BofA IG Healthcare Weekly

Vital Signs

Industry Overview

Healthcare highlights: HUM, CI

Humana lowered 2023 adjusted EPS guidance to \$26.09 from at least \$28.25, citing increased healthcare utilization in November and December. Specifically, Humana saw higher than anticipated inpatient utilization, as well as a further increase in non-inpatient trends in physician, outpatient surgeries, and supplemental benefits. Cigna announced that Brian Evanko will serve as President and Chief Executive Officer of Cigna Healthcare in addition to his current role as Chief Financial Officer of The Cigna Group. Ann Dennison was named Deputy Chief Financial Officer of The Cigna Group. Eric Palmer, current President and Chief Executive Officer of Evernorth Health Services, will also assume responsibility for enterprise strategy and corporate development.

Healthcare underperformed the IG Index last week

The ICE BofA IG Healthcare index underperformed the ICE BofA IG index, at -1.08% versus -0.76% on a total-return basis. Medical Products and Healthcare Services led other subsectors, with a total return of -0.93%. In Europe, Healthcare underperformed the ICE BofA EMU index, at -0.40% versus -0.26%.

YTD, Healthcare underperformed on total return

YTD, IG Healthcare has underperformed the ICE BofA IG index, at a total return of -1.45% versus -1.09%, and on an excess-return basis, IG Healthcare has outperformed, at 69 bps versus the index at 47 bps. IG Healthcare OAS was +79 bps versus the US Corp index at +101 bps. On a total-return basis, Healthcare Services performed the best within the IG Healthcare subsectors, at -1.06%; Medical Products ranked second, at -1.25%; Healthcare Facilities was the biggest laggard, at -1.92%.

Earnings Calendar: Four companies report this week

Exhibit 1: Q4'23 Earnings Calendar

Four companies report this week

Date	Weekday	Conf Call ET	Ticker	Company	Dial-in Number	Pin
1/23/2024	Tuesday	8:30:00 AM	JNJ	Johnson & Johnson	(877) 869-3847	N.A.
1/24/2024	Wednesday	8:30:00 AM	ELV	Elevance Health	(888) 947-9963	3972058
1/24/2024	Wednesday	9:00:00 AM	ABT	Abbott Labs	N.A.	N.A.
1/25/2024	Thursday	9:00:00 AM	HUM	Humana	(844) 543-0451	698335
Source: Blooml	berg					

22 January 2024

High Grade Credit United States Healthcare

Andrew Kaplan

Research Analyst BofAS +1 646 855 8748 andrew.kaplan@bofa.com

Vritika Patni

Research Analyst BofAS +1 646 855 7042 vritika.patni@bofa.com

Abbreviations

HUM Humana CI Cigna

BofA GLOBAL RESEARCH

IG Investment Grade
OAS Option-adjusted spread

YTD Year to date

BofA Securities does and seeks to do business with issuers covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

Refer to important disclosures on page 9 to 11.

Returns Summary

Table 1: Healthcare & Corporate Indices Returns Summary

The ICE BofA IG Healthcare index underperformed the ICE BofA IG index, at -1.08% versus -0.76% on a total-return basis.

		Total Returns					Excess Returns					
	1 week	MTD	QTD	YTD	12 month	1 week	MTD	QTD	YTD	12 month		
US Corp Master	-0.76%	-1.09%	-1.09%	-1.09%	2.80%	27 bps	47 bps	47 bps	47 bps	407 bps		
Healthcare Index	-1.08%	-1.45%	-1.45%	-1.45%	1.04%	28 bps	69 bps	69 bps	69 bps	377 bps		
Pharmaceuticals	-1.05%	-1.41%	-1.41%	-1.41%	0.67%	30 bps	72 bps	72 bps	72 bps	343 bps		
Medical Products	-0.93%	-1.25%	-1.25%	-1.25%	2.09%	22 bps	48 bps	48 bps	48 bps	357 bps		
Managed Care	-1.19%	-1.57%	-1.57%	-1.57%	0.90%	21 bps	64 bps	64 bps	64 bps	380 bps		
Healthcare Services	-0.93%	-1.06%	-1.06%	-1.06%	2.20%	16 bps	58 bps	58 bps	58 bps	372 bps		
Healthcare Facilities	-1.32%	-1.92%	-1.92%	-1.92%	0.81%	42 bps	91 bps	91 bps	91 bps	530 bps		
Sterling Corporate Securities Index	-0.71%	-2.48%	-2.48%	-2.48%	3.05%	-11 bps	-6 bps	-6 bps	-6 bps	366 bps		
Sterling Healthcare	-1.14%	-3.86%	-3.86%	-3.86%	0.60%	-27 bps	-60 bps	-60 bps	-60 bps	234 bps		
EMU Corp	-0.26%	-1.16%	-1.16%	-1.16%	3.79%	11 bps	6 bps	6 bps	6 bps	288 bps		
Euro Healthcare	-0.40%	-1.51%	-1.51%	-1.51%	1.91%	7 bps	0 bps	0 bps	0 bps	159 bps		

Source: ICE Data Indices, LLC BofA GLOBAL RESEARCH

Source: ICE Data Indices, LLC

Table 2: Healthcare Index StatisticsIG Healthcare OAS was +79 bps versus the US Corp index at +101 bps.

	Rating	# of Issues	% of Index	Avg Issue Size	Yield to Worst	OAS	Effective Duration	Spread Duration
US Corp Master	A3	10160	100.00%	799	5.34%	101 bps	6.7	6.7
Healthcare Index	A3	860	9.50%	897	5.11%	79 bps	8.3	8.2
Pharmaceuticals	A2	316	4.72%	1211	5.02%	69 bps	8.3	8.2
Medical Products	BBB1	119	1.06%	725	5.03%	76 bps	7.3	7.3
Managed Care	A3	150	1.71%	927	5.13%	81 bps	8.5	8.4
Healthcare Services	BBB2	69	0.89%	1051	5.24%	93 bps	7.0	6.9
Healthcare Facilities	A3	206	1.12%	440	5.43%	105 bps	10.1	10.0
Sterling Corporate Securities Index	A3	964	100.00%	399	5.59%	137 bps	6.2	6.3
Sterling Healthcare	A3	15	2.04%	523	4.87%	68 bps	8.3	8.1
EMU Corp	A3	4205	100.00%	683	3.89%	135 bps	4.4	4.6
Euro Healthcare	A3	210	5.25%	718	3.53%	110 bps	5.5	5.5



M&A YTD

Exhibit 2: 2024 Mergers & Acquisitions \$7.3 bn of M&A has been announced YTD

Announce Dat	e Acquirer	Target	Total Value USD (mm)	TV/EBITDA	TV/Sales
1/8/2024	Johnson & Johnson	Ambrx Biopharma, Inc.	\$1,900	=	-
1/8/2024	Merck	Harpoon Therapuetics	\$680	-	-
1/8/2024	Boston Scientific	Axonics Bio, Inc.	\$3,700	107.25x	8.36x
1/9/2024	GSK plc	Aiolos Bio, Inc.	\$1,000	-	-
	Total		\$7,280		

Source: Bloomberg, company reports

BofA GLOBAL RESEARCH

2024 Debt Maturities

Exhibit 3: 2024 Maturities

\$59.7 billion of bonds mature in 2024.

			Amount
Company	Coupon	Maturity	Outstanding USD
Pfizer Inc	6.450%	2/1/2024	\$500
UnitedHealth Group Inc	3.500%	2/15/2024	\$750
Boston Scientific Corp	3.450%	3/1/2024	\$504
Roche Holding AG	0.450%	3/5/2024	\$500
Roche Holding AG	FRN	3/5/2024	\$350
Merck & Co Inc	2.900%	3/7/2024	\$750
Roche Holding AG	1.882%	3/8/2024	\$1,250
Pfizer Inc	2.950%	3/15/2024	\$750
Cigna Group	0.613%	3/15/2024	\$500
McKesson Corp	3.796%	3/15/2024	\$647
Danaher Corp	1.700%	3/30/2024	\$979
Gilead Sciences Inc	3.700%	4/1/2024	\$1,750
Quest Diagnostics Inc	4.250%	4/1/2024	\$300
Sanofi SA	0.625%	4/5/2024	\$653
Novartis AG	3.400%	5/6/2024	\$2,150
AstraZeneca PLC	0.750%	5/12/2024	\$979
Bristol-Myers Squibb Co	3.625%	5/15/2024	\$395
Pfizer Inc	3.400%	5/15/2024	\$1,000
UnitedHealth Group Inc	0.550%	5/15/2024	\$1,000
Baxter International Inc	0.400%	5/15/2024	\$816
Becton Dickinson & Co	3.875%	5/15/2024	\$144
Stryker Corp	3.375%	5/15/2024	\$600
Cencora Inc	3.400%	5/15/2024	\$500
AbbVie Inc	1.375%	5/17/2024	\$1,578
Johnson & Johnson	0.650%	5/20/2024	\$816
Amgen Inc	3.625%	5/22/2024	\$1,400
Eli Lilly & Co	0.150%	5/24/2024	\$690
AstraZeneca PLC	0.700%	5/28/2024	\$1,600
AbbVie Inc	1.250%	6/1/2024	\$761
GSK PLC	3.000%	6/1/2024	\$1,000
Becton Dickinson & Co	3.363%	6/6/2024	\$998
AbbVie Inc	3.850%	6/15/2024	\$1,037
Cigna Group	3.500%	6/15/2024	\$1,000
Cardinal Health Inc	3.079%	6/15/2024	\$750
Viatris Inc	1.023%	6/23/2024	\$816
Bristol-Myers Squibb Co	2.900%	7/26/2024	\$2,478
CVS Health Corp	3.375%	8/12/2024	\$650
CVS Health Corp	2.625%	8/15/2024	\$1,000
Elevance Health Inc	3.500%	8/15/2024	\$800
UnitedHealth Group Inc	2.375%	8/15/2024	\$750
Laboratory Corp of America	3.250%	9/1/2024	\$600
Thermo Fisher Scientific Inc	0.750%	9/12/2024	\$1,088
Roche Holding AG	0.100%	9/23/2024	\$863
Roche Holding AG	3.350%	9/30/2024	\$589
Humana Inc	3.850%	10/1/2024	\$600
UnitedHealth Group Inc	5.000%	10/15/2024	\$500
Thermo Fisher Scientific Inc	1.215%	10/18/2024	\$2,500



Exhibit 3: 2024 Maturities \$59.7 billion of bonds mature in 2024.

Company	Coupon	Maturity	Amount Outstanding USD
Merck & Co Inc	0.500%	11/2/2024	\$544
Johnson & Johnson	5.500%	11/6/2024	\$634
CVS Health Corp	3.500%	11/15/2024	\$750
Danaher Corp	2.200%	11/15/2024	\$700
Cardinal Health Inc	3.500%	11/15/2024	\$400
GE HealthCare Technologies Inc	5.550%	11/15/2024	\$1,000
Stryker Corp	FRN	11/16/2024	\$544
Abbott Laboratories	0.100%	11/19/2024	\$642
AbbVie Inc	2.600%	11/21/2024	\$3,750
Viatris Inc	2.250%	11/22/2024	\$1,088
Zimmer Biomet Holdings Inc	1.450%	11/22/2024	\$850
Baxter International Inc	1.322%	11/29/2024	\$1,400
Baxter International Inc	FRN	11/29/2024	\$300
CVS Health Corp	5.000%	12/1/2024	\$300
Elevance Health Inc	3.350%	12/1/2024	\$850
Laboratory Corp of America	2.300%	12/1/2024	\$400
GSK PLC	1.375%	12/2/2024	\$1,088
Stryker Corp	0.250%	12/3/2024	\$925
Becton Dickinson & Co	3.734%	12/15/2024	\$875
Total			\$59,670

Source: Bloomberg, company data



Earnings Calendar

Exhibit 4: Q4'23 Earnings Calendar Four companies report this week

Date	Weekday	Conf Call ET	Ticker	Company	Dial-in Number	Pin
1/23/2024	Tuesday	8:30:00 AM	JNJ	Johnson & Johnson	(877) 869-3847	N.A.
1/24/2024	Wednesday	8:30:00 AM	ELV	Elevance Health	(888) 947-9963	3972058
1/24/2024	Wednesday	9:00:00 AM	ABT	Abbott Labs	N.A.	N.A.
1/25/2024	Thursday	9:00:00 AM	HUM	Humana	(844) 543-0451	698335
1/30/2024	Tuesday	8:00:00 AM	DHR	Danaher	(800) 245-3047	DHRQ423
1/30/2024	Tuesday	10:00:00 AM	HCA	HCA Inc	N.A.	N.A.
1/30/2024	Tuesday	10:00:00 AM	PFE	Pfizer	(800) 456-4352	84692
1/30/2024	Tuesday	4:30:00 PM	SYK	Stryker	N.A.	N.A.
1/31/2024	Wednesday	6:00:00 AM	GSK	GSK	N.A.	N.A.
1/31/2024	Wednesday	8:00:00 AM	BSX	Boston Scientific	N.A.	N.A.
1/31/2024	Wednesday	8:00:00 AM	TEVA	Teva Pharmaceuticals	(800) 249-2588	319343
1/31/2024	Wednesday	8:00:00 AM	NOVN SW	Novartis	N.A.	N.A.
1/31/2024	Wednesday	8:30:00 AM	COR	Cencora	(833) 470-1428	457478
1/31/2024	Wednesday	8:30:00 AM	TMO	Thermo Fisher Scientific	(833) 470-1428	718426
1/31/2024 (E)	,		NOVO	Novo Nordisk	N.A.	N.A.
2/1/2024	Thursday	8:00:00 AM	BDX	Becton Dickinson	N.A.	N.A.
2/1/2024	Thursday	8:00:00 AM	ROG SW	Roche Holding	N.A.	N.A.
2/1/2024	Thursday	8:00:00 AM	RVTY	Revvity	N.A.	N.A.
2/1/2024	Thursday	8:30:00 AM	CAH	Cardinal Health	N.A.	N.A.
2/1/2024	Thursday	8:30:00 AM	SAN FP	Sanofi	N.A.	N.A.
2/1/2024	Thursday	8:30:00 AM	DGX	Quest Diagnostics	(888) 455-0391	7895081
2/1/2024	Thursday	9:00:00 AM	MRK	Merck & Co.	N.A.	N.A.
2/2/2024	Friday	8:00:00 AM	BMY	Bristol-Myers Squibb	(833) 816-1116	00140
2/2/2024	Friday	8:30:00 AM	CI	Cigna	(888) 566-1889	2022024
2/2/2024	Friday	8:30:00 AM	REGN	Regeneron	N.A.	N.A.
2/2/2024	Friday	9:00:00 AM	ABBV	AbbVie Pharmaceuticals	N.A.	N.A.
2/6/2024	Tuesday	8:30:00 AM	GEHC	GE Healthcare	N.A.	N.A.
2/6/2024	Tuesday	8:30:00 AM	CNC	Centene	N.A.	N.A.
2/6/2024	Tuesday	10:00:00 AM	LLY	Eli Lilly	N.A.	N.A.
2/6/2024	Tuesday	4:30:00 PM	AMGN	Amgen	N.A.	N.A.
2/6/2024	Tuesday	5:00:00 PM	GILD	Gilead Sciences	N.A.	N.A.
2/7/2024	Wednesday	8:00:00 AM	CVS	CVS Health	N.A.	N.A.
2/7/2024	Wednesday	4:30:00 PM	MCK	McKesson	N.A.	N.A.
2/8/2024	Thursday	6:45:00 AM	AZN	AstraZeneca	N.A.	N.A.
2/8/2024	Thursday	8:30:00 AM	ZBH	Zimmer Holdings	(888) 204-4368	5103691
2/8/2024	Thursday	8:30:00 AM	BAX	Baxter	(888) 330-2354	36521
2/8/2024	Thursday	5:00:00 PM	ILMN	Illumina	(877) 400-0505	1615812
2/8/2024	Thursday (E)		STE	Steris	N.A.	N.A.
2/13/2024	Tuesday	8:00:00 AM	BIIB	Biogen	N.A.	N.A.
2/13/2024	Tuesday	8:30:00 AM	ZTS	Zoetis	N.A.	N.A.
2/15/2024	Thursday	9:00:00 AM	LH	Labcorp	(844) 543-0451	821557
2/15/2024	Thursday		RPRX	Royalty Pharma	N.A.	N.A.
2/20/2024	Tuesday	8:00:00 AM	MDT	Medtronic	N.A.	N.A.
2/26/2024	Monday	5:30:00 PM	ALC	Alcon	N.A.	N.A.
2/27/2024	Tuesday (E)		VTRS	Viatris	N.A.	N.A.
2/28/2024	Wednesday (E)		Α	Agilent	N.A.	N.A.
2/28/2024	Wednesday (E)		XRAY	Dentsply Sirona	N.A.	N.A.
3/7/2024	Thursday (E)		MRK GR	Merck KGaA	N.A.	N.A.
3/13/2024	Wednesday (E)		SDZ SW	Sandoz	N.A.	N.A.
c DI I	ora *E cianifice octin	1				

Source: Bloomberg *E signifies estimated



Exhibit 5: BofA Global Research Investment Grade Pharmaceuticals Pricing Sheet Pharmaceuticals Pricing Sheet

Moody's/S&P/Fitch OAS **Price Duration** Price Yield **Bid Spread Z Spread G** Spread Description Amt AbbVie Inc. 54 bps ABBV 3.2 29 \$5,437 92.75 A3/A-5.19 \$92.75 4.634% 57 bps 84 bps 55 bps \$89.00 ABBV 4.05 39 \$4,000 89.00 A3/A-11.18 5.068% 92 bps 123 bps 70 bps 71 bps ABBV 4.25 49 \$5,745 86.88 A3/A-14.64 \$86.88 5.177% 80 bps 142 bps 75 bps 76 bps Amgen Inc. AMGN 5.25 33 \$4,250 100.81 Baa1/BBB+/BBB 6.88 \$100.81 5.135% 99 bps 134 bps 97 bps 100 bps AMGN 5.65 53 \$4,250 101.94 Baa1/BBB+/BBB 13.94 \$101.94 5.514% 114 bps 178 bps 113 bps 114 bps AstraZeneca 7.02 84 bps 101.74 \$101.74 49 bps AZN 4.875 33 \$500 A2/A/A-4.634% 47 bps 50 bps AZN 3 51 \$750 71.31 A2/A/A-16.54 \$71.31 4.919% 54 bps 120 bps 51 bps 52 bps Biogen Inc. BIIB 2.25 30 \$1,500 84.60 Baa2/BBB+ 5.66 \$84.60 5.154% 109 bps 137 bps 106 bps 106 bps BIIB 3.15 50 \$1,500 67.63 Baa2/BBB+ 15.45 \$67.63 5.492% 111 bps 175 bps 108 bps 108 bps Bristol Myers \$1,000 106.72 7.26 \$106.72 5.006% 84 bps A2/A 86 bps 121 bps 86 bps BMY 5.9 33 BMY 3.55 42 \$79.75 \$1,250 79.75 A2/A 12.35 5 301% 81 bps 146 bps 85 bps 87 bps 107 bps 107 bps BMY 6.25 53 \$1,250 111.72 A2/A 14.03 \$111.72 5.444% 107 bps 172 bps \$1,250 113.35 A2/A 15.39 \$113.35 5.560% 118 bps 196 bps 120 bps 120 bps BMY 6.4 63 Gilead Sciences Inc. GILD 5.25 33 \$1,000 102.88 A3/BBB+ 7.31 \$102.88 4.867% 72 bps 107 bps 70 bps 72 bps 82 bps \$1,000 105.31 A3/BBB+ 14.49 \$105.31 5.194% 82 bps GILD 5.55 53 81 bps 147 bps **GSK PLC** 58 bps 31 bps GSK 3.375 29 \$1.000 95.23 A2/A 4.80 \$95.23 4.384% 32 bps 30 bps GSK 4.2 43 \$500 89.88 A2/A 12.46 \$89.88 5.029% 54 bps 119 bps 56 bps 56 bps Johnson & Johnson 9.44 JNJ 3.55 36 \$1,000 90.06 Aaa/AAA \$90.06 4.631% 48 bps 81 bps 39 bps 40 bps \$1,000 84.06 14.29 \$84.06 JNJ 3.75 47 Aaa/AAA 4.911% 42 bps 112 bps 44 bps 46 bps JNJ 3.5 48 \$750 80.56 Aaa/AAA 15.06 \$80.56 4.885% 51 bps 111 bps 43 bps 45 bps Eli Lilly \$1,000 7.05 \$100.73 4.598% LLY 4.7 33 100.73 A1/A+ 45 bps 81 bps 43 bps 46 bps \$1,250 99.59 A1/A+ 15.13 \$99.59 4.902% 52 bps 119 bps 51 bps 53 bps LLY 4.875 53 Merck MRK 4.5 33 \$1,500 98.44 A1/A+ 7.46 \$98.44 4.708% 56 bps 92 bps 55 bps 57 bps 15.05 \$98.50 5.099% \$1,500 98.50 A1/A+ 72 bps 73 bps MRK 5 53 139 bps 72 bps \$1,000 99.82 A1/A+ 16.62 \$99.82 5.160% 78 bps 159 bps 79 bps 80 bps MRK 5 15 63 Merck KGaA 1.10 \$97.50 5.504% MRKGR 3.25 25 \$1,600 97.50 A3/A 112 bps 82 bps 86 bps 77 bps Novartis NOVNVX 2.2 30 \$1,500 87.18 A1/AA-/AA-u 5.91 \$87.18 4.478% 42 bps 70 bps 38 bps 37 bps NOVNVX 2.75 50 \$1,250 68.38 A1/AA-/AA-u 16.47 \$68.38 4.889% 51 bps 116 bps 47 bps 48 bps Pfizer PFE 4.75 33 \$5,000 98.63 A2/A/Au 7.38 \$98.63 4.935% 79 bps 114 bps 77 bps 79 bps PFE 5.3 53 \$6,000 99.63 A2/A/Au 14.64 \$99.63 5.325% 95 bps 161 bps 94 bps 96 bps Roche Holdings ROSW 5.593 33 \$1,600 105.54 Aa2/AA/AA 7.34 \$105.54 4.860% 71 bps 106 bps 70 bps 71 bps ROSW 2.607 51 \$2,000 64.08 Aa2/AA/AA 17.17 \$64.08 5.012% 63 bps 131 bps 62 bps 62 bps Royalty Pharma \$600 5.274% 113 bps 150 bps 80.63 Baa3/BBB-/BBB-6.73 \$80.63 115 bps 115 bps RPRX 2.15 31 RPRX 3.35 51 \$700 66.00 Baa3/BBB-/BBB-15.06 \$66.00 5.846% 147 bps 212 bps 145 bps 145 bps Viatris VTRS 2.7 30 84.91 Baa3/BBB-/BBB \$84.91 5.527% 146 bps 174 bps 143 bps 143 bps \$1,450 5.71 VTRS 5.2 48 \$750 82.25 Baa3/BBB-/BBB 12.34 \$82.25 6.689% 231 bps 290 bps 226 bps 226 bps Zoetis Inc \$85.22 \$750 85.22 5.76 ZTS 230 Baa1/BBB 4.736% 67 bps 95 bps 65 bps 64 bps 16.02 \$69.56 5.118% ZTS 3 50 \$500 69.56 Baa1/BBB 74 bps 138 bps 70 bps 71 bps

 $\textbf{Source:} \ \textbf{Company reports, Bloomberg.} \ \textbf{U} \ \textbf{refers to an unsolicited rating by Fitch.}$



Exhibit 6: BofA Global Research Investment Grade Clinical Lab Pricing Sheet Clinical Lab Pricing Sheet

Description	Amt.	Price	Moody's/S&P/Fitch	Duration	Price	Yield	Bid Spread	Z Spread	OAS	G Spread
Laboratory Corp										
LH 2.95 29	\$650	89.55	Baa2/BBB	5.23	\$89.55	5.032%	97 bps	124 bps	95 bps	95 bps
LH 4.7 45	\$900	90.72	Baa2/BBB	12.51	\$90.72	5.447%	96 bps	163 bps	96 bps	97 bps
Quest Diagnostics										
DGX 6.4 33	\$750	108.96	Baa2/BBB+/BBB	7.15	\$108.96	5.202%	105 bps	140 bps	104 bps	106 bps
DGX 4.7 45	\$300	89.34	Baa2/BBB+/BBB	12.60	\$89.34	5.562%	107 bps	174 bps	108 bps	109 bps

Source: Company reports, Bloomberg.

BofA GLOBAL RESEARCH

Exhibit 7: BofA Global Research Investment Grade Managed Care Pricing Sheet

Managed Care Pricing Sheet

Description	Amt.	Price	Moody's/S&P/Fitch	Duration	Price	Yield	Bid Spread	Z Spread	OAS	G Spread
Cigna										
CI 1.25 26	\$800	92.49	Baa1/A-/BBB+	2.06	\$92.49	4.986%	60 bps	82 bps	67 bps	64 bps
CI 5.4 33	\$800	102.51	Baa1/A-/BBB+	6.90	\$102.51	5.046%	90 bps	125 bps	89 bps	91 bps
CI 3.4 51	\$1,500	71.52	Baa1/A-/BBB+	15.38	\$71.52	5.414%	104 bps	169 bps	101 bps	102 bps
CVS										
CVS 5.25 33	\$1,750	100.31	Baa2/BBB	6.85	\$100.31	5.206%	106 bps	141 bps	104 bps	107 bps
CVS 5.625 53	\$1,250	98.63	Baa2/BBB	13.80	\$98.63	5.722%	134 bps	200 bps	134 bps	135 bps
Elevance Health										
ELV 4.75 33	\$1,000	98.44	Baa2/A/BBB	7.12	\$98.44	4.966%	82 bps	117 bps	80 bps	83 bps
ELV 5.125 53	\$1,100	96.81	Baa2/A/BBB	14.46	\$96.81	5.342%	96 bps	162 bps	96 bps	97 bps
Humana										
HUM 5.95 34	\$850	105.44	Baa2/BBB+/BBB	7.40	\$105.44	5.239%	109 bps	144 bps	107 bps	109 bps
HUM 5.5 53	\$750	100.13	Baa2/BBB+/BBB	14.08	\$100.13	5.491%	111 bps	176 bps	111 bps	111 bps
UnitedHealth										
UNH 4.25 29	\$1,250	98.67	A2/A+/A	4.43	\$98.67	4.552%	49 bps	73 bps	48 bps	49 bps
UNH 4.5 33	\$1,500	97.56	A2/A+/A	7.36	\$97.56	4.830%	68 bps	104 bps	67 bps	69 bps
UNH 5.05 53	\$2,000	97.26	A2/A+/A	14.79	\$97.26	5.233%	85 bps	152 bps	85 bps	86 bps
UNH 5.2 63	\$1,750	98.12	A2/A+/A	16.24	\$98.12	5.314%	94 bps	174 bps	95 bps	95 bps

Source: Company reports, Bloomberg.



Exhibit 8: BofA Global Research Investment Grade Medical Products Pricing Sheet

Medical Products Pricing Sheet

Description	Amt.	Price	Moody's/S&P/Fitch	Duration	Price	Yield	Bid Spread	Z Spread	OAS	G Spread
Abbott Labs			•				•	-		
ABT 1.4 30	\$650	83.04	Aa3/AA-	6.00	\$83.04	4.461%	40 bps	68 bps	37 bps	36 bps
ABT 4.9 46	\$3,250	99.00	Aa3/AA-	13.51	\$99.00	4.973%	48 bps	118 bps	50 bps	52 bps
Agilent Technologies							'	'	'	'
A 3.05 26	\$300	95.60	Baa1/BBB+/BBB+	2.49	\$95.60	4.830%	45 bps	78 bps	59 bps	60 bps
A 2.75 29	\$500	90.36	Baa1/BBB+/BBB+	5.07	\$90.36	4.714%	65 bps	92 bps	63 bps	63 bps
A 2.3 31	\$850	84.86	Baa1/BBB+/BBB+	6.35	\$84.86	4.833%	68 bps	106 bps	72 bps	72 bps
Alcon							'	'	'	'
ALCSW 2.6 30	\$750	86.60	Baa2/BBB+	5.68	\$86.60	5.097%	104 bps	131 bps	100 bps	100 bps
ALCSW 3.8 49	\$500	78.01	Baa2/BBB+	14.66	\$78.01	5.392%	101 bps	164 bps	97 bps	98 bps
Baxter							'	'	'	'
BAX 3.132 51	\$750	66.25	Baa2/BBB/BBB-	15.90	\$66.25	5.518%	114 bps	180 bps	113 bps	113 bps
BAX 2.539 32	\$1,540	82.94	Baa2/BBB/BBB-	6.94	\$82.94	5.164%	102 bps	138 bps	103 bps	104 bps
Becton Dickinson							'	'		'
BDX 1.957 31	\$1,000	82.19	Baa2/BBB/BBB	6.34	\$82.19	4.984%	84 bps	121 bps	87 bps	87 bps
BDX 3.794 50	\$560	77.81	Baa2/BBB/BBB	14.96	\$77.81	5.379%	100 bps	164 bps	96 bps	97 bps
Boston Scientific										
BSX 1.9 25	\$500	95.87	Baa1/BBB+/BBB+	1.31	\$95.87	5.092%	71 bps	53 bps	51 bps	45 bps
BSX 2.65 30	\$1,200	88.42	Baa1/BBB+/BBB+	5.69	\$88.42	4.783%	72 bps	100 bps	69 bps	68 bps
BSX 4.55 39	\$450	93.88	Baa1/BBB+/BBB+	10.46	\$93.88	5.137%	99 bps	129 bps	80 bps	81 bps
BSX 4.7 49	\$650	90.75	Baa1/BBB+/BBB+	13.80	\$90.75	5.375%	100 bps	161 bps	94 bps	95 bps
Danaher							·			
DHR 2.6 29	\$800	89.66	A3/A-	5.25	\$89.66	4.651%	59 bps	86 bps	57 bps	57 bps
DHR 3.25 39	\$900	81.13	A3/A-	11.66	\$81.13	4.990%	84 bps	115 bps	62 bps	64 bps
DHR 3.4 49	\$900	75.50	A3/A-	15.42	\$75.50	5.121%	74 bps	137 bps	69 bps	71 bps
Medtronic								•	·	,
MDT 4.5 33	\$1,000	98.31	A3/A	7.33	\$98.31	4.728%	58 bps	94 bps	57 bps	59 bps
MDT 4.625 45	\$1,813	95.13	A3/A	12.95	\$95.13	5.001%	51 bps	118 bps	53 bps	53 bps
Stryker							·			
SYK 1.15 25	\$650	94.80	Baa1/BBB+	1.35	\$94.80	5.060%	68 bps	53 bps	50 bps	43 bps
SYK 1.95 30	\$1,000	84.75	Baa1/BBB+	5.85	\$84.75	4.741%	68 bps	96 bps	65 bps	64 bps
SYK 2.9 50	\$650	68.69	Baa1/BBB+	16.27	\$68.69	5.063%	68 bps	133 bps	64 bps	66 bps
Thermo Fisher Scientific							·			
TMO 5.2 34	\$500	103.13	A3/A-/A-	7.59	\$103.13	4.794%	65 bps	100 bps	63 bps	65 bps
TMO 4.1 47	\$750	85.75	A3/A-/A-	13.94	\$85.75	5.151%	66 bps	137 bps	69 bps	71 bps
Zimmer Holdings							•	•	•	
ZBH 3.05 26	\$600	96.50	Baa2/BBB/BBB	1.89	\$96.50	4.929%	54 bps	68 bps	55 bps	55 bps
ZBH 3.55 30	\$258	90.61	Baa2/BBB/BBB	5.33	\$90.61	5.359%	130 bps	157 bps	126 bps	127 bps
ZBH 4.45 45	\$395	87.40	Baa2/BBB/BBB	12.86	\$87.40	5.450%	96 bps	164 bps	97 bps	98 bps

Source: Company reports, Bloomberg.

BofA GLOBAL RESEARCH

Exhibit 9: BofA Global Research Investment Grade Distributors Pricing Sheet Distributors Pricing Sheet

Description	Amt.	Price	Moody's/S&P/Fitch	Duration	Price	Yield	Bid Spread	Z Spread	OAS	G Spread
Cencora										
COR 2.7 31	\$1,000	86.23	Baa2/BBB+/A-	6.26	\$86.23	5.017%	87 bps	124 bps	90 bps	90 bps
COR 4.3 47	\$500	86.91	Baa2/BBB+/A-	14.03	\$86.91	5.270%	78 bps	149 bps	82 bps	83 bps
Cardinal Health										
CAH 3.41 27	\$1,222	95.59	Baa2/BBB/BBB	3.14	\$95.59	4.834%	67 bps	91 bps	68 bps	69 bps
McKesson										
MCK 4.75 29	\$196	99.58	Baa1/BBB+/A-	4.64	\$99.58	4.839%	78 bps	103 bps	73 bps	77 bps
MCK 4.883 44	\$255	89.38	Baa1/BBB+/A-	12.01	\$89.38	5.782%	129 bps	195 bps	129 bps	130 bps

Source: Company reports, Bloomberg.

BofA GLOBAL RESEARCH



8

Disclosures

Important Disclosures

BofA Global Research Credit Opinion Key

BofA Global Research provides recommendations on an issuer's bonds (including corporate and sovereign external debt securities), loans, capital securities, equity preferreds and CDS as described below. Convertible securities are not rated. An issuer level recommendation may also be provided for an issuer as explained below. BofA Global Research credit recommendations are assigned using a three-month time horizon.

Issuer Recommendations: If an issuer credit recommendation is provided, it is applicable to bonds and capital securities of the issuer except bonds and capital securities specifically referenced in the report with a different credit recommendation. Where there is no issuer credit recommendation, only individual bonds and capital securities with specific recommendations are covered. Loans, CDS and equity preferreds are rated separately and issuer recommendations do not apply to them.

BofA Global Research credit recommendations are assigned using a three-month time horizon:

Overweight: Spreads and /or excess returns are likely to outperform the relevant and comparable market over the next three months.

Marketweight: Spreads and/or excess returns are likely to perform in-line with the relevant and comparable market over the next three months.

Underweight: Spreads and/or excess returns are likely to underperform the relevant and comparable market over the next three months.

BofA Global Research uses the following rating system with respect to Credit Default Swaps (CDS):

Buy Protection: Buy CDS, therefore going short credit risk. **Neutral:** No purchase or sale of CDS is recommended. **Sell Protection:** Sell CDS, therefore going long credit risk.

BofA Global Research personnel (including the analyst(s) responsible for this report) receive compensation based upon, among other factors, the overall profitability of Bank of America Corporation, including profits derived from investment banking. The analyst(s) responsible for this report may also receive compensation based upon, among other factors, the overall profitability of the Bank's sales and trading businesses relating to the class of securities or financial instruments for which such analyst is responsible.

BofA Securities fixed income analysts regularly interact with sales and trading desk personnel in connection with their research, including to ascertain pricing and liquidity in the fixed income markets.

Other Important Disclosures

From time to time research analysts conduct site visits of covered issuers. BofA Global Research policies prohibit research analysts from accepting payment or reimbursement for travel expenses from the issuer for such visits.

Prices are indicative and for information purposes only. Except as otherwise stated in the report, for any recommendation in relation to an equity security, the price referenced is the publicly traded price of the security as of close of business on the day prior to the date of the report or, if the report is published during intraday trading, the price referenced is indicative of the traded price as of the date and time of the report and in relation to a debt security (including equity preferred and CDS), prices are indicative as of the date and time of the report and are from various sources including BofA Securities trading desks.

The date and time of completion of the production of any recommendation in this report shall be the date and time of dissemination of this report as recorded in the report timestamp.

This report may refer to fixed income securities or other financial instruments that may not be offered or sold in one or more states or jurisdictions, or to certain categories of investors, including retail investors. Readers of this report are advised that any discussion, recommendation or other mention of such instruments is not a solicitation or offer to transact in such instruments. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor for information relating to such instruments.

Rule 144A securities may be offered or sold only to persons in the U.S. who are Qualified Institutional Buyers within the meaning of Rule 144A under the Securities Act of 1933, as amended.

SECURITIES OR OTHER FINANCIAL INSTRUMENTS DISCUSSED HEREIN MAY BE RATED BELOW INVESTMENT GRADE AND SHOULD THEREFORE ONLY BE CONSIDERED FOR INCLUSION IN ACCOUNTS QUALIFIED FOR SPECULATIVE INVESTMENT.

Recipients who are not institutional investors or market professionals should seek the advice of their independent financial advisor before considering information in this report in connection with any investment decision, or for a necessary explanation of its contents.

The securities or other financial instruments discussed in this report may be traded over-the-counter. Retail sales and/or distribution of this report may be made only in states where these instruments are exempt from registration or have been qualified for sale.

Officers of BofAS or one or more of its affiliates (other than research analysts) may have a financial interest in securities of the issuer(s) or in related investments.

This report, and the securities or other financial instruments discussed herein, may not be eligible for distribution or sale in all countries or to certain categories of investors, including retail investors.

Information relating to Affiliates of BofAS, MLPF&S and Distribution of Affiliate Research Reports:

Refer to BofA Global Research policies relating to conflicts of interest

"BofA Securities" includes BofA Securities, Inc. ('BofAS') and its affiliates. Investors should contact their BofA Securities representative or Merrill Global Wealth Management financial advisor if they have questions concerning this report or concerning the appropriateness of any investment idea described herein for such investor. "BofA Securities" is a global brand for BofA Global Research.

BofAS and/or Merrill Lynch, Pierce, Fenner & Smith Incorporated ("MLPF&S") may in the future distribute, information of the following non-US affiliates in the US (short name: legal name, regulator): Merrill Lynch (South Africa): Merrill Lynch South Africa (Pty) Ltd., regulated by The Financial Service Board; MLI (UK): Merrill Lynch International, regulated by the Financial Conduct Authority (FCA) and the Prudential Regulation Authority (PRA); BofASE (France): BofA Securities Europe SA is authorized by the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers (AMF). BofA Securities Europe SA ("BofASE") with registered address at 51, rue La Boétie, 75008 Paris is registered under no 842 602 690 RCS Paris. In accordance with the provisions of French Code Monétaire et Financier (Monetary and Financial Code), BofASE is an établissement de crédit et d'investissement (credit and investment institution) that is authorised and supervised by the European Central Bank and the Autorité de Contrôle Prudentiel et de Résolution (ACPR) and regulated by the ACPR and the Autorité des Marchés Financiers. BofASE's share capital can be found at www.bofaml.com/BofASEdisclaimer; BofA Europe (Milan): Bank of America Europe Designated Activity Company, Milan Branch, regulated by the Bank of Italy, the European Central Bank (ECB) and the Central Bank of Ireland (CBI); BofA Europe (Frankfurt): Bank of America Europe Designated Activity Company, Frankfurt Branch regulated by BaFin, the ECB and the CBI; BofA Europe (Madrid): Bank of America Europe Designated Activity Company, Sucursal en España, regulated by the Bank of Spain, the ECB and the CBI; Merrill Lynch (Australia): Merrill Lynch (Florid Cynch (Australia): Merrill Lynch (Hong Kong): Merrill Lynch (Ho (Asia Pacific) Limited, regulated by the Hong Kong Securities and Futures Commission (HKSFC); Merrill Lynch (Singapore): Merrill Lynch (Singapore) Pte Ltd, regulated by the Monetary Authority of Singapore (MAS); Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch (Canada): Merrill Lynch Mexico, SA de CV, Casa de Bolsa, regulated by the Comisión Nacional Bancaria y de Valores; Merrill Lynch (Argentina): Merrill Lynch Argentina SA, regulated by Comisión Nacional de Valores; BofAS Japan: BofA Securities Japan Co., Ltd., regulated by the Financial Services Agency; Merrill Lynch (Seoul): Merrill Lynch International, LLC Seoul Branch, regulated by the Financial Supervisory Service; Merrill Lynch (Taiwan): Merrill Lynch Securities (Taiwan) Ltd., regulated by the Securities and Futures Bureau; BofAS India: BofA Securities India Limited, regulated by the Securities and Exchange Board of India (SEBI); Merrill Lynch (Israel): Merrill Lynch (I



Financial Services Authority (DFSA); Merrill Lynch (Brazil): Merrill Lynch KSA Company: Merrill Lynch Kingdom of Saudi Arabia Company, regulated by the Capital Market Authority.

This information: has been approved for publication and is distributed in the United Kingdom (UK) to professional clients and eligible counterparties (as each is defined in the rules of the FCA and the PRA) by MLI (UK), which is authorized by the PRA and regulated by the FCA and the PRA - details about the extent of our regulation by the FCA and PRA are available from us on request; has been approved for publication and is distributed in the European Economic Area (EEA) by BofASE (France), which is authorized by the ACPR and regulated by the ACPR and the AMF; has been considered and distributed in Japan by BofAS Japan, a registered securities dealer under the Financial Instruments and Exchange Act in Japan, or its permitted affiliates; is issued and distributed in Hong Kong by Merrill Lynch (Hong Kong) which is regulated by HKSFC; is issued and distributed in Taiwan by Merrill Lynch (Taiwan); is issued and distributed in India by BofAS India; and is issued and distributed in Singapore to institutional investors and/or accredited investors (each as defined under the Financial Advisers Regulations) by Merrill Lynch (Singapore) (Company Registration No 198602883D). Merrill Lynch (Singapore) is regulated by MAS. Merrill Lynch Equities (Australia) Limited (ABN 65 006 276 795), AFS License 235132 (MLEA) distributes this information in Australia only to "Wholesale' clients as defined by s.761G of the Corporations Act 2001. With the exception of Bank of America N.A., Australia Branch, neither MLEA nor any of its affiliates involved in preparing this information is an Authorised Deposit-Taking Institution under the Banking Act 1959 nor regulated by the Australian Prudential Regulation Authority. No approval is required for publication or distribution of this information in Brazil and its local distribution is by Merrill Lynch (Brazil) in accordance with applicable regulations. Merrill Lynch (DIFC) is authorized and regulated by the DFSA Information in Germany and is regulated by BaFin, the ECB and the CBI. BofA Securiti

This information has been prepared and issued by BofAS and/or one or more of its non-US affiliates. The author(s) of this information may not be licensed to carry on regulated activities in your jurisdiction and, if not licensed, do not hold themselves out as being able to do so. BofAS and/or MLPF&S is the distributor of this information in the US and accepts full responsibility for information distributed to BofAS and/or MLPF&S clients in the US by its non-US affiliates. Any US person receiving this information and wishing to effect any transaction in any security discussed herein should do so through BofAS and/or MLPF&S and not such foreign affiliates. Hong Kong recipients of this information should contact Merrill Lynch (Asia Pacific) Limited in respect of any matters relating to dealing in securities or provision of specific advice on securities or any other matters arising from, or in connection with, this information. Singapore recipients of this information should contact Merrill Lynch (Singapore) Pte Ltd in respect of any matters arising from, or in connection with, this information. For clients that are not accredited investors, expert investors or institutional investors Merrill Lynch (Singapore) Pte Ltd accepts full responsibility for the contents of this information distributed to such clients in Singapore.

General Investment Related Disclosures:

Taiwan Readers: Neither the information nor any opinion expressed herein constitutes an offer or a solicitation of an offer to transact in any securities or other financial instrument. No part of this report may be used or reproduced or quoted in any manner whatsoever in Taiwan by the press or any other person without the express written consent of BofA Securities. This document provides general information only, and has been prepared for, and is intended for general distribution to, BofA Securities clients. Neither the information nor any opinion expressed constitutes an offer or an invitation to make an offer, to buy or sell any securities or other financial instrument or any derivative related to such securities or instruments (e.g., options, futures, warrants, and contracts for differences). This document is not intended to provide personal investment advice and it does not take into account the specific investment objectives, financial situation and the particular needs of, and is not directed to, any specific person(s). This document and its content do not constitute, and should not be considered to constitute, investment advice for purposes of ERISA, the US tax code, the Investment Advisers Act or otherwise. Investors should seek financial advice regarding the appropriateness of investing in financial instruments and implementing investment strategies discussed or recommended in this document and should understand that statements regarding future prospects may not be realized. Any decision to purchase or subscribe for securities in any offering must be based solely on existing public information on such security or the information in the prospectus or other offering document issued in connection with such offering, and not on this document.

Securities and other financial instruments referred to herein, or recommended, offered or sold by BofA Securities, are not insured by the Federal Deposit Insurance Corporation and are not deposits or other obligations of any insured depository institution (including, Bank of America, N.A.). Investments in general and, derivatives, in particular, involve numerous risks, including, among others, market risk, counterparty default risk and liquidity risk. No security, financial instrument or derivative is suitable for all investors. Digital assets are extremely speculative, volatile and are largely unregulated. In some cases, securities and other financial instruments may be difficult to value or sell and reliable information about the value or risks related to the security or financial instrument may be difficult to obtain. Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment. Past performance is not necessarily a guide to future performance. Levels and basis for taxation may change.

BofA Securities is aware that the implementation of the ideas expressed in this report may depend upon an investor's ability to "short" securities or other financial instruments and that such action may be limited by regulations prohibiting or restricting "shortselling" in many jurisdictions. Investors are urged to seek advice regarding the applicability of such regulations prior to executing any short idea contained in this report.

This report may contain a trading idea or recommendation which highlights a specific identified near-term catalyst or event impacting a security, issuer, industry sector or the market generally that presents a transaction opportunity, but does not have any impact on the analyst's particular "Overweight" or "Underweight" rating (which is based on a three month trade horizon). Trading ideas and recommendations may differ directionally from the analyst's rating on a security or issuer because they reflect the impact of a near-term catalyst or event.

Foreign currency rates of exchange may adversely affect the value, price or income of any security or financial instrument mentioned in this report. Investors in such securities and instruments

effectively assume currency risk.

BofAS or one of its affiliates is a regular issuer of traded financial instruments linked to securities that may have been recommended in this report. BofAS or one of its affiliates may, at any time, hold a trading position (long or short) in the securities and financial instruments discussed in this report.

BofA Securities, through business units other than BofA Global Research, may have issued and may in the future issue trading ideas or recommendations that are inconsistent with, and reach different conclusions from, the information presented herein. Such ideas or recommendations may reflect different time frames, assumptions, views and analytical methods of the persons who prepared them, and BofA Securities is under no obligation to ensure that such other trading ideas or recommendations are brought to the attention of any recipient of this information. In the event that the recipient received this information pursuant to a contract between the recipient and BofAS for the provision of research services for a separate fee, and in connection therewith BofAS may be deemed to be acting as an investment adviser, such status relates, if at all, solely to the person with whom BofAS has contracted directly and does not extend beyond the delivery of this report (unless otherwise agreed specifically in writing by BofAS). If such recipient uses the services of BofAS in connection with the sale or purchase of a security referred to herein, BofAS may act as principal for its own account or as agent for another person. BofAS is and continues to act solely as a broker-dealer in connection with the execution of any transactions, including transactions in any securities referred to herein.

Copyright and General Information:

Copyright 2024 Bank of America Corporation. All rights reserved. iQdatabase® is a registered service mark of Bank of America Corporation. This information is prepared for the use of BofA Securities clients and may not be redistributed, retransmitted or disclosed, in whole or in part, or in any form or manner, without the express written consent of BofA Securities. BofA Global Research information is distributed simultaneously to internal and client websites and other portals by BofA Securities and is not publicly-available material. Any unauthorized use or disclosure is prohibited. Receipt and review of this information constitutes your agreement not to redistribute, retransmit, or disclose to others the contents, opinions, conclusion, or information contained herein (including any investment recommendations, estimates or price targets) without first obtaining express permission from an authorized officer of BofA Securities. Materials prepared by BofA Global Research personnel are based on public information. Facts and views presented in this material have not been reviewed by, and may not reflect information known to, professionals in other business areas of BofA Securities, including investment banking personnel. BofA Securities has established information barriers between BofA Global Research and certain business groups. As a result, BofA Securities does not disclose certain client relationships with, or compensation received from, such issuers. To the extent this material discusses any legal proceeding or issues, it has not been prepared as nor is it intended to express any legal conclusion, opinion or advice. Investors should consult their own legal advisers as to issues of law relating to the subject matter of this material. BofA Global Research personnel's knowledge of legal proceedings in which any BofA Securities entity and/or its directors, officers and employees may be plaintiffs, defendants, co-defendants or co-plaintiffs with or involving issuers mentioned in this material is based on public inform

This information has been prepared independently of any issuer of securities mentioned herein and not in connection with any proposed offering of securities or as agent of any issuer of any securities. None of BofAS any of its affiliates or their research analysts has any authority whatsoever to make any representation or warranty on behalf of the issuer(s). BofA Global Research



policy prohibits research personnel from disclosing a recommendation, investment rating, or investment thesis for review by an issuer prior to the publication of a research report containing such rating, recommendation or investment thesis.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

The information herein (other than disclosure information relating to BofA Securities and its affiliates) was obtained from various sources and we do not guarantee its accuracy. This information may contain links to third-party websites. BofA Securities is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this information and is not incorporated by reference. The inclusion of a link does not imply any endorsement by or any affiliation with BofA Securities. Access to any third-party website is at your own risk, and you should always review the terms and privacy policies at third-party websites before submitting any personal information to them. BofA Securities is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

All opinions, projections and estimates constitute the judgment of the author as of the date of publication and are subject to change without notice. Prices also are subject to change without notice. BofA Securities is under no obligation to update this information and BofA Securities ability to publish information on the subject issuer(s) in the future is subject to applicable quiet periods. You should therefore assume that BofA Securities will not update any fact, circumstance or opinion contained herein.

Certain outstanding reports or investment opinions relating to securities, financial instruments and/or issuers may no longer be current. Always refer to the most recent research report relating to an issuer prior to making an investment decision.

In some cases, an issuer may be classified as Restricted or may be Under Review or Extended Review. In each case, investors should consider any investment opinion relating to such issuer (or its security and/or financial instruments) to be suspended or withdrawn and should not rely on the analyses and investment opinion(s) pertaining to such issuer (or its securities and/or financial instruments) nor should the analyses or opinion(s) be considered a solicitation of any kind. Sales persons and financial advisors affiliated with BofAS or any of its affiliates may not solicit purchases of securities or financial instruments that are Restricted or Under Review and may only solicit securities under Extended Review in accordance with firm policies.

Neither BofA Securities nor any officer or employee of BofA Securities accepts any liability whatsoever for any direct, indirect or consequential damages or losses arising from any use of this information.

