

# WESLEYAN 2045 PORTFOLIO as of 06/30/2019

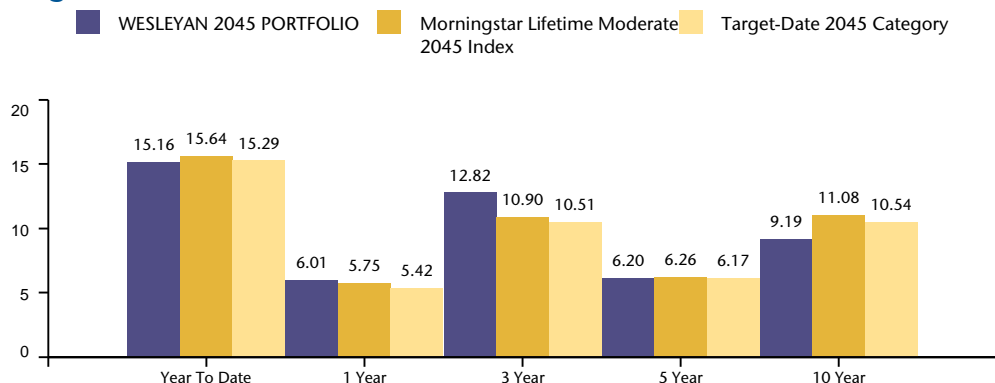
## Investment Strategy

The investment option is for participants retiring in 25 to 29 years or with minimal need for current income who desire high capital growth appreciation and recognize the possibility for substantial year-to-year fluctuations. To pursue its goal, this Fund places an emphasis on capital appreciation via increased exposure to equities of various market caps and styles. Added diversification from increased exposure to Small Cap and International equities.

Investment Advisor: Morgan Stanley Wealth Mgmt

## Portfolio managers

### Long-term returns % as of 06/30/2019



## Performance disclosure

Investment results shown represent historical performance and do not guarantee future results. Investment returns and principal values fluctuate with changes in interest rates and other market conditions so the value, when redeemed, may be worth more or less than original costs. Current performance may be lower or higher than the performance data shown. For more performance information, including the most recent month-end performance, visit [principal.com](http://principal.com), contact your representative of The Principal, or call our Participant Contact Center at 1-800-547-7754.

In situations where the net and gross total investment expense figures are different or where a contractual cap and/or waiver date is given, the mutual fund or the underlying fund in which a Separate Account invests has waived/capped a portion of its management fees through the date displayed in the waiver expiration date or contractual cap expiration date column. Differences may also be shown due to the fund family choosing to pay certain expenses that would normally be payable by the fund. Returns displayed are based on net total investment expense.

Long Term Returns	Year To Date	1 Year	3 Year	5 Year	10 Year
Total Return %	15.16	6.01	12.82	6.20	9.19
Morningstar Lifetime Moderate 2045 Index %	15.64	5.75	10.90	6.26	11.08
Target-Date 2045 Category %	15.29	5.42	10.51	6.17	10.54
Morningstar Percentile Rankings	-	29	1	50	100
# of Funds in Category	234	223	181	144	74
Annual Returns	2018	2017	2016	2015	2014
Total Return %	-6.00	22.25	10.45	-4.44	1.67
Morningstar Lifetime Moderate 2045 Index %	-8.17	20.53	10.84	-3.03	5.25
Target-Date 2045 Category %	-8.14	20.51	7.93	-1.87	5.35
Morningstar Percentile Rankings	7	12	1	93	97
# of Funds in Category	221	208	195	206	185

Morningstar percentile rankings are based on total returns.

## Morningstar category

Target-Date 2045

## Morningstar Style Box™

As of 05/31/2019

### Investment style

Value	Blend	Growth	Market capitalization	
				Large
				Medium
			Small	

## Risk and Return Statistics

as of 06/30/2019 Relative to Morningstar Lifetime Moderate 2045 Index

	3Yr	5Yr
Alpha	2.12	0.62
Beta	0.96	0.86
R-Squared	97.67	95.09
Standard Deviation	9.96	9.44
Mean	12.82	6.20
Sharpe Ratio	1.11	0.59
Excess Return	1.92	-0.06
Tracking Error	1.60	2.56
Information Ratio	1.20	-0.02

## Operations

Total Investment Expense Net	0.72%
Total Investment Expense Gross	0.72%
Inception Date	12/27/2006
Total Net Assets (mil)	\$18.08



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Risk and return statistical data is calculated by Morningstar, Inc. Excess Return is calculated by Principal Life Insurance Company.

## Portfolio information†

Composition as of 05/31/2019

Asset Distribution	Asset Type	Net %	Short %	Long %
	U.S. Stocks	55.19	0.00	55.19
	Non-U.S. Stocks	21.46	0.00	21.46
	Other	11.06	0.00	11.06
	U.S. Bonds	8.54	2.44	10.98
	Cash	2.83	3.95	6.78
	Non-U.S. Bonds	0.76	1.17	1.93
	Convertibles	0.16	0.00	0.16
	Preferred	0.01	0.00	0.01

## Top ten holdings

	% of net assets
1. American Funds Washington Mutual R4	19.04
2. T. Rowe Price Blue Chip Growth	19.03
3. Oakmark International Investor	14.35
4. American Funds New World R4	7.76
5. Principal SmallCap R-6	6.73
6. Metropolitan West Total Return Bd M	6.12
7. Wells Fargo Special Mid Cap Value Inst	4.44
8. MassMutual Select Mid Cap Growth Svc	4.41
9. Principal Real Estate Securities R5	4.06
10. PIMCO Income Adm	3.04
% of net assets in top ten holdings*	88.98

## Analysis

# of Stock Hldgs	0
# of Bond Hldgs	0
# of Other Hldgs	11
AvgMktCap (mil)	\$41,693.83
P/C Ratio	7.19
P/B Ratio	2.14
P/E Ratio	16.22

## Stock Sector Breakdown

	% of net assets		% of net assets		% of net assets
<b>Cyclical</b>	<b>42.19</b>	<b>Defensive</b>	<b>18.20</b>	<b>Sensitive</b>	<b>39.62</b>
Consumer Cyclical	15.61	Healthcare	12.45	Technology	19.42
Basic Materials	3.66	Consumer Defensive	3.55	Industrials	14.56
Financial Svcs	16.46	Utilities	2.20	Energy	3.93
Real Estate	6.46			Comm Svcs	1.71

Separate Accounts are available through a group annuity contract with Principal Life Insurance Company. Insurance products and plan administrative services, if applicable, are provided by Principal Life Insurance Company, a member of the Principal Financial Group, Des Moines, IA 50392. Certain investment options may not be available in all states or U.S. commonwealths. Principal Life Insurance Company reserves the right to defer payments or transfers from Principal Life Separate Accounts as described in the group annuity contracts providing access to the Separate Accounts or as required by applicable law. Such deferral will be based on factors that may include situations such as: unstable or disorderly financial markets; investment conditions which do not allow for orderly investment transactions; or investment, liquidity, and other risks inherent in real estate (such as those associated with general and local economic conditions). If you elect to allocate funds to a Separate Account, you may not be able to immediately withdraw them.

The full name of this investment option is WESLEYAN 2045 PORTFOLIO.

*Before directing retirement funds to a separate account, investors should carefully consider the investment objectives, risks, charges and expenses of the separate account as well as their individual risk tolerance, time horizon and goals. For additional information contact us at 1-800-547-7754 or by visiting [principal.com](http://principal.com).*

Morningstar Lifetime Moderate 2045 Index represents a portfolio of global equities, bonds and traditional inflation hedges such as commodities and TIPS. This portfolio is held in proportions appropriate for a U.S. investor who is about 35 years away from retirement.

**Past performance is no guarantee of future results.** Market indices have been provided for comparison purposes only. They are unmanaged and do not reflect fees or expenses. Individuals cannot invest directly in an index.

Investment Options may charge a short-term trading or redemption fee to protect the interests of long-term Contractholders.

**Alpha** - The difference between an investment's actual returns and its expected performance, given its level of risk (as measured by beta). **Beta** - An investment's sensitivity to market movements. **R-squared** - Ranges from 0 to 100 and reveals how closely an investment's returns track those of a benchmark index. **Standard Deviation** - Measures how much an investment's returns are likely to fluctuate. **Mean** - Represents the annualized total return for a fund over 3 and 5 years. **Sharpe Ratio** - Measures how an investment balances risks and rewards. The higher the Sharpe ratio, the better the investment's historical risk-adjusted performance. **Excess Return** - The difference between a manager's return and the return of an external standard such as a passive index.

**Tracking Error** - The standard deviation or volatility of excess returns. **Information Ratio** - A risk-adjusted measure commonly used to evaluate an active manager's involvement skill. It's defined as the manager's excess return divided by the variability or standard deviation of the excess return.

**Average Market Cap** - The overall "size" of a stock investment option's portfolio. It is the geometric mean of the market capitalization for all of the stocks it owns and is calculated by raising the market capitalization of each stock to a power equal to that stock's stake in the portfolio. The resulting numbers are multiplied together to produce the geometric mean of the market caps of the stocks in the portfolio, which is reported as average market capitalization.

**Price/Cash Flow (projected) Ratio** - The ratio of the company's most recent month-end share price to the company's estimated cash flow per share (CPS) for the current fiscal year. Cash flow measures the ability of a business to generate cash and it acts as a gauge of liquidity and solvency. Morningstar calculates internal estimates for the current year CPS based on the most recently reported CPS and average historical cash flow growth rates. Price/cash flow (projected) is one of the five value factors used to calculate the Morningstar Style Box. For portfolios, this data point is calculated by taking an asset-weighted average of the cash flow yields (C/P) of all the stocks in the portfolio and then taking the reciprocal of the result.

**Price/Projected Earnings Ratio** - The ratio of the company's most recent month-end share price to the company's estimated earnings per share (EPS) for the current fiscal year. If a third-party estimate for the current year EPS is not available, Morningstar will calculate an internal estimate based on the most recently reported EPS and average historical earnings growth rates. Price/projected earnings is one of the five value factors used to calculate the Morningstar Style Box. For portfolios, this data point is calculated by taking an asset-weighted average of the earnings yields (E/P) of all the stocks in the portfolio and then taking the reciprocal of the result.

**Price/Book (projected) Ratio** - The ratio of the company's most recent month-end share price to the company's estimated book value per share (BPS) for the current fiscal year. Book value is the total assets of a company, less total liabilities. Morningstar calculates internal estimates for the current year BPS based on the most recently reported BPS and average historical book value growth rates.

**Total Investment Expense - Gross** is the current maximum expense ratio, as a percentage of assets that can be applied to this investment option.

**Total Investment Expense - Net**; you will be responsible for this expense and it will be automatically taken prior to calculating performance. Total Investment Expense Net is the Total Investment Expense Gross expense ratio less any fee waivers, reimbursements or caps, if applicable. The expenses ratio, as a percentage of net assets, includes applicable operating expenses, management fees, including 12b-1 fees, and administrative fees.

† The Portfolio Composition depicts a breakdown of the investment option's portfolio holdings, as of the date listed, into general investment classes. The x-axis represents the percentage each investment group holds, with the y-axis representing a zero value. Values to the right of the y-axis represent long security positions, while values to the left of the y-axis represent short security positions. The table to the right of the bar chart sums these two values to present the net emphasis of each investment group. Due to rounding, the total net position may not equal 100%. Long positions involve buying a security and selling it later, with the hope that the security price rises over time. In contrast, short positions are taken to benefit from anticipated price declines. Portfolio holdings are subject to change and companies referenced in this report may not currently be held. Information is current as of the creation of this piece. Keep in mind that portfolio holdings are subject to risk. For a complete list of the most recent publicly available holdings visit [principal.com](http://principal.com).

\* Values may exceed 100% if both long and short positions are included in the portfolio.