

Average Annual Total Returns net of all Investment Division fees as of October 31, 2018.
Returns do not reflect the deductions for life insurance policy fees and charges.

	Premium Allocation Percent	Fund #	Investment Option	Asset Class	Portfolio Inception Date	Month Ended 10/31/2018	Three Months Ended 10/31/2018	Year To Date	1 Year	3 Years	5 Years	10 Years	Since Portfolio Inception	Net Portfolio Expenses
1	6%	62	American Funds Insurance Series®-International Fund - Class 2	Global / International - Foreign Large Blend	5/1/1990	-8.53%	-11.22%	-10.50%	-8.50%	5.73%	3.46%	7.96%		0.79%
2	6%	66	VY Oppenheimer Global Portfolio - Initial Class	Global / International - World Stock	5/1/2002	-9.51%	-10.73%	-6.54%	-3.56%	7.68%	7.38%	11.96%		0.76%
3	4%	45	VY JPMorgan Mid Cap Value Portfolio - Initial Class	Small/Mid/Specialty - Mid-Cap Value	5/1/2002	-7.40%	-6.41%	-4.06%	-0.29%	7.23%	8.11%	13.36%		0.92%
4	4%	43	Voya Russell Mid Cap Growth Index Portfolio - Class I	Small/Mid/Specialty - Mid-Cap Growth	5/1/2009	-9.92%	-5.20%	1.82%	5.73%	10.01%	9.68%		15.18%	0.49%
5	10%	49	Voya Russell Small Cap Index Portfolio - Class I	Small/Mid/Specialty - Small Blend	3/4/2008	-10.87%	-9.37%	-0.82%	1.58%	10.39%	7.82%			0.46%
6	20%	37	Voya Large Cap Growth Portfolio - Institutional Class	Large Cap Growth - Large Growth	5/3/2004	-8.42%	-3.45%	5.50%	10.27%	12.40%	12.66%		15.72%	0.60%
7	10%	31	VY T. Rowe Price Equity Income Port. - Institutional Class	Large Cap Value - Large Value	1/24/1989	-5.61%	-5.24%	-2.08%	2.01%	9.89%	7.34%		10.91%	0.64%
8	5%	2	VY Pioneer High Yield Portfolio - Initial Class	Bonds - High Yield Bond	1/3/2006	-1.78%	-0.98%		0.40%	5.47%	3.51%		11.15%	0.72%
9	15%	8	Voya Global Bond Portfolio - Service Class	Bonds - World Bond	11/8/2004	-1.09%	-1.75%	-3.00%	-1.42%	3.43%	1.25%		4.93%	0.89%
10	5%	9	Voya Limited Maturity Bond Portfolio - Service Class	Bonds - Short-Term Bond	1/24/1989	0.02%	0.27%	0.32%	0.27%	0.83%	0.81%		1.93%	0.53%
11	10%	59	VY JPMorgan Emerging Markets Equity Portfolio - Inst Class	Global / International - Diversified Emerging Mkts	2/18/1998	-8.58%	-13.50%	-18.60%	-13.75%	7.61%	1.70%		8.03%	1.26%
12	5%	4	Voya Intermediate Bond Portfolio - Class I	Bonds - Intermediate-Term Bond	5/23/1973	-0.86%	-0.87%	-2.34%	-1.89%	2.06%	2.69%		5.10%	0.51%
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100% All Available Funds: 12 12 11 12 12 12 10 1 12
Fund Average Rate of Return: -6.05% -5.70% -3.66% -0.76% 6.89% 5.53% 9.11% 15.18% 0.71%

Allocated Rate of Return Report

	Premium Allocation Percent	Fund #	Investment Option	Asset Class	Portfolio Inception Date	Month Ended 10/31/2018	Three Months Ended 10/31/2018	Year To Date	1 Year	3 Years	5 Years	10 Years	Since Portfolio Inception	Net Portfolio Expenses
1	6%	62	American Funds Insurance Series®-International Fund - Class 2	Global / International - Foreign Large Blend	5/1/1990	-0.51%	-0.67%	-0.63%	-0.51%	0.34%	0.21%	0.48%		0.05%
2	6%	66	VY Oppenheimer Global Portfolio - Initial Class	Global / International - World Stock	5/1/2002	-0.57%	-0.64%	-0.39%	-0.21%	0.46%	0.44%	0.72%		0.05%
3	4%	45	VY JPMorgan Mid Cap Value Portfolio - Initial Class	Small/Mid/Specialty - Mid-Cap Value	5/1/2002	-0.30%	-0.26%	-0.16%	-0.01%	0.29%	0.32%	0.53%		0.04%
4	4%	43	Voya Russell Mid Cap Growth Index Portfolio - Class I	Small/Mid/Specialty - Mid-Cap Growth	5/1/2009	-0.40%	-0.21%	0.07%	0.23%	0.40%	0.39%		0.61%	0.02%
5	10%	49	Voya Russell Small Cap Index Portfolio - Class I	Small/Mid/Specialty - Small Blend	3/4/2008	-1.09%	-0.94%	-0.08%	0.16%	1.04%	0.78%			0.05%
6	20%	37	Voya Large Cap Growth Portfolio - Institutional Class	Large Cap Growth - Large Growth	5/3/2004	-1.68%	-0.69%	1.10%	2.05%	2.48%	2.53%		3.14%	0.12%
7	10%	31	VY T. Rowe Price Equity Income Port. - Institutional Class	Large Cap Value - Large Value	1/24/1989	-0.56%	-0.52%	-0.21%	0.20%	0.99%	0.73%		1.09%	0.06%
8	5%	2	VY Pioneer High Yield Portfolio - Initial Class	Bonds - High Yield Bond	1/3/2006	-0.09%	-0.05%		0.02%	0.27%	0.18%		0.56%	0.04%
9	15%	8	Voya Global Bond Portfolio - Service Class	Bonds - World Bond	11/8/2004	-0.16%	-0.26%	-0.45%	-0.21%	0.51%	0.19%		0.74%	0.13%
10	5%	9	Voya Limited Maturity Bond Portfolio - Service Class	Bonds - Short-Term Bond	1/24/1989	0.00%	0.01%	0.02%	0.01%	0.04%	0.04%		0.10%	0.03%
11	10%	59	VY JPMorgan Emerging Markets Equity Portfolio - Inst Class	Global / International - Diversified Emerging Mkts	2/18/1998	-0.86%	-1.35%	-1.86%	-1.38%	0.76%	0.17%		0.80%	0.13%
12	5%	4	Voya Intermediate Bond Portfolio - Class I	Bonds - Intermediate-Term Bond	5/23/1973	-0.04%	-0.04%	-0.12%	-0.09%	0.10%	0.13%		0.26%	0.03%
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100% Allocated Rate of Return: -6.26% -5.62% -2.86% 0.26% 7.70% 6.12% 9.79% 15.18% 0.73%

Note: For reporting periods where fund returns are not available, the allocation to the available funds for that period have been increased pro-rata to report a 100% total allocation of the available funds.
Data Source: The "PERFORMANCE UPDATE" from Security Life of Denver Insurance Company for the referenced reporting period.

Allocated Rate of Return Comparison to the Benchmark

