

## Calculating Index Credits

An index strategy credits interest by measuring the percentage difference between values of the measuring index(es) (S&P 500®, for example) at the start and end of the segment term, then applying any applicable index cap, spread, floor and participation rate.

Each index segment has its own index crediting method, index value, index cap, index floor, index participation rate, index segment term, and index start and maturity date. The index caps, floors and participation rates after the initial index segment term may be higher or lower than the initial rates, but will never be less than the guaranteed minimums shown in the policy. The index spreads after the initial index segment term may be higher or lower than the initial spreads, but will never be higher than the guaranteed maximum shown in the policy. The segment cap, spread, floor and participation rates shown in this illustration are as of 1/10/2024.

**Index Cap:** The maximum interest rate a segment will be credited. If the measuring index performance is greater than the cap, the segment interest rate will equal the cap.

**Index Floor:** The minimum interest rate a segment will be credited. If the measuring index performance is less than the floor, the segment interest rate will equal the floor.

**Index Participation Rate:** This rate describes how much of the change to the index(es) that you "participate" in.

**Index Spread Rate:** The index spread rate, if applicable, is a rate used to determine the final Index Credit. The index spread rate must be exceeded by the index in order to earn any Index Credits.

Putnam Dynamic Low Volatility Excess Return Index	Segment Term	Index Cap		Index Floor		Index Participation Rate	
		Current	Guaranteed	Current	Guaranteed	Current	Guaranteed
With Bonus	1-Year	No Cap	No Cap	0.00%	0.00%	180.00%	50.00%
With High Participation Rate	1-Year	No Cap	No Cap	0.00%	0.00%	212.50%	65.00%

Allocation Index Options	Index Floor	Index Cap	Index Spread Rate		Index Participation Rate	
			Current	Guaranteed	Current	Guaranteed
1-Year Point to Point	0.00%	No Cap	5.00%	20.00%	150.00%	35.00%
2-Year Point to Point	0.00%	No Cap	3.00%	20.00%	190.00%	45.00%

Core Options	Segment Term	Index Cap		Index Floor		Index Participation Rate	
		Current	Guaranteed	Current	Guaranteed	Current	Guaranteed
S&P 500® Index	1-Year	10.50%	2.75%	0.00%	0.00%	100.00%	100.00%
JPMorgan ETF Efficiente® 5 Index	1-Year	No Cap	No Cap	0.00%	0.00%	150.00%	67.50%
Blended S&P 500® Index and JPMorgan ETF Efficiente® 5 Index	2-Year	No Cap	No Cap	0.00%	0.00%	100.00%	20.00%
		No Cap	No Cap	0.00%	0.00%	190.00%	120.00%

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## Hypothetical Returns by Strategy

The historical rates shown below are determined by applying the current index cap, index floor and participation rate to the most recent 25 full calendar years of historical index performance. If no index value was published on the beginning and end dates of the calendar year, then the most recent previous index value was used to determine the historical rates.

**IMPORTANT NOTE:** The Putnam Dynamic Low Volatility Excess Return Index launched April 2020. Values in this illustration are based on hypothetical back-tested performance prior to this date. Back-testing uses simulated analysis and hypothetical circumstances to estimate how the index may have performed prior to its actual existence. Index performance calculated by back-testing is purely theoretical. The hypothetical back-tested performance in this illustration has not been verified by an independent third party. Neither nor Putnam makes any representation that the index will perform as represented in this illustration.

**IMPORTANT NOTE:** The JPMorgan ETF Efficiente® 5 Index launched on October 29, 2010. Values in this illustration are based on a combination of actual index performance after this date and hypothetical back-tested performance prior to this date. Back-testing uses simulated analysis and hypothetical circumstances to estimate how the index may have performed prior to its actual existence. Index performance calculated by back-testing is purely theoretical. The hypothetical back-tested performance in this illustration has not been verified by an independent third party. Neither nor JPMorgan makes any representation that the index will perform as represented in this illustration.

The actual credited rates will vary based on the actual change in the index and actual declared cap and participation rate within each index segment. These figures do not represent actual interest that would have been credited because the index cap and participation rate would have changed over time and actual results would have been different. There are administrative, cost of insurance and product charges associated with the 2.0 policy. The historical returns by strategy do not reflect these charges. It is not meant to predict future performance.

## Putnam Dynamic Low Volatility Excess Return Index

Year	With Bonus		With High Participation Rate	
	Actual Historical Index Change	Resulting Account Performance	Actual Historical Index Change	Resulting Account Performance
1998	2.94%	5.29%	2.94%	6.24%
1999	-9.81%	0.00%	-9.81%	0.00%
2000	10.90%	19.61%	10.90%	23.16%
2001	-1.31%	0.00%	-1.31%	0.00%
2002	1.62%	2.91%	1.62%	3.43%
2003	9.78%	17.61%	9.78%	20.79%
2004	8.42%	15.16%	8.42%	17.90%
2005	0.73%	1.32%	0.73%	1.56%
2006	7.19%	12.95%	7.19%	15.28%
2007	2.57%	4.62%	2.57%	5.46%
2008	-0.97%	0.00%	-0.97%	0.00%
2009	5.77%	10.39%	5.77%	12.27%
2010	8.00%	14.40%	8.00%	17.00%
2011	9.38%	16.89%	9.38%	19.94%
2012	8.02%	14.43%	8.02%	17.04%
2013	7.59%	13.67%	7.59%	16.14%
2014	9.74%	17.53%	9.74%	20.70%
2015	1.11%	1.99%	1.11%	2.35%
2016	4.21%	7.58%	4.21%	8.95%
2017	12.81%	23.06%	12.81%	27.22%
2018	-0.34%	0.00%	-0.34%	0.00%
2019	11.62%	20.91%	11.62%	24.69%
2020	4.04%	7.27%	4.04%	8.58%
2021	3.13%	5.63%	3.13%	6.64%
2022	-11.62%	0.00%	-11.62%	0.00%

Year	S&P 500® Index		JPMorgan ETF Efficiente® 5 Index	
	Actual Historical Index Change	Resulting Account Performance	Actual Historical Index Change	Resulting Account Performance
1998	26.67%	21.67%	N/A	N/A
1999	19.53%	14.53%	N/A	N/A
2000	-10.14%	0.00%	N/A	N/A
2001	-13.04%	0.00%	N/A	N/A
2002	-23.37%	0.00%	N/A	N/A
2003	26.12%	21.12%	N/A	N/A
2004	9.22%	4.22%	N/A	N/A
2005	3.00%	0.00%	N/A	N/A
2006	13.62%	8.62%	N/A	N/A
2007	3.53%	0.00%	N/A	N/A
2008	-38.49%	0.00%	N/A	N/A
2009	23.45%	18.45%	N/A	N/A
2010	12.78%	7.78%	N/A	N/A
2011	0.00%	0.00%	11.62%	17.43%
2012	13.41%	8.41%	6.90%	10.34%
2013	29.60%	24.60%	2.41%	3.61%
2014	11.39%	6.39%	6.67%	10.01%
2015	-0.73%	0.00%	-6.42%	0.00%
2016	9.54%	4.54%	4.52%	6.79%
2017	19.42%	14.42%	8.84%	13.26%
2018	-6.24%	0.00%	-7.45%	0.00%
2019	28.88%	23.88%	8.88%	13.32%
2020	16.26%	11.26%	2.26%	3.39%
2021	26.89%	21.89%	6.70%	10.05%
2022	-19.24%	0.00%	-7.30%	0.00%

## Allocation Index 2-Year Point to Point

Year	S&P 500® Index		JPMorgan ETF Efficiente® 5 Index	
	Actual Historical Index Change	Resulting Account Performance	Actual Historical Index Change	Resulting Account Performance
1998	65.95%	62.95%	N/A	N/A
1999	51.40%	48.40%	N/A	N/A
2000	7.41%	4.41%	N/A	N/A
2001	-21.86%	0.00%	N/A	N/A
2002	-33.36%	0.00%	N/A	N/A
2003	-3.35%	0.00%	N/A	N/A
2004	37.75%	34.75%	N/A	N/A
2005	12.50%	9.50%	N/A	N/A
2006	17.03%	14.03%	N/A	N/A
2007	17.63%	14.63%	N/A	N/A
2008	-36.31%	0.00%	N/A	N/A
2009	-24.06%	0.00%	N/A	N/A
2010	39.23%	36.23%	N/A	N/A
2011	12.78%	9.78%	N/A	N/A
2012	13.40%	10.40%	19.32%	18.35%
2013	46.98%	43.98%	9.47%	9.00%
2014	44.36%	41.36%	9.24%	8.78%
2015	10.58%	7.58%	-0.18%	0.00%
2016	8.74%	5.74%	-2.19%	0.00%
2017	30.81%	27.81%	13.76%	13.07%
2018	11.97%	8.97%	0.73%	0.69%
2019	20.84%	17.84%	0.76%	0.73%
2020	48.92%	45.92%	11.34%	10.77%
2021	47.52%	44.52%	9.11%	8.66%
2022	2.48%	0.00%	-1.09%	0.00%

## Core Options

	S&P 500® Index 1-Year		JPMorgan ETF Efficiente® 5 Index 1-Year		S&P 500® Index 2-Year		JPMorgan ETF Efficiente® 5 Index 2-Year		Blended S&P 500® Index and JPMorgan ETF Efficiente® 5 Index
Year	Actual Historical Index Change	Resulting Account Performance	Actual Historical Index Change	Resulting Account Performance	Actual Historical Index Change	Resulting Account Performance	Actual Historical Index Change	Resulting Account Performance	Resulting Account Performance
1998	26.67%	10.50%	N/A	N/A	65.95%	32.97%	N/A	N/A	N/A
1999	19.53%	10.50%	N/A	N/A	51.40%	25.70%	N/A	N/A	N/A
2000	-10.14%	0.00%	N/A	N/A	7.41%	3.70%	N/A	N/A	N/A
2001	-13.04%	0.00%	N/A	N/A	-21.86%	0.00%	N/A	N/A	N/A
2002	-23.37%	0.00%	N/A	N/A	-33.36%	0.00%	N/A	N/A	N/A
2003	26.12%	10.50%	N/A	N/A	-3.35%	0.00%	N/A	N/A	N/A
2004	9.22%	9.22%	N/A	N/A	37.75%	18.87%	N/A	N/A	N/A
2005	3.00%	3.00%	N/A	N/A	12.50%	6.25%	N/A	N/A	N/A
2006	13.62%	10.50%	N/A	N/A	17.03%	8.51%	N/A	N/A	N/A
2007	3.53%	3.53%	N/A	N/A	17.63%	8.81%	N/A	N/A	N/A
2008	-38.49%	0.00%	N/A	N/A	-36.31%	0.00%	N/A	N/A	N/A
2009	23.45%	10.50%	N/A	N/A	-24.06%	0.00%	N/A	N/A	N/A
2010	12.78%	10.50%	N/A	N/A	39.23%	19.62%	N/A	N/A	N/A
2011	0.00%	0.00%	11.62%	17.43%	12.78%	6.39%	N/A	N/A	N/A
2012	13.41%	10.50%	6.90%	10.34%	13.40%	6.70%	19.32%	18.35%	25.05%
2013	29.60%	10.50%	2.41%	3.61%	46.98%	23.49%	9.47%	9.00%	32.49%
2014	11.39%	10.50%	6.67%	10.01%	44.36%	22.18%	9.24%	8.78%	30.96%
2015	-0.73%	0.00%	-6.42%	0.00%	10.58%	5.29%	-0.18%	0.00%	5.29%
2016	9.54%	9.54%	4.52%	6.79%	8.74%	4.37%	-2.19%	0.00%	4.37%
2017	19.42%	10.50%	8.84%	13.26%	30.81%	15.40%	13.76%	13.07%	28.48%
2018	-6.24%	0.00%	-7.45%	0.00%	11.97%	5.99%	0.73%	0.69%	6.68%
2019	28.88%	10.50%	8.88%	13.32%	20.84%	10.42%	0.76%	0.73%	11.14%
2020	16.26%	10.50%	2.26%	3.39%	48.92%	24.46%	11.34%	10.77%	35.23%
2021	26.89%	10.50%	6.70%	10.05%	47.52%	23.76%	9.11%	8.66%	32.42%
2022	-19.24%	0.00%	-7.30%	0.00%	2.48%	1.24%	-1.09%	0.00%	1.24%

The Maximum Illustrated Rate for each strategy is calculated by a method consistent with applicable regulations. The Averages are based on the past 20 and 25 years of performance starting on 1/1/1998, using the current index cap, index floor and index participation rate. A number of different reasonable methods may be used to calculate the averages. The maximum illustrated rates and averages are not an indication of future performance and are not guaranteed.

<b>Putnam Dynamic Low Volatility Excess Return Index</b>	<b>Maximum Illustrated Rate</b>	<b>10-Year Average</b>	<b>20-Year Average</b>	<b>25-Year Average</b>
With Bonus	5.97%	9.76%	10.27%	9.33%
With High Participation Rate	6.97%	11.53%	12.12%	11.01%

  

<b>Allocation Index Options</b>	<b>Maximum Illustrated Rate</b>	<b>10-Year Average</b>	<b>20-Year Average</b>	<b>25-Year Average</b>
1-Year Point to Point	6.61%	10.70%	N/A	N/A
2-Year Point to Point	6.61%	12.16%	N/A	N/A

  

<b>Core Options</b>	<b>Maximum Illustrated Rate</b>	<b>10-Year Average</b>	<b>20-Year Average</b>	<b>25-Year Average</b>
S&P 500 <sup>®</sup> Index	6.52%	7.25%	7.04%	6.47%
JPMorgan ETF Efficiente <sup>®</sup> 5 Index	6.61%	6.04%	N/A	N/A
Blended S&P 500 <sup>®</sup> Index and JPMorgan ETF Efficiente <sup>®</sup> 5 Index	6.36%	9.41%	N/A	N/A

It is our goal to be able to allow you to better understand and compare index account performance against other indexed universal life products that you may be considering purchasing. Along the same lines, the 2.0 product must be compliant with all applicable industry illustration guideline(s). To that note, we follow a regulatory illustration concept known as the *Benchmark Index Account*, which is derived under the following industry consistent approach:

- Looking back at the historical period of S&P 500 index returns (excluding dividends) over the previous 66 years, starting with the current calendar year
- Incorporating the product current participation rate, index cap and index floor for the product account (or equivalent account)
- Calculating the arithmetic average of all 25-year previous periods of time, inclusive of every trading day throughout this time period (which covers over 10,000 specific points in time)

From this, the maximum crediting rate that is allowed to be shown on your illustration is determined as shown above, along with the minimum and maximum rates derived under this calculation, which is required to also be provided for reference purposes:

Maximum Illustrated Rate	8.05%
Minimum Illustrated Rate	4.12%

