High Fier 1 Alpha Market Research Tools Market Structure Report

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HEDGEYE

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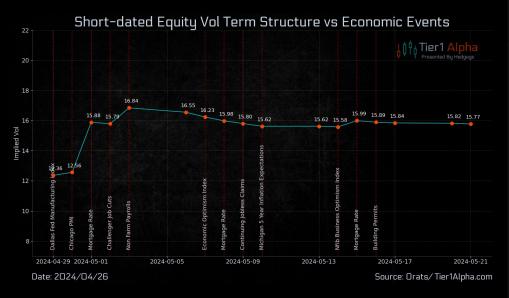


Summary:

- Dealer positioning improved last Friday, leaving SPX just shy of the gamma flipping point at the 5118 strike. Even though dealers are still slightly negative, they are fairly well hedged at the current levels, implying their hedging flows will have a smaller impact on the S&P 500.
- However, the steepness of the gamma curve between the 5100 and 5000 strike suggests a slippery slope back down to the 5000 level on any weakness, which is about 2% below.
- On the other hand, our PV bands have opened up some further room towards the upside, landing just shy of the 5150 strike. This suggests higher is still possible, albeit, only for around a 1% gain.
- In any case, we suspect the 5100 level will remain the focal point over the next few days, especially given there is a significant amount of positive gamma tied to that strike, which makes it a prime candidate for some "pinning" action, which consequently should cause some near-term resistance.

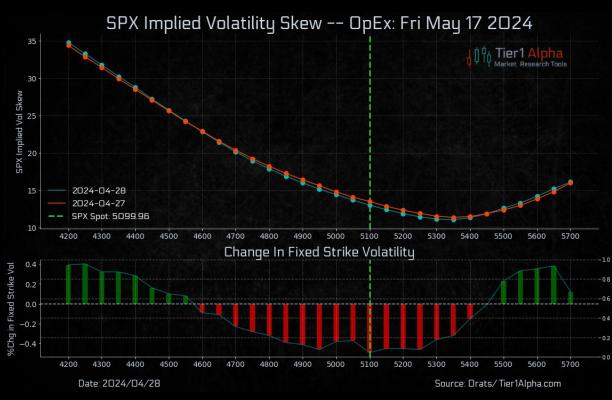
- Overall, the setup is more favorable than the previous two weeks, although until we move significantly past the 5100 strike, higher volatility is still on the table.
- Market breadth was flat last Friday, with only 52% of the S&P 500 in the green. However, some exceptionally strong market cap distortion led the cash index higher, with just ten companies contributing to over 60% of the bullish momentum. Of that, Google alone was responsible for nearly 23% of the positive impact, with Nvidia contributing an additional 17%.
- The 1-month realized volatility rose to 12.91, which meant Vol Control funds will have to sell an estimated \$11B in equity exposure in order to maintain their volatility targets.
- That said, CTA funds have already started to rebuild some of their equity exposure, buying back an estimated \$5B in equities, which this broadly dampened some of the negative impact from the Vol control space, leaving our Systematic positioning index largely unchanged.

Volatility Regime:	Low	Neutral	High
Flow Risk:	Bullish	Neutral	Bearish
PV Band Risk/Reward:	Long	Neutral	Short



Economic Event Calendar

Date	Event	Estimate	Previous	Impact	SPX IV
2024-04-29	Dallas Fed Manufacturing Index		-14.4	medium	12.25
2024-04-30	Chicago PMI		41.4	medium	12.56
2024-05-01	Mortgage Rate		7.24	low	15.72
2024-05-01	Mortgage Applications		-2.7	low	15.72
2024-05-01	MBA Mortgage Refinance Index		472.7	low	15.72
2024-05-01	MBA Purchase Index		144.2	low	15.72
2024-05-01	Manufacturing PMI	49.9	51.9	medium	15.72
2024-05-01	ISM Manufacturing Employment		47.4	medium	15.72
2024-05-01	ISM Manufacturing New Orders		51.4	low	15.72
2024-05-01	Business Confidence	50.0	50.3	high	15.72
2024-05-01	ISM Manufacturing Prices		55.8	low	15.72
2024-05-01	Job Offers		8.756	high	15.72

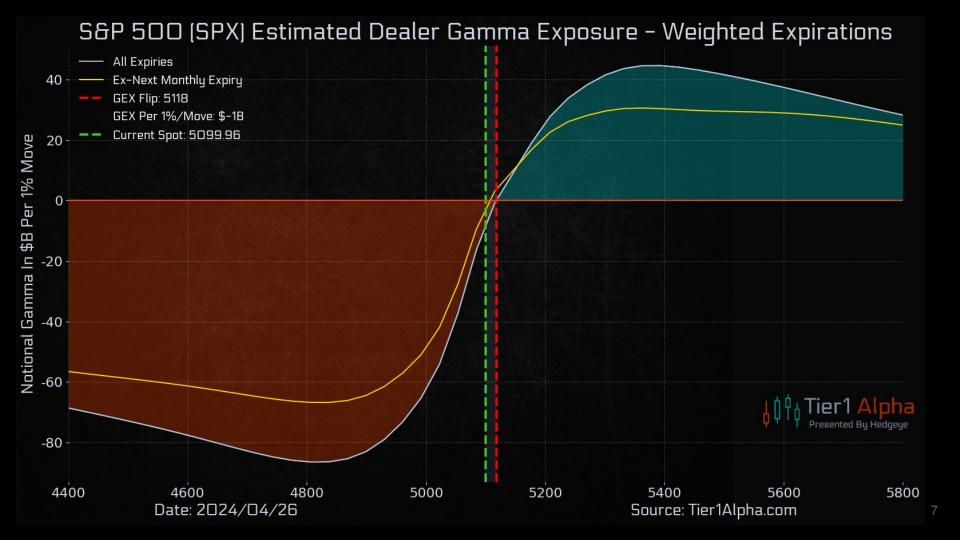


SPX Implied Volatility with Fixed Strike Vol								
		17 2024		21 2024	Fri Jul 19 2024			
Strike	Implied Vol	FSV Change	Implied Vol	FSV Change	Implied Vol	FSV Change		
4400.0	28.8	0.28	23.61	-0.29	20.27			
4450.0	27.21	0.16	22.71					
4500.0		0.1	21.86		18.95			
4550.0	24.27		21.02		18.31			
4600.0	22.82		20.23					
4650.0	21.45		19.48					
4700.0	20.13		18.73		16.5			
4750.0	18.95			-0.28				
4800.0			17.34	-0.24	15.4			
4850.0	16.87		16.66		14.88			
4900.0	15.99		16.02	-0.26	14.37			
4950.0	15.14		15.42					
5000.0	14.41		14.81		13.47			
5050.0	13.69		14.24	-0.18	13.05	-0.08		
5100.0	13.01		13.69		12.67			
5150.0	12.4		13.18		12.32			
5200.0	11.87	-0.45	12.74	-0.18	12.01	-0.09		
5250.0	11.44		12.32					
5300.0	11.15		11.96		11.51			
5350.0	11.05		11.64					
5400.0			11.36		11.14			
5450.0	11.85		11.13		11.0			
5500.0	12.6	0.23						
5550.0	13.29	0.33	10.81					
5600.0	14.19	0.35						
5650.0	15.19	0.38			11.05			
5700.0	16.1	0.12	11.1		11.19	0.03		

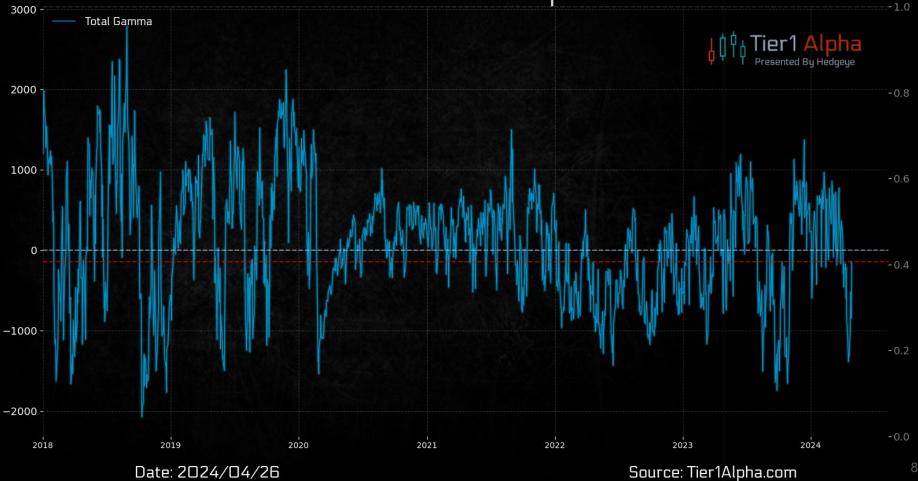


Date: 2024/04/26

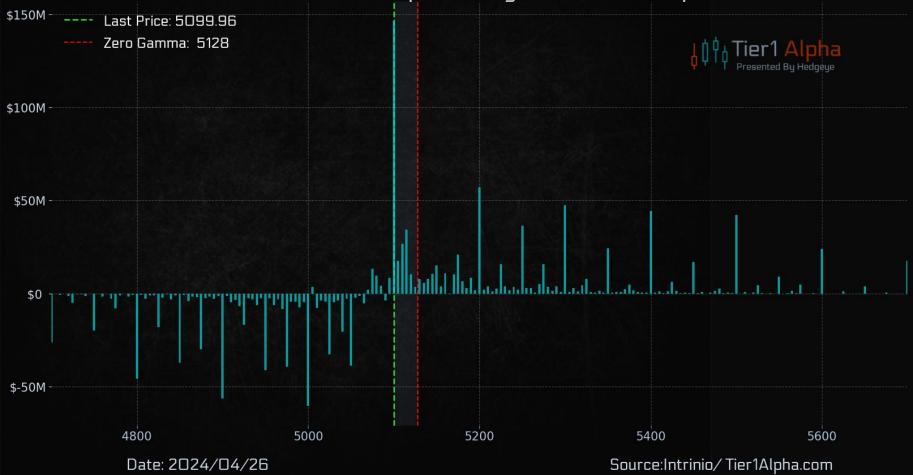
Source: Intrinio/ Tier1Alpha.com

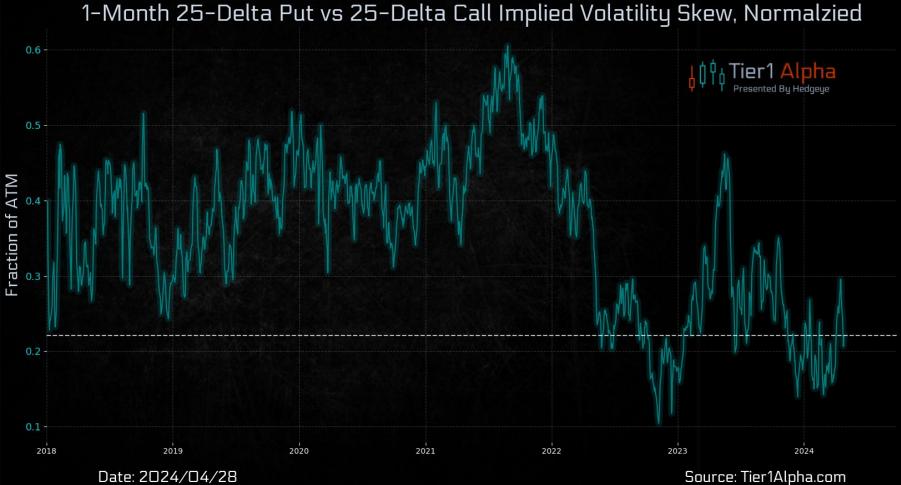


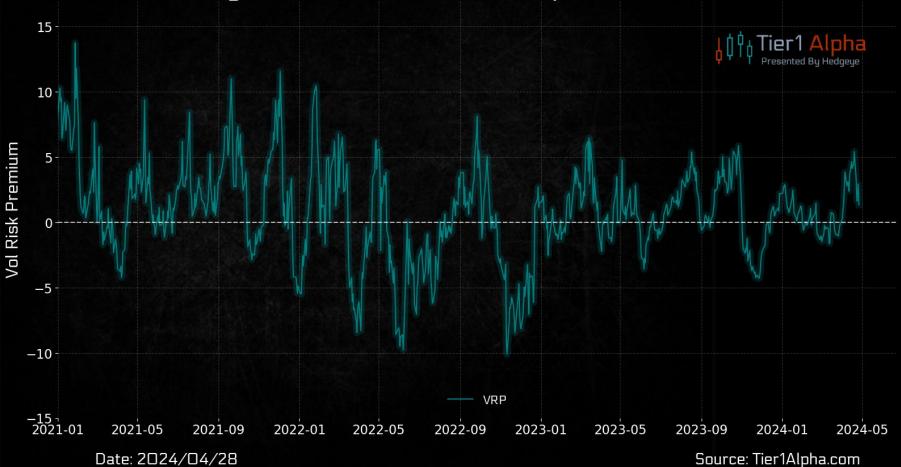
SPX Total Gamma Exposure



SPX Total Gamma Exposure By Strike -- All Expirations

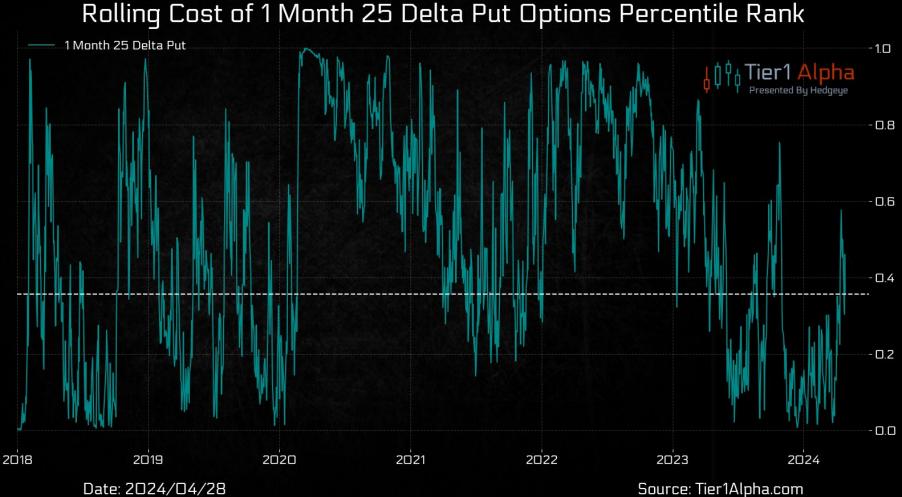






SPX Volatility Risk Premium: 1m ATM Implied Vol vs 1m Realized Vol

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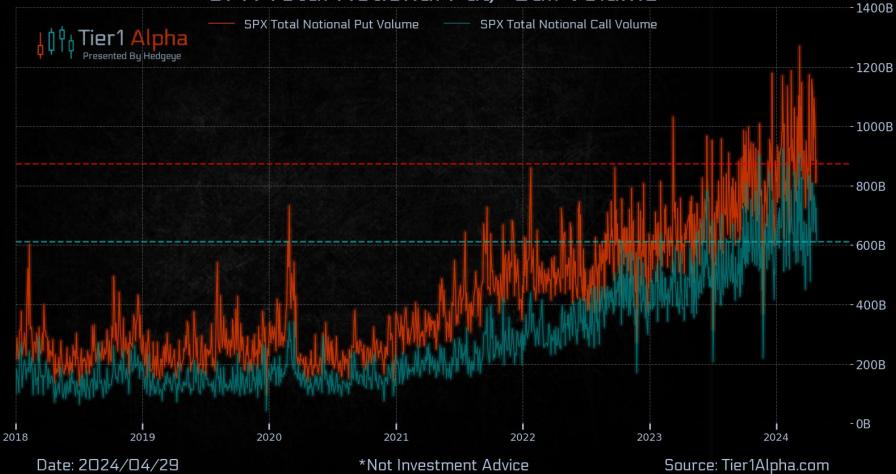


ODTE as % of Total Volume vs 30DTE Volume Used In VIX Calculation



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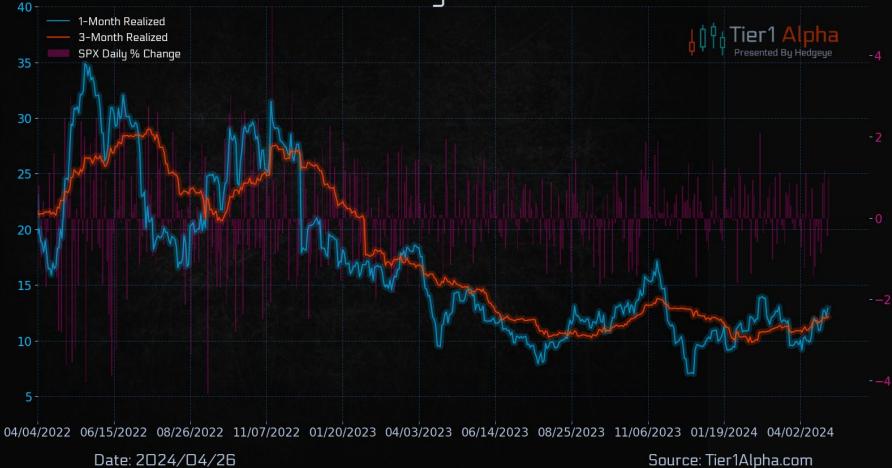
SPX Total Notional Put/ Call Volume

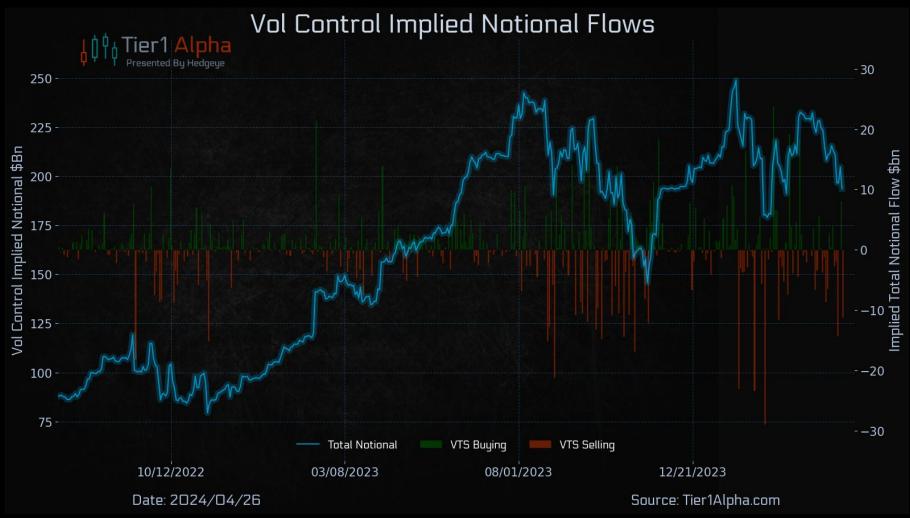






SPX Realized Volatility -- 1 Month vs 3 Month

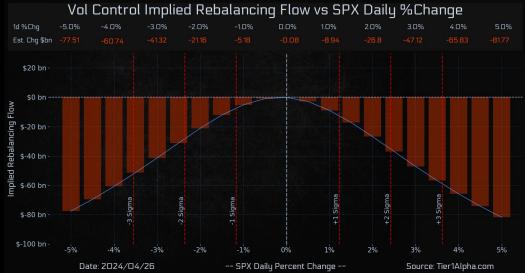




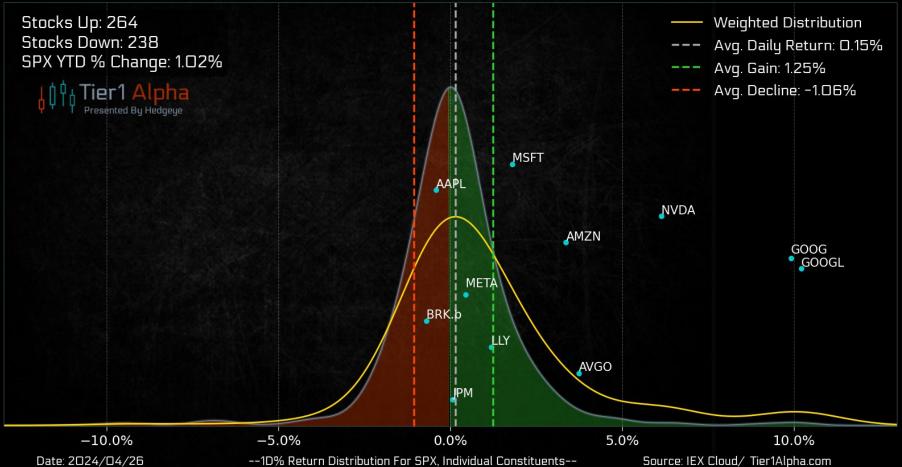


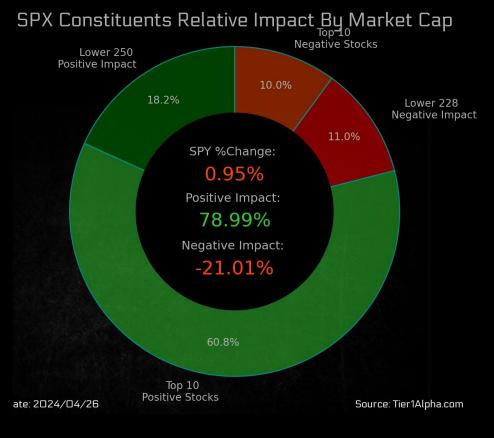


SPX Realized Vol Data In Sample for 2024-04-29							
Dropoff	1m Dates	1m Drop %	3m Dates	3m Drop %			
T+1	2024-04-01	-0.2%	2024-01-30	-0.1%			
T+2	2024-04-02	-0.7%	2024-01-31	-1.6%			
T+3	2024-04-03	0.1%	2024-02-01	1.2%			
T+4	2024-04-04	-1.2%	2024-02-02	1.1%			
T+5	2024-04-05	1.1%	2024-02-05	-0.3%			
T+6	2024-04-08	-0.0%	2024-02-06	0.2%			
T+7	2024-04-09	0.1%	2024-02-07	0.8%			
T+8	2024-04-10	-1.0%	2024-02-08	0.1%			
T+9	2024-04-11	0.7%	2024-02-09	0.6%			
T+10	2024-04-12	-1.5%	2024-02-12	-0.1%			



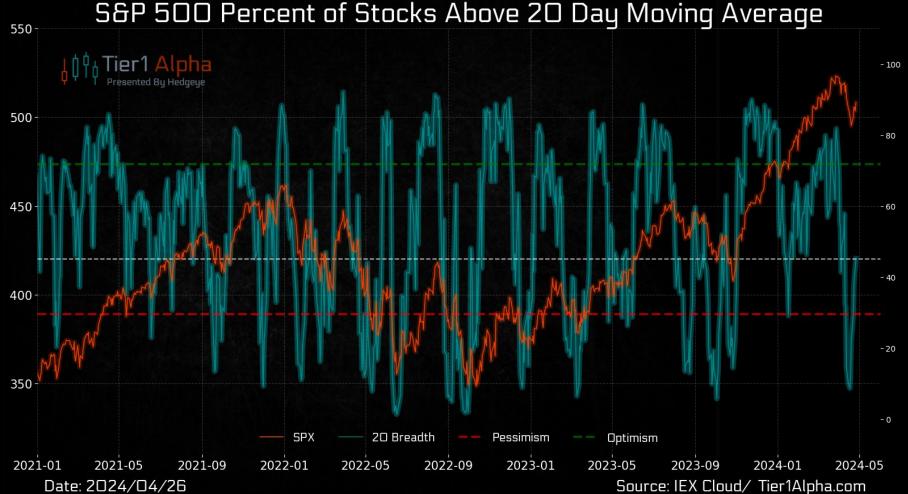
S&P 500 MBAD Indicator for 2024/04/26





SPX Constituents Relative Impact By Market Cap

Largest Positive Impact				Largest Negative Impact				
Top Contributor	Daily %Return	Positive Impact	% Weight	Top Detractor	Daily %Return.1	Negative Impact	% Weight.1	
NVDA	6.2%	17.3%	4.97%	INTC	-9.2%	-1.8%	0.35%	
GOOGL	10.2%	12.6%	2.19%	ABBV	-4.6%	-1.8%	0.69%	
GOOG	9.9%	10.4%	1.85%	хом	-2.8%	-1.8%	1.12%	
AMZN	3.4%	7.4%	3.89%	AAPL	-0.4%	-1.3%	5.76%	
MSFT	1.8%	7.3%	7.14%	BRK.B	-0.7%	-0.7%	1.73%	
AVGO	3.7%	2.8%	1.32%	DXCM	-9.9%	-0.7%	0.12%	
LLY	1.2%	0.9%	1.41%	TSLA	-1.1%	-0.6%	0.99%	
AMD	2.3%	0.8%	0.6%	AON	-6.9%	-0.6%	0.15%	
МЕТА	0.4%	0.7%	2.62%	PG	-0.8%	-0.4%	0.88%	
RMD	18.9%	0.6%	0.06%	ODFL	-7.3%	-0.4%	0.09%	



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