Highest
 Lowest
 Median

Recent Merger and Acquisition Transactions for a Majority Stake (dollars in millions) as of September 30, 2018



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Definitions of Financial Terms Used in this Quarterly Industry Update:

Enterprise Value (EV): Market Value of Equity + Market Value of Debt —Cash

Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA): Profitability metric sometimes also referred to as operating profit or operating earnings.

Gross Cash Flows: Net Income + Depreciation and Amortization Expense

Latest Twelve Months (LTM): Financial information is as of the latest twelve months through the date of this Quarterly Industry Update.

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