



Healthcare Industry

Select Healthcare Public Company Industry Data As of December 31, 2018

(USD in millions, except per share data)			v	Iarket Data			LTM (Operating D	Forward F	Forward Estimates	
Company Name	Ticker	Price at 12/31/18	% of 52 Week High	Equity Value	Enterprise Value	Debt / Total Capital	Total Assets	LTM Revenue	LTM EBITDA	CY 2018 Revenue Estimate	CY 2018 EBITDA Estimate
Healthcare Equipment and Supplies											
Align Technology, Inc. Boston Scientific	ALGN	\$209.43	52.5%	\$16,751.13	\$19,320.72	0.0%	\$2,052.46	\$1,966.49	\$517.48	\$2,421.99	\$624.12
Corporation	BSX	\$35.34	89.6%	\$48,903.52	\$61,699.33	44.4%	\$0.00	\$9,823.00	\$2,768.33	\$10,638.93	\$3,048.97
Haemonetics Corporation	HAE	\$100.05	85.1%	\$5,171.02	\$4,587.09	35.0%	\$1,227.64	\$951.84	\$218.00	\$1,019.66	\$276.58
ICU Medical, Inc. Integra LifeSciences	ICUI	\$229.63	71.4%	\$4,704.93	\$4,764.57	0.2%	\$ 1,545.18	\$1,429.79	\$334.34	\$1,335.85	\$324.93
Holdings Corporation	IART	\$45.10	66.8%	\$3,841.60	\$5,533.92	51.2%	\$3,178.64	\$1,45 7.73	\$359.68	\$1,533.86	\$381.58
Medtronic plc	MDT	\$90.96	90.8%	\$122,163.41	\$137,533.03	33.5%	\$88,150.00	\$30,378.00	\$9,680.00	\$31,433.27	\$11,003.43
NuVasive, Inc.	NUVA	\$49.56	68.4%	\$2,548.50	\$3,535.62	42.8%	\$1,675.40	\$1,087.44	\$228.82	\$1,167.21	\$309.56
ResMed Inc.	RMD	\$113.87	97.6%	\$16,226.45	\$15,297.76	38.0%	\$3,859.82	\$2,454.64	\$736.49	\$2,731.90	\$821.59
Stryker Corporation	SYK	\$156.75	87.2%	\$58,653.86	\$75,304.20	45.7%	\$27,229.00	\$13,601.00	\$3,817.00	\$14,796.45	\$4,266.80
Teleflex Incorporated	TFX	\$258.48	89.5%	\$11,885.46	\$14,741.69	46.2%	\$6,200.72	\$2,401.87	\$664.24	\$2,586.22	\$774.48
The Cooper Companies, Inc.	coo	\$254.50	89.9%	\$12,529.56	\$15,563.40	37.9%	\$6,112.80	\$2,532.80	\$760.60	\$2,688.57	\$949.88
Healthcare Providers an	d Services										
Centene Corporation	CNC	\$57.65	77.4%	\$23,773.02	\$27,832.09	37.8%	\$30,901.00	\$56,688.00	\$2,627.00	\$70,827.86	\$3,104.66
Cigna Corporation	CI	\$189.92	83.6%	\$72,317.32	\$111,669.77	50.8%	\$153,583.00	\$48,569.00	\$5,540.00	\$132,637.31	\$11,402.95
Community Health Systems, Inc.	CYH	\$2.82	44.3%	\$318.38	\$14,240.80	104.9%	\$16,469.00	\$13,760.00	\$846.00	\$13,109.10	\$1,559.31
DaVita Inc.	DVA	\$51.46	63.8%	\$8,541.56	\$20,771.28	66.7%	\$19,110.25	\$11,412.15	\$2,092.55	\$11,643.77	\$2,183.83
HCA Healthcare, Inc.	HCA	\$124.45	84.4%	\$42,830.77	\$83,297.51	109.8%	\$39,207.00	\$46,677.00	\$8,920.00	\$50,769.46	\$9,618.30
Humana Inc.	HUM	\$286.48	80.5%	\$39,301.30	\$44,778.49	38.0%	\$25,413.00	\$56,912.00	\$3,634.00	\$63,223.50	\$3,687.20
Select Medical Holdings Corporation Tenet Healthcare	SEM	\$15.35	70.9%	\$2,077.34	\$6,200.37	66.8%	\$5,980.18	\$4,909.69	\$600.45	\$5,305.83	\$681.20
Corporation Corporation	THC	\$17.14	43.1%	\$1,756.82	\$19,003.56	87.6%	\$22,265.00	\$18,672.00	\$2,629.00	\$18,071.54	\$2,600.86
WellCare Health Plans, Inc.	WCG	\$236.09	72.6%	\$11,802.58	\$12,155.55	33.4%	\$11,764.70	\$20,414.10	\$920.70	\$26,367.23	\$1,147.53

 $Notes; LTM\ (latest\ twelve\ months); Enterprise\ Value\ (market\ capitalization\ less\ total\ cash\ and\ short-term\ investments\ plus\ short-term\ borrowings\ and\ total\ long-term\ debt); and the capitalization\ less\ total\ cash\ and\ short-term\ investments\ plus\ short-term\ borrowings\ and\ total\ long-term\ debt); and the capitalization\ less\ total\ cash\ and\ short-term\ investments\ plus\ short-term\ borrowings\ and\ total\ long-term\ debt); and\ total\ long-term\ debt$

 $\label{eq:emings} \textbf{EBITDA} \mbox{ (earnings before interest, taxes, depreciation and amortization)} \\ \mbox{Source: Capital IQ}$

The material contained in this publication is meant to provide general information regarding valuation topics. This publication does not constitute investment advice with respect to the securities of any company discussed herein, is not intended to provide information upon which to base an investment decision, and should not be construed as such. Professional advice should be obtained before taking any action based on the information contained herein.

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(USD in millions, except per share data)

		Market Data					LTM (Operating D	Forward Estimates		
Company Name	Ticker	Price at 12/31/18	% of 52 Week High	Equity Value	Enterprise Value	Debt / Total Capital	Total Assets	LTM Revenue	LTM EBITDA	CY 2018 Revenue Estimate	CY 2018 EBITDA Estimate
Pharmaceuticals											
AbbVie Inc.	ABBV	\$92.19	73.2%	\$138,673.70	\$153,549.50	107.6%	\$0.00	\$32,753.00	\$13,994.00	\$32,836.61	\$16,043.93
Akorn, Inc.	AKRX	\$3.39	10.1%	\$425.42	\$1,087.14	55.7%	\$1,715.19	\$726.69	\$13.95	\$672.38	\$94.00
Bristol-Myers Squibb Company	BMY	\$51.98	74.2%	\$84,841.69	\$83,565.18	34.7%	\$0.00	\$22,561.00	\$7,114.67	\$24,220.72	\$7,713.58
Eli Lilly and Company	LLY	\$ 115.72	96.6%	\$116,728.66	\$126,573.10	47.4%	\$0.00	\$24,555.70	\$7,904.27	\$24,887.51	\$7,913.06
Amneal Pharmaceuticals, Inc.	AMRX	\$13.53	55.3%	\$1,722.46	\$4,807.87	75.9%	\$4,582.05	\$1,458.83	\$444.48	\$2,020.01	\$724.86
Merck & Co., Inc.	MRK	\$76.41	95.3%	\$198,694.77	\$218,954.72	42.1%	\$0.00	\$42,294.00	\$14,495.00	\$44,406.37	\$17,126.72
Mylan N.V.	MYL	\$27.40	57.3%	\$14,128.30	\$30,180.10	54.5%	\$33,455.60	\$11,594.10	\$3,776.60	\$11,872.45	\$4,049.31
Perrigo Company pk	PRGO	\$38.75	40.4%	\$5,264.44	\$9,416.83	36.6%	\$10,942.90	\$4,819.60	\$991.80	\$4,772.17	\$986.58
Pfizer Inc.	PFE	\$43.65	93.9%	\$252,317.72	\$267,344.52	36.8%	\$0.00	\$53,647.00	\$22,704.67	\$53,546.75	\$21,729.52
The Medicines Company	MDCO	\$19.14	46.0%	\$1,408.49	\$2,304.79	104.1%	\$733.74	\$14.73	-\$244.53	\$6.52	-\$144.97

Notes: LTM (latest twelve months); Enterprise Value (market capitalization less total cash and short-term investments plus short-term borrowings and total long-term debt);

EBITDA (earnings before interest, taxes, depreciation and amortization)

Source: Capital IQ

Select Healthcare Public Company Valuation Metrics As of December 31, 2018

(USD in millions, except per share data)

(O3D in muuons, except per si.	are aara)	LTM Operating Statistics							Trading Multiples			
Company Name	Ticker	Return On Assets	Return On Equity	Return On Capital	Revenue Growth	EBITDA Growth	EBITDA Margin	TEV/ LTM Revenue	TEV/ CY 2018 Revenue	TEV/ LTM EBITDA	TEV/ CY 2018 EBITDA	
Healthcare Equipment a	nd Supplies											
Align Technology, Inc. Boston Scientific	ALGN	15.2%	33.3%	24.3%	33.5%	32.2%	26.3%	9.8x	8.0x	37.3x	31.0x	
Corporation Corporation	BSX	0.0%	21.8%	8.6%	8.6%	13.6%	28.2%	6.3x	5.8x	22.3x	20.2x	
Haemonetics Corporation	HAE	6.5%	6.3%	7.9%	5.9%	61.2%	22.9%	4.8x	4.5x	21.0x	16.6x	
ICU Medical, Inc. Integra LifeSciences	ICUI	10.6%	7.1%	13.1%	40.4%	227.4%	23.4%	3.3x	3.6x	14.3x	14.7x	
Holdings Corporation	IART	5.6%	7.0%	6.4%	35.6%	46.7%	24.7%	3.8x	3.6x	15.4x	14.5x	
Medtronic plc	MDT	4.8%	4.3%	5.7%	2.5%	10.4%	31.9%	4.5x	4.4x	14.2x	12.5x	
NuVasive, Inc.	NUVA	4.2%	3.2%	4.9%	5.9%	-1.3%	21.0%	3.3x	3.0x	15.5x	11.4x	
ResMed Inc.	RMD	10.3%	22.7%	12.3%	11.8%	19.4%	30.0%	6.2x	5.6x	20.8x	18.6x	
Stryker Corporation	SYK	7.8%	32.7%	10.0%	9.3%	12.1%	28.1%	5.5x	5.1x	19.7x	17.6x	
Teleflex Incorporated The Cooper Companies,	TFX	5.2%	2.7%	6.5%	16.3%	20.4%	27.7%	6.1x	5.7x	22.2x	19.0x	
Inc.	COO	5.5%	4.3%	6.3%	18.4%	18.3%	30.0%	6.1x	5.8x	20.5x	16.4x	
	Mean Median	6.9% 5.6%	13.2% 7.0%	9.6% 7.9%	17.1% 11.8%		26.7% 27.7%	5.4x 5.5x	5.0x 5.1x	20.3x 20.5x	17.5x 16.6x	
Healthcare Providers and	1 Services											
Centene Corporation	CNC	5.1%	10.0%	9.1%	23.8%	43.6%	4.6%	0.5x	0.4x	10.6x	9.0x	
Cigna Corporation	CI	2.8%	9.6%	5.9%	16.7%	18.5%	11.4%	2.3x	0.8x	20.2x	9.8x	
Community Health Systems Inc.	S, CYH	0.9%	-400.2%	1.1%	-17.9%	-48.9%	6.1%	1.0x	1.1x	16.8x	9.1x	
DaVita Inc.	DVA	4.9%	14.5%	6.2%	4.9%	-13.1%	18.3%	1.8x	1.8x	9.9x	9.5x	
HCA Healthcare, Inc.	HCA	11.0%	N/A	14.3%	7.0%	9.0%	19.1%	1.8x	1.6x	9.3x	8.7x	
Humana Inc.	HUM	7.4%	16.8%	12.4%	5.8%	-1.0%	6.4%	0.8x	0.7x	12.3x	12.1x	
Select Medical Holdings Corporation	SEM	4.6%	17.3%	5.5%	14.2%	22.0%	12.2%	1.3x	1.2x	10.3x	9.1x	
Tenet Healthcare Corporation	THC	5.0%	11.3%	6.6%	-2.0%	16.9%	14.1%	1.0x	1.1x	7.2x	7.3x	
WellCare Health Plans, Inc.	WCG	5.1%	13.2%	10.3%	20.0%	44.6%	4.5%	0.6x	0.5x	13.2x	10.6x	
	Mean Median	5.2% 5.0%	-38.4% 12.3%	7.9% 6.6%	8.0% 7.0%		10.8% 11.4%	1.2x 1.0x	1.0x 1.1x	12.2x 10.6x	9.5x 9.1x	

Notes: LTM (latest twelve months); NTM (next twelve months); EBITDA (earnings before interest, taxes, depreciation and amortization); TEV (total enterprise value)

Source: Capital IQ

Select Healthcare Public Company Valuation Metrics As of December 31, 2018

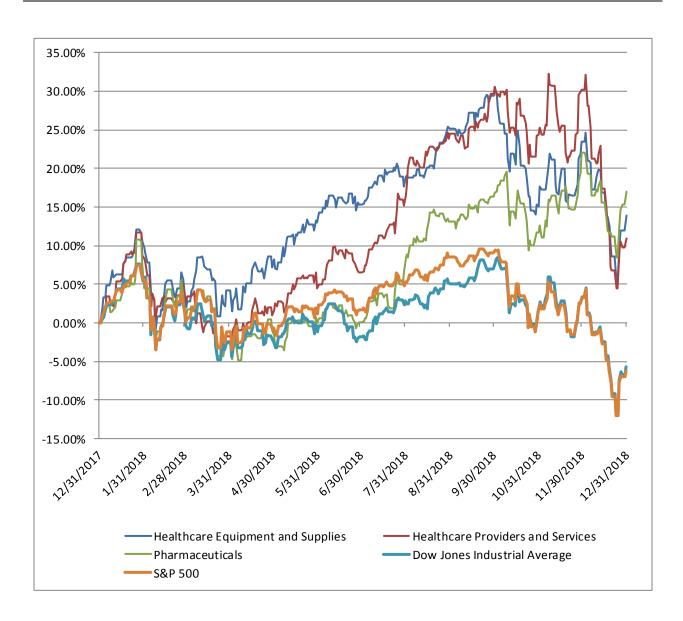
(USD in millions, except per share data)

				LTM Operat	Trading Multiples						
		Return	Return	Return				TEV/	TEV/	TEV/	TEV/
		On	On	On	Revenue	EBITDA	EBITDA	LTM	CY 2018	LTM	CY 2018
Company Name	Ticker	Assets	Equity	Capital	Growth	Growth	Margin	Revenue	Revenue	EBITDA	EBITDA
Pharmaceuticals											
AbbVie Inc.	ABBV	0.0%	522.7%	18.9%	16.1%	15.2%	42.7%	4.7x	4.7x	11.0x	9.6x
Akorn, Inc.	AKRX	-2.3%	-32.7%	-2.7%	-22.6%	-95.3%	1.9%	1.5x	1.6x	78.0x	11.6x
Bristol-Myers Squibb Company	BMY	0.0%	38.9%	20.0%	8.6%	25.1%	31.5%	3.7x	3.5x	11.7x	10.8x
Eli Lilly and Company	LLY	0.0%	25.0%	14.9%	7.4%	21.6%		5.2x	5.1x	16.0x	16.0x
Amneal Pharmaceuticals,		0.076	23.070		7.470	21.070	32.270	3.2x	3.1X	10.0x	10.0x
Inc.	AMRX	7.3%	-48.6%	8.8%	40.4%	57.6%	30.5%	3.3x	2.4x	10.8x	6.6x
Merck & Co., Inc.	MRK	0.0%	18.4%	10.8%	5.4%	13.9%	34.3%	5.2x	4.9x	15.1x	12.8x
Mylan N.V.	MYL	3.4%	4.3%	4.4%	-2.9%	-0.1%	32.6%	2.6x	2.5x	8.0x	7.5x
Perrigo Company plc	PRGO	3.1%	2.1%	3.7%	-3.5%	-9.1%	20.6%	2.0x	2.0x	9.5x	9.5x
Pfizer Inc.	PFE	0.0%	15.6%	9.0%	2.1%	6.7%	42.3%	5.0x	5.0x	11.8x	12.3x
The Medicines Company	MDCO	-18.0%	-433.9%	-21.3%	-59.9%	N/A	N/A	156.4x	353.3x	N/A	N/A
	Mean	-0.6%	11.2%	6.7%	-0.9%	4.0%	29.8%	18.9x	38.5x	19.1x	10.7x
	Median	0.0%	10.0%	8.9%	3.8%	13.9%	32.2%	4.2x	4.1x	11.7x	10.8x

Notes: LTM (latest twelve months); NTM (next twelve months); EBITDA (earnings before interest, taxes, depreciation and amortization); TEV (total enterprise value)

Source: Capital IQ

Healthcare Public Company LTM Equity Performance As of December 31, 2018



Note: The indices are derived from the equity performance of the previously listed companies. Source: Capital IQ

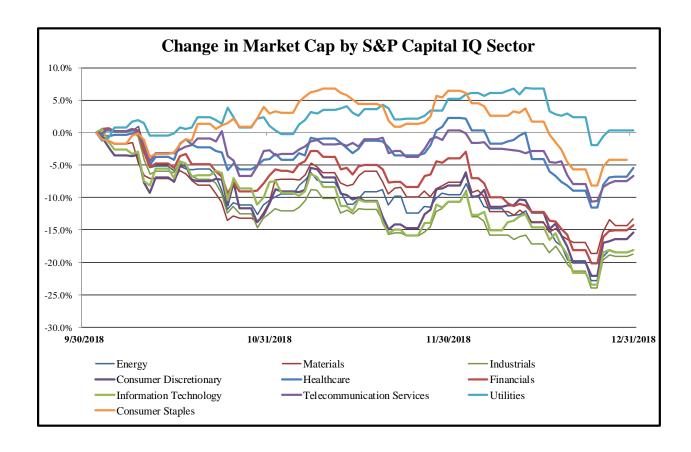
Recent M&A Activity in Healthcare Industry December 31, 2017 to December 31, 2018

(USD in millions)

			Target Company Primary	Implied
Close Date	Target	Acquirer	Industry	Enterprise Value
12/20/2018	Express Scripts Holding Company	Cigna Corporation	Health Care Services	\$68,671.41
3/7/2018	Bioverativ Inc.	Sanofi	Biotechnology	\$11,037.76
10/11/2018	Envision Healthcare Corporation	KKR & Co. L.P. (nka:KKR & Co. Inc.); KKR	Health Care Services	\$10,418.63
3/6/2018	Juno Therapeutics, Inc.	Celgene Corporation	Biotechnology	\$9,556.35
5/14/2018	AveXis, Inc.	Novartis AG	Biotechnology	\$8,109.52
2/28/2018	Impact Biomedicines, Inc.	Celgene Corporation	Life Sciences Tools and Services	\$7,000.00
7/26/2018	HCR ManorCare, Inc.	ProMedica Health System, Inc.	Health Care Facilities	\$6,142.17
11/16/2018	LifePoint Health, Inc.	RCCH HealthCare Partners	Health Care Facilities	\$5,598.11
8/27/2018	Cotiviti Holdings, Inc.	Verscend Technologies, Inc.	Health Care Technology	\$4,929.27
7/2/2018	Kindred Healthcare, Inc. (nka:Kindred Healthcare, LLC)	TPG Capital, L.P.; Welsh, Carson, Anderson &	Health Care Facilities	\$4,171.80
3/14/2018	American Medical Response, Inc.	Global Medical Response Inc.	Health Care Services	\$2,400.00
4/6/2018	Flatiron Health, Inc.	Roche Holding AG	Health Care Technology	\$2,173.91
10/1/2018	LifeScan, Inc.	Platinum Equity, LLC	Health Care Equipment	\$2,100.00
4/13/2018	Integrated DNA Technologies, Inc.	Danaher Corporation	Life Sciences Tools and Services	\$2,000.00
7/31/2018	Abaxis, Inc.	Zoetis Inc.	Health Care Equipment	\$1,827.84
2/7/2018	Ignyta, Inc.	Roche Holdings, Inc.	Biotechnology	\$1,823.78
12/21/2018	Endocyte, Inc.	Novartis AG	Pharmaceuticals	\$1,757.96
6/21/2018	ARMO BioSciences, Inc.	Eli Lilly and Company	Biotechnology	\$1,462.62
7/11/2018	Curo Health Services, LLC	TPG Capital, L.P.; Welsh, Carson, Anderson &	Health Care Facilities	\$1,400.00
11/9/2018	K2M Group Holdings, Inc.	Stryker Corporation	Health Care Equipment	\$1,339.96
4/2/2018	ABILITY Network Inc.	Inovalon Holdings, Inc.	Health Care Technology	\$1,200.00
2/13/2018	Sucampo Pharmaceuticals, Inc.	Mallinckrodt Public Limited Company	Pharmaceuticals	\$1,145.60
5/23/2018	Dendreon Pharmaceuticals, Inc.	Nanjing Xinjiekou Department Store Co., Ltd.	Pharmaceuticals	\$1,051.70
7/11/2018	VVC Holding Corp.	Veritas Capital Fund Management, LLC	Health Care Technology	\$1,050.00
6/11/2018	Benevir Biopharm, Inc.	Janssen Biotech, Inc.	Biotechnology	\$1,040.00
3/29/2018	Almost Family, Inc.	LHC Group, Inc.	Health Care Services	\$1,016.81
8/23/2018	Agilis Biotherapeutics, LLC	PTC Therapeutics, Inc.	Biotechnology	\$945.00
6/22/2018	Analogic Corporation	Altaris Capital Partners, LLC	Health Care Equipment	\$920.88
4/4/2018	Sarnova, Inc.	Patricia Industries	Health Care Distributors	\$903.00
1/23/2018	Argon Medical Devices Holdings, Inc.	Weigao International Medical Hong Kong Limited	Health Care Equipment	\$844.20
1/2/2018	H. D. Smith, LLC	AmerisourceBergen Corporation	Health Care Distributors	\$815.00
10/1/2018	GreatCall, Inc.	Best Buy Co., Inc.	Health Care Services	\$800.00
6/1/2018	Medical Specialties Distributors, LLC	McKesson Corporation	Health Care Distributors	\$800.00
4/3/2018	MPI Research Inc.	Charles River Laboratories International, Inc.	Life Sciences Tools and Services	\$800.00
2/1/2018	U.S. Healthworks, Inc.	Concentra, Inc.	Health Care Facilities	\$753.00
11/13/2018	MatrixCare, Inc.	ResMed Operations Inc.	Health Care Technology	\$750.00
2/1/2018	OU Medical Center	OU Medicine Inc.	Health Care Facilities	\$750.00
1/3/2018	RXC Acquisition Company	McKesson Specialty Health	Health Care Services	\$735.00
4/30/2018	Halyard Health, Inc., Substantially all of Surgical and Infection	Owens & Minor, Inc.	Health Care Supplies	\$710.00
2/14/2018	Exactech, Inc.	TPG Capital, L.P.	Health Care Equipment	\$709.62
9/5/2018	AdvancedMD, Inc.	Global Payments Inc.	Health Care Technology	\$700.00
2/28/2018	Entellus Medical, Inc.	Stryker Corporation	Health Care Equipment	\$663.94
9/20/2018	US Medical Dermatology Portfolio of Allergan plc	Almirall, LLC	Pharmaceuticals	\$650.00
10/16/2018	Augmenix, Inc.	Boston Scientific Corporation	Health Care Equipment	\$600.00
7/2/2018	American Technical Molding Inc./UTI Holdings LLC/Greatbatch	Viant Medical, LLC	Health Care Equipment	\$600.00
8/1/2018	Exosome Diagnostics, Inc.	Bio-Techne Corporation	Biotechnology	\$575.00
12/12/2018	Keryx Biopharmaceuticals, Inc.	Akebia Therapeutics, Inc.	Biotechnology	\$570.46
12/31/2018	Netsmart LLC.	AlpInvest Partners B.V.; TA Associates	Health Care Technology	\$567.97
8/6/2018	CBR Acquisition Holdings Corp.	GI Partners, LLC; GI Partners Fund V LP	Health Care Services	\$530.00
3/9/2018	Cascadian Therapeutics, Inc.	Seattle Genetics, Inc.	Biotechnology	\$529.81
12/31/2017	Cell Design Labs, Inc.	Kite Pharma, Inc.	Biotechnology	\$521.32
11/27/2018	Corium International, Inc.	Gurnet Point Capital Limited	Pharmaceuticals	\$492.51
10/25/2018	Advanced Bioprocessing Business Of Becton, Dickinson and	Thermo Fisher Scientific Inc.	Biotechnology	\$477.00
4/19/2018	Bolder Healthcare Solutions LLC	Cognizant Technology Solutions Corporation	Health Care Technology	\$477.00

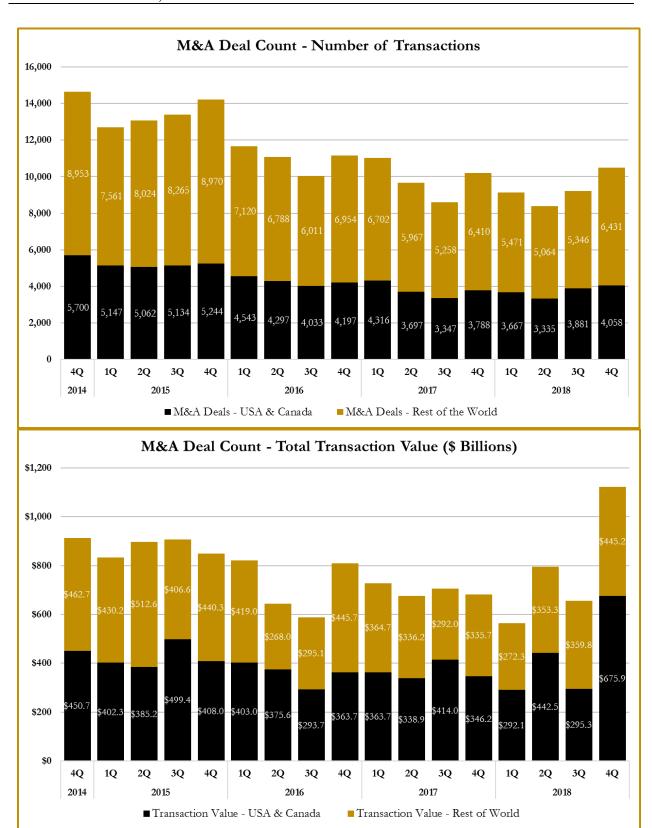
Source: Capital IQ

S&P Capital IQ - Sector Last 3 Month Equity Performance As of December 31, 2018

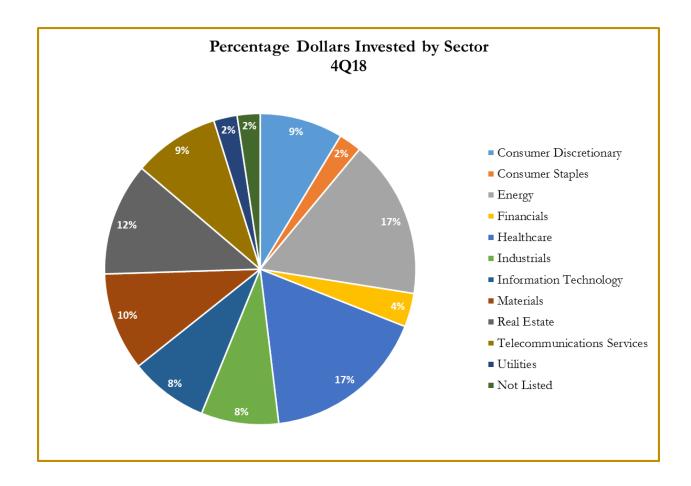


Note: The indices are derived from the equity performance of the S&P Capital IQ Sectors. Source: Capital IQ

M&A Deal Flow Statistics by S&P Capital IQ Sector As of December 31, 2018



M&A Deal Flow Statistics by S&P Capital IQ Sector As of December 31, 2018





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