

PERFORMANCE UPDATE

Voya Retirement Insurance and Annuity Company

STATE OF RHODE ISLAND VK0450

Separate Account D

Average Annual Total Returns as of: 01/31/2019 (shown in percentages)

Variable annuities and funding agreements are long-term investment vehicles designed for retirement purposes which allow you to allocate contributions among variable investment options that have the potential to grow tax-deferred with an option to receive a stream of income at a later date.

The performance data quoted represents past performance. Past performance does not guarantee future results. For month-end performance which may be lower or higher than the performance data shown please call 800-232-5422. Investment return and principal value of an investment will fluctuate so that, when sold, an investment may be worth more or less than the original cost.

These numbers reflect total Separate Account charges of 0.15% on an annual basis. They also assume reinvestment of all dividends (ordinary income and capital gains) and are net of management fees and other fund operating expenses.

Depending upon the type of contract in which you participate, you have either received disclosure booklets for the separate account and/or fund prospectuses. You should consider the investment objectives, risks and charges, and expenses of the variable product and its underlying fund options carefully before investing. The disclosure booklet contains this and other information. Anyone who wishes to obtain a free copy of the separate account disclosure booklet and/or fund prospectuses may call their Voya representative or the number above. Please read the separate account disclosure booklet and/or the fund prospectuses carefully before investing.

Returns less than one year are not annualized. Fund Inception Date is the date of inception for the underlying fund, and is the date used in calculating the periodic returns. This date may also precede the portfolio's inclusion in the product.

Investment Options	1-Mo	3-Mo	YTD	1-Yr	3-Yr	5-Yr	10-Yr	Incept	Fund Inception Date
Stability of Principal									
<i>Stability of Principal</i>									
Voya Fixed Account - 457/401 II A - 4573 (1)(3) <i>This fund is not part of the product's separate account.</i>	0.15	0.44	0.15	1.75	1.85	1.95	2.33		
Bonds									
<i>High Yield Bond</i>									
PGIM High Yield Fund - Class Z - 2482	4.47	1.62	4.47	2.08	9.03	4.79	10.09		03/01/1996
<i>Inflation-Protected Bond</i>									
PIMCO VIT Real Return Portfolio - Administrative Class - 833	1.77	2.31	1.77	0.18	2.21	1.11	4.00		09/30/1999
<i>Intermediate-Term Bond</i>									
Voya Intermediate Bond Portfolio - Class I - 004	1.49	3.34	1.49	1.63	2.97	3.01	5.43		05/23/1973
Voya U.S. Bond Index Portfolio - Class I - 1554	0.96	3.33	0.96	1.73	1.45	1.92	3.15		03/07/2008
Asset Allocation									
<i>Lifecycle</i>									
Voya Solution 2020 Portfolio - Initial Class - 6750 (2)	4.44	2.47	4.44	-2.29	7.11	5.38		8.13	10/03/2011
Voya Solution 2025 Portfolio - Initial Class - 790 (2)	5.37	2.49	5.37	-3.58	8.13	5.59	9.82		04/29/2005
Voya Solution 2030 Portfolio - Initial Class - 6753 (2)	6.40	2.54	6.40	-4.88	9.04	6.37		9.87	10/03/2011
Voya Solution 2035 Portfolio - Initial Class - 761 (2)	7.06	2.33	7.06	-5.92	9.62	6.31	10.83		04/29/2005
Voya Solution 2040 Portfolio - Initial Class - 6756 (2)	7.49	2.23	7.49	-6.58	10.08	6.87		10.96	10/03/2011
Voya Solution 2045 Portfolio - Initial Class - 764 (2)	7.81	1.99	7.81	-7.54	9.94	6.44	11.38		04/29/2005



Investment Options	1-Mo	3-Mo	YTD	1-Yr	3-Yr	5-Yr	10-Yr	Incept	Fund Inception Date
Voya Solution 2050 Portfolio - Initial Class - 6759 (2)	7.96	2.10	7.96	-7.82	10.03	6.84		11.02	10/03/2011
Voya Solution 2055 Portfolio - Initial Class - 1166 (2)	7.84	2.06	7.84	-7.88	10.02	6.52		8.31	03/08/2010
Voya Solution 2060 Portfolio - Initial Class - 3290 (2)	7.91	2.10	7.91	-7.88	10.11			5.64	02/09/2015
Voya Solution Income Portfolio - Initial Class - 767 (2)	3.47	2.53	3.47	-1.12	5.29	4.10	6.77		04/29/2005
Balanced									
<i>Allocation--50% to 70% Equity</i>									
VY® T. Rowe Price Capital Appreciation Portfolio - Inst - 1257	7.08	4.51	7.08	3.92	11.36	9.88	13.70		01/24/1989
Large Cap Value									
<i>Large Blend</i>									
Voya Growth and Income Portfolio - Class I - 001	6.19	-0.34	6.19	-2.84	12.12	8.42	13.32		12/31/1979
Voya U.S. Stock Index Portfolio - Institutional Class - 829	7.97	0.18	7.97	-2.74	13.55	10.49	14.53		05/03/2004
<i>Large Value</i>									
BlackRock Equity Dividend Fund - Institutional Shares - 8518	6.94	-0.98	6.94	-5.63	12.01	8.79	12.40		11/29/1988
Large Cap Growth									
<i>Large Growth</i>									
Voya Large Cap Growth Portfolio - Institutional Class - 742	8.70	1.48	8.70	0.70	15.23	12.40	16.85		05/03/2004
Small/Mid/Specialty									
<i>Mid-Cap Blend</i>									
Voya Russell™ Mid Cap Index Portfolio - Class I - 1560	10.71	2.17	10.71	-3.35	12.70	8.30	15.52		03/04/2008
<i>Mid-Cap Growth</i>									
Principal MidCap Fund - Class R-5 - 3412	9.20	3.46	9.20	-2.69	14.59	10.42	16.44		12/06/2000
<i>Small Blend</i>									
Voya Russell™ Small Cap Index Portfolio - Class I - 1563	11.31	-0.45	11.31	-3.83	14.26	6.94	14.15		03/04/2008
Voya Small Company Portfolio - Class I - 042	11.54	0.19	11.54	-9.23	11.78	7.09	13.94		12/27/1996
Global / International									
<i>Foreign Large Blend</i>									
Voya International Index Portfolio - Class I - 1551	6.64	1.44	6.64	-12.76	6.97	2.36	7.80		03/04/2008
<i>Foreign Large Growth</i>									
American Funds EuroPacific Growth Fund - Class R-4 - 573	8.15	3.99	8.15	-13.70	8.56	3.81	9.03		04/16/1984
<i>World Large Stock</i>									
VY® Oppenheimer Global Portfolio - Initial Class - 432	10.62	2.72	10.62	-10.89	13.02	7.59	13.26		05/01/2002

The risks of investing in small company stocks may include relatively low trading volumes, a greater degree of change in earnings and greater short-term volatility.

Foreign investing involves special risks such as currency fluctuation and public disclosure, as well as economic and political risks.

Some of the Funds invest in securities guaranteed by the U.S. Government as to the timely payment of principal and interest; however, shares of the Funds are not insured nor guaranteed.

High yielding fixed-income securities generally are subject to greater market fluctuations and risks of loss of income and principal than are investments in lower yielding fixed-income securities.

Sector funds may involve greater-than average risk and are often more volatile than funds holding a diversified portfolio of stocks in many industries. Examples include: banking, biotechnology, chemicals, energy, environmental services, natural resources, precious metals, technology, telecommunications, and utilities.

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<i>High Yield Bond</i>									
PGIM High Yield Fund - Class Z - 2482	-1.96	-4.20	-1.44	-1.44	6.88	4.04	10.22		03/01/1996
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Additional Notes

(1)The current rate for the Voya Fixed Account - 457/401 II A MC 901, Fund 4573 is 1.75%, expressed as an annual effective yield. The current rate may change and be higher or lower than the previously identified rate but is guaranteed not to be less than 1.00%. VRIAC will not apply a decrease to the current rate following a rate change initiated solely by us prior to the last day of the three-month period measured from the first day of the month in which such change was effective. Note: The current rate for an initial investment in the fixed account previously identified may be in effect for less than a full three-month period.

(2)There is no guarantee that any investment option will achieve its stated objective. Principal value fluctuates and there is no guarantee of value at any time, including the target date. The "target date" is the approximate date when you plan to start withdrawing your money. When your target date is reached, you may have more or less than the original amount invested. For each target date Portfolio, until the day prior to its Target Date, the Portfolio will seek to provide total returns consistent with an asset allocation targeted for an investor who is retiring in approximately each Portfolio's designation Target Year. Prior to choosing a Target Date Portfolio, investors are strongly encouraged to review and understand the Portfolio's objectives and its composition of stocks and bonds, and how the asset allocation will change over time as the target date nears. No two investors are alike and one should not assume that just because they intend to retire in the year corresponding to the Target Date that that specific Portfolio is appropriate and suitable to their risk tolerance. It is recommended that an investor consider carefully the possibility of capital loss in each of the target date Portfolios, the likelihood and magnitude of which will be dependent upon the Portfolio's asset allocation. On the Target Date, the portfolio will seek to provide a combination of total return and stability of principal.

Stocks are more volatile than bonds, and portfolios with a higher concentration of stocks are more likely to experience greater fluctuations in value than portfolios with a higher concentration in bonds. Foreign stocks and small and midcap stocks may be more

See Performance Introduction Page for Important Information

Additional Notes

volatile than large cap stocks. Investing in bonds also entails credit risk and interest rate risk. Generally investors with longer timeframes can consider assuming more risk in their investment portfolio.

The Voya Solution PortfoliosSM are actively managed and the asset allocation adjusted over time. The portfolios may merge with or change to other portfolios over time. Refer to the prospectus for more information about the specific risks of investing in the various asset classes included in the Voya Solution Portfolios.

(3)The Investment Option is neither a mutual fund nor part of a Separate Account. The returns listed do not include the impact of contract charges. Please refer to the contract or disclosure book to determine which Fixed Interest Options are available for your specific plan. The Investment Option is offered through Voya Retirement Insurance and Annuity Company.

Insurance products, annuities and funding agreements issued by Voya Retirement Insurance and Annuity Company, One Orange Way Windsor, CT 06095, (VRIAC), which is solely responsible for meeting its obligations. Plan administrative services provided by VRIAC or Voya Institutional Plan Services, LLC. All companies are members of the Voya family of companies. Securities are distributed by or offered through Voya Financial Partners, LLC (member SIPC) or other broker-dealers with which it has a selling agreement.

The returns do not reflect the impact of a Deferred Surrender Charge. If included, performance would be less favorable.

Not all investments options are available under all contracts; please check your disclosure booklet for options available under your plan.