



Structured Product Index Underlier: S&P 500® Index



Sometimes referred to as *Market-Linked Investments*, structured products provide investors the potential to earn returns linked to the performance of an underlying asset, such as a broad-based equity index. Both structured CDs and notes can be linked to the performance of the **S&P 500® Index**. While investors gain exposure to the underlying index, dividends paid by the index are not passed through to the investor. Carefully review the offering document(s) for complete details regarding the terms of the investment, including coupon payments, participation, principal protection (if any), and associated risks.

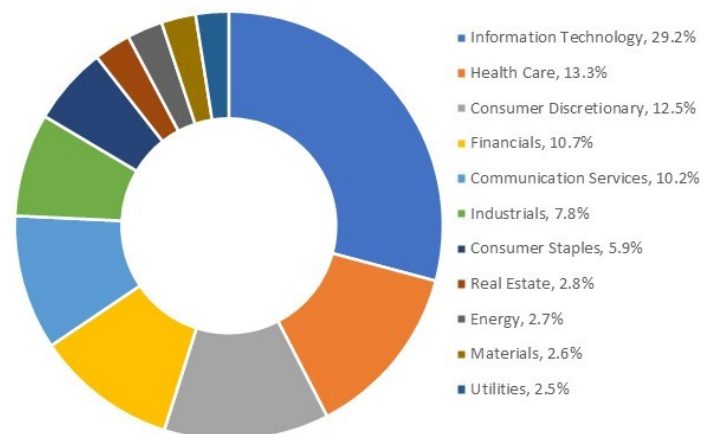
INDEX CHARACTERISTICS

The **S&P 500® Index** is widely regarded as the best single gauge of large-cap U.S. equities and serves as the foundation for a wide range of investment products. The index includes 500 leading companies and captures approximately 80% coverage of available market capitalization.

Symbol	SPX
Launch Date	March 4, 1957
No. Constituents	505
Rebalance Frequency	Quarterly
Geographic Breakdown	U.S., 100%

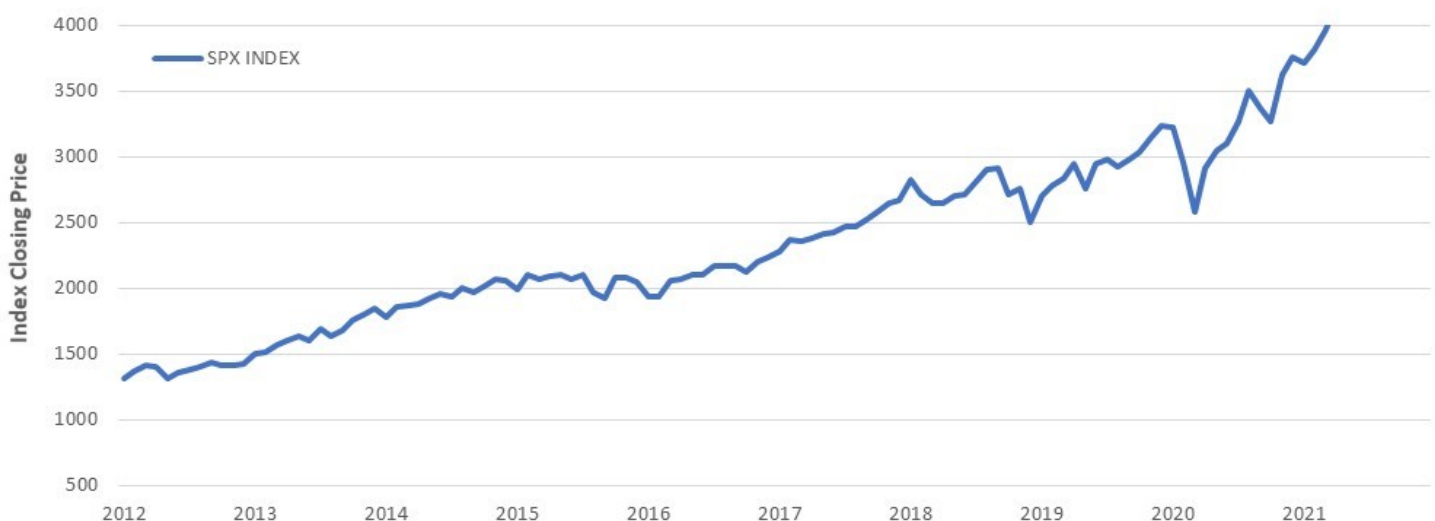
SECTOR BREAKDOWN

As of 12/31/2021



Source: S&P Dow Jones Indices LLC, as of 12/31/2021.

S&P 500® INDEX HISTORICAL PERFORMANCE



Source: Bloomberg, data from 1/1/2012 to 12/31/2021. The table is for illustrative purposes only. An investment cannot be made directly in an index. Past performance is no guarantee of future results.

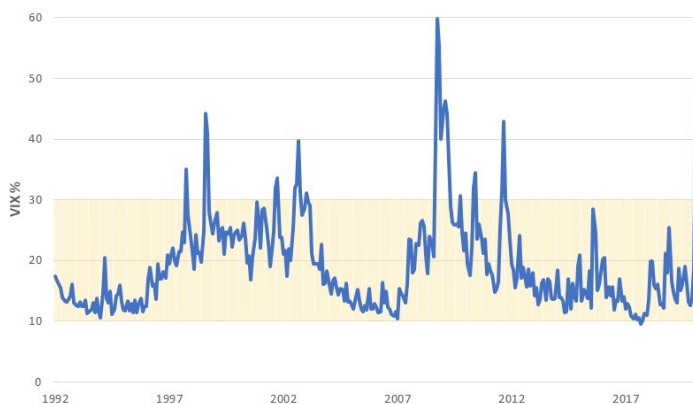
HISTORIC INDEX GAINS/LOSSES - S&P 500® INDEX (SPX)

This table illustrates the percentage of time the **S&P 500® Index** gained or lost within the certain percentage ranges over the past 30 years. Data based on a 12-month rolling rate of return for 1, 3, 5, 7, and 10 years, respectively.

Year	Total Obs	Total Gains	Total Losses	INDEX GAINS						INDEX LOSSES					
				0% to 10%	10% to 20%	20% to 30%	30% to 40%	40% to 50%	> 50%	0% to -10%	-10% to -20%	-20% to -30%	-30% to -40%	-40% to -50%	< -50%
1	348	275	73	85	108	55	20	5	2	32	19	14	6	2	0
	100.0%	79.0%	21.0%	24.4%	31.0%	15.8%	5.7%	1.4%	0.6%	9.2%	5.5%	4.0%	1.7%	0.6%	0.0%
3	324	255	69	19	12	46	54	45	79	15	14	20	17	3	0
	100.0%	78.7%	21.3%	5.9%	3.7%	14.2%	16.7%	13.9%	24.4%	4.6%	4.3%	6.2%	5.2%	0.9%	0.0%
5	300	217	83	17	8	12	8	10	162	38	38	6	1	0	0
	100.0%	72.3%	27.7%	5.7%	2.7%	4.0%	2.7%	3.3%	54.0%	12.7%	12.7%	2.0%	0.3%	0.0%	0.0%
7	276	259	17	32	39	27	18	11	132	10	2	3	2	0	0
	100.0%	93.8%	6.2%	11.6%	14.1%	9.8%	6.5%	4.0%	47.8%	3.6%	0.7%	1.1%	0.7%	0.0%	0.0%
10	240	212	28	9	6	8	2	1	186	2	6	14	5	1	0
	100.0%	88.3%	11.7%	3.8%	2.5%	3.3%	0.8%	0.4%	77.5%	0.8%	2.5%	5.8%	2.1%	0.4%	0.0%

Source: Bloomberg, data from 1/1/1992 to 12/31/2021. Percentage gains and losses are based on the closing price of the S&P 500® Index on a rolling 12-month basis and do not include dividends. The table is for illustrative purposes only. The S&P 500® Index is an unmanaged group of securities and is generally considered to be representative of the U.S. stock market. An investment cannot be made directly in an index. Past performance is no guarantee of future results.

HISTORICAL CBOE VOLATILITY INDEX® (VIX)



The Cboe Volatility Index® (VIX® Index) is based on options of the S&P 500® Index. The VIX is considered the leading indicator of the U.S. stock market and is recognized as the world's premier gauge of U.S. equity market volatility. Volatility measures the risk of a security or index. Generally, the higher the volatility, the greater the potential for dramatic price movements over short periods of time in either direction.

Source: Bloomberg, Cboe Volatility Index® (VIX® Index) from January 31, 1992 to December 31, 2021. The table is for illustrative purposes only. An investment cannot be made directly in an index. Past performance is no guarantee of future results.

Are structured products right for you?

Contact your financial professional to discuss your individual investment needs, risk tolerance, and suitability.

Structured products are considered complex and may not be suitable for all investors. Structured products are sold only by prospectus and investors should read the prospectus and pricing supplement carefully before investing as they contain a detailed explanation of the risks, tax treatment, and other relevant information about the investment. Investors should consult accounting, legal, or tax advisors before investing. Structured products are sold through financial professionals.

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