

# Outsmarting Volatility During Retirement

*In our view, the retirement “playbook” is being rewritten. Historically low bond yields have complicated the quest for reliable income in retirement. Not only do we want to build the equivalent of a steady paycheck, we also need it to keep pace with inflation.*

## A DIFFERENT PATH WITH LOWER VOLATILITY EQUITIES

One potential solution for creating a reliable income stream in retirement is the systematic withdrawal from an equity portfolio. But it has a catch: market volatility can severely disrupt smart planning. Big losses can get income off track—and keep it off track. Thus, in order to employ this technique effectively, it’s important to choose investments with the potential for steadier compounding.

Take the example of a \$1,000,000 nest egg from which we’re going to withdraw 5% per year: \$50,000 to start, adjusting upward each year to account for a 3% inflation rate. We’ll compare what happens to our nest egg across three different vehicles, two indexed and one actively managed: the Russell 2000 Index, S&P 500 Index, and the Kayne Anderson Rudnick (KAR) Small Cap Core portfolio.

The graphic on the following page shows the results going back to April 1992, the inception date of the KAR Small Cap Core strategy.

### KEY TAKEAWAYS:



*With global bond yields at rock-bottom levels, we believe there is a need to deploy quality equity portfolios more than ever to help fund retirement income.*



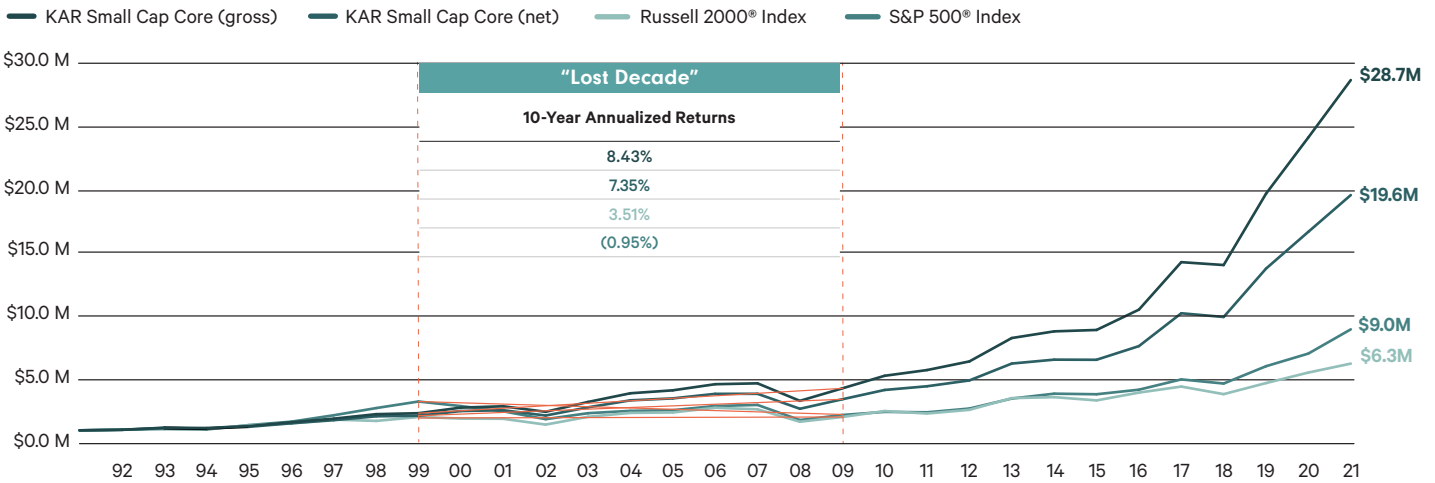
*Because equity markets are volatile, however, investors need to remain vigilant in choosing defensive or risk-mitigating strategies. KAR believes a focus on high-quality companies is a strong strategy for providing downside protection during volatile periods and over market cycles.*



*As we highlight on the next page, even comparing two equity strategies with the same returns, we think the one with better downside protection during falling markets is better positioned to help generate income in retirement, though it is important to note that past performance is no guarantee of future results.*

**A STEADIER SEQUENCE OF RETURNS**

April 1992–December 2021



Starting value of \$1M at April 1, 1992. Withdrawals taken December 31 of each year. Returns shown for 1992 represent nine months of performance only from April 1, 1992 (inception date of the strategy). “Lost Decade” reflects the time period between January 1, 2000 to December 31, 2009 when the S&P 500 Index posted its first negative “named” decade since inception of the index in 1926. Chart returns are cumulative. “Lost Decade” returns are annualized. The performance figures presented above are preliminary, unaudited, unreconciled, and are gross of fees unless otherwise specified. Any net of fees returns shown reflect the payment of investment management fees and in some instances, other fees and expenses, while any gross of fees returns shown do not. For any gross of fees returns shown, a client’s return will be reduced over time by the investment management fees and other expenses their account incurs over time as a client are compounded. KAR’s investment management fees are described in KAR’s Form ADV, Part 2A. Fees presented on the Disclosure page could vary from the assumed fee in the net-of-fee calculation, as actual fees paid by a particular client account differ depending on a variety of factors including, but not limited to, business unit and size of mandate. The fee used on the Disclosure page utilizes an assumed maximum fee across the firm’s business units, which is further detailed on that page. All periods less than one year are total returns for the noted timeframe and are not annualized. All rates of return include reinvested dividends and other earnings. Current performance may be lower or higher than the performance data shown. This material is deemed supplemental and complements the performance and disclosure included in KAR’s strategy fact sheets available on kayne.com. For further details on any referenced composites, please see the disclosure statement that accompanies the respective KAR strategy fact sheet found on kayne.com. Data is obtained from systems believed by KAR to be reliable. To the extent actual performance results are shown in comparison to an index, the index is not actively managed and does not reflect the deduction of any investment management or other fees and expenses. While the securities comprising any such index are not identical to those in the composite, KAR believes this comparison may be useful in evaluating performance. **Past performance is no guarantee of future results.** Returns could be reduced, or losses incurred, due to currency fluctuations.

Even after withdrawing an inflation-adjusted 5% per year—a total of \$2,378,771—the KAR portfolio ended up at \$28,663,982 gross of fees and \$19,580,563 net of fees. Further, the KAR strategy’s long-term performance is highlighted by fewer down years versus the broader equity markets—even during the “lost decade” of the 2000s.

In fact, since inception of the KAR Small Cap Core strategy in 1992 the Russell 2000 Index experienced nine annual losses, while KAR only had three (based on net of fee returns).

The data in the table on the following page exhibits the case of starting retirement at the onset of a prolonged bear market. An investment that offers a more consistent return pattern, including smaller drawdowns, is typically better able to sustain a healthy retirement. In the long run, it matters, as even with a sharp market rebound in 2003 after such an unlucky start, an investment in the S&P 500 would result in negative 10-year annualized returns over this timeframe. The Russell 2000 Index produced okay results after a tough start. Due to playing defense well in the early choppy markets, the KAR Small Cap Core portfolio in this example generated the needed income and left a much larger nest egg to boot.

## STARTING RETIREMENT BEHIND THE 8-BALL

	5% Initial Draw + 3% Inflation (\$)	KAR Small Cap Core (gross) (\$)	Return (%)	KAR Small Cap Core (net) (\$)	Return (%)	Russell 2000® Index (\$)	Return (%)	S&P 500® Index (\$)	Return (%)
2000	\$50,000	\$1,163,752	21.38	\$1,151,852	20.19	\$919,790	(3.02)	\$858,956	(9.10)
2001	\$51,500	\$1,183,935	6.16	\$1,159,167	5.11	\$891,157	2.49	\$705,362	(11.89)
2002	\$53,045	\$980,088	(12.74)	\$948,280	(13.62)	\$655,571	(20.48)	\$496,429	(22.10)
2003	\$54,636	\$1,262,036	34.34	\$1,206,923	33.04	\$910,717	47.25	\$584,190	28.68
2004	\$56,275	\$1,500,701	23.37	\$1,418,136	22.16	\$1,021,370	18.33	\$591,487	10.88
2005	\$57,964	\$1,559,521	7.78	\$1,455,401	6.72	\$1,009,918	4.55	\$562,577	4.91
2006	\$59,703	\$1,709,308	13.43	\$1,574,930	12.31	\$1,135,709	18.37	\$591,729	15.79
2007	\$61,494	\$1,701,831	3.16	\$1,547,066	2.14	\$1,056,431	(1.57)	\$562,745	5.49
2008	\$63,339	\$1,168,168	(27.64)	\$1,044,694	(28.38)	\$636,155	(33.79)	\$291,203	(37.00)
2009	\$65,239	\$1,477,805	32.09	\$1,301,248	30.80	\$743,771	27.17	\$303,030	26.46
2010	\$67,196	\$1,780,086	25.00	\$1,543,470	23.78	\$876,313	26.85	\$281,480	15.06
2011	\$69,212	\$1,891,392	10.14	\$1,613,977	9.05	\$770,510	(4.18)	\$218,213	2.11
2012	\$71,288	\$2,073,970	13.42	\$1,741,280	12.30	\$825,199	16.35	\$181,846	16.00
2013	\$73,427	\$2,624,823	30.10	\$2,169,921	28.83	\$1,072,134	38.82	\$167,316	32.39
2014	\$75,629	\$2,746,273	7.51	\$2,234,123	6.44	\$1,048,979	4.89	\$114,590	13.69
2015	\$77,898	\$2,733,440	2.37	\$2,186,418	1.35	\$924,777	(4.41)	\$38,277	1.38
2016	\$80,235	\$3,175,405	19.10	\$2,498,314	17.93	\$1,041,593	21.31	(\$37,380)	11.96
2017	\$82,642	\$4,255,396	36.61	\$3,297,288	35.29	\$1,111,516	14.65	(\$128,183)	21.83
2018	\$85,122	\$4,134,746	(0.83)	\$3,152,016	(1.82)	\$903,972	(11.01)	(\$207,685)	(4.38)
2019	\$87,675	\$5,737,210	40.88	\$4,309,777	39.51	\$1,047,035	25.52	(\$360,752)	31.49
2020	\$90,306	\$6,976,314	23.17	\$5,166,024	21.96	\$1,165,726	19.96	(\$517,432)	18.40
2021	\$93,015	\$8,225,138	19.23	\$6,006,202	18.06	\$1,245,460	14.82	(\$758,978)	28.71
<b>Total Withdrawn</b>	<b>\$1,526,839</b>	<b>Average Annual Return</b>	<b>13.67</b>		<b>12.55</b>		<b>8.44</b>		<b>7.53</b>

Starting value of \$1M at January 1, 2000. Withdrawals taken December 31 of each year. The performance figures presented above are preliminary, unaudited, unreconciled, and are gross of fees unless otherwise specified. Any net of fees returns shown reflect the payment of investment management fees and in some instances, other fees and expenses, while any gross of fees returns shown do not. For any gross of fees returns shown, a client's return will be reduced over time by the investment management fees and other expenses their account incurs over time as a client are compounded. KAR's investment management fees are described in KAR's Form ADV, Part 2A. Fees presented on the Disclosure page could vary from the assumed fee in the net-of-fee calculation, as actual fees paid by a particular client account differ depending on a variety of factors including, but not limited to, business unit and size of mandate. The fee used on the Disclosure page utilizes an assumed maximum fee across the firm's business units, which is further detailed on that page. All periods less than one year are total returns for the noted timeframe and are not annualized. All rates of return include reinvested dividends and other earnings. Current performance may be lower or higher than the performance data shown. This material is deemed supplemental and complements the performance and disclosure included in KAR's strategy fact sheets available on kayne.com. For further details on any referenced composites, please see the disclosure statement that accompanies the respective KAR strategy fact sheet found on kayne.com. Data is obtained from systems believed by KAR to be reliable. To the extent actual performance results are shown in comparison to an index, the index is not actively managed and does not reflect the deduction of any investment management or other fees and expenses. While the securities comprising any such index are not identical to those in the composite, KAR believes this comparison may be useful in evaluating performance. **Past performance is no guarantee of future results.** Returns could be reduced, or losses incurred, due to currency fluctuations.

The Russell 2000 Index is a market capitalization-weighted index of the 2,000 smallest companies in the Russell Universe, which comprises the 3,000 largest U.S. companies. The S&P 500 Index a free-float market capitalization-weighted index of 500 of the largest U.S. companies. The indexes are calculated on a total return basis with dividends reinvested. The indexes are unmanaged, their returns do not reflect any fees, expenses, or sales charges, and they are not available for direct investment.

## DISCLOSURE

Year	Composite Gross Return (%)	Composite Net Return (%)	Russell 2000®		Benchmark 3-Yr Std Dev (%)	Number of Accounts	Internal Dispersion (%)	Composite Assets (\$ Millions)	Firm Assets (\$ Millions)
			Index Annual Return (%)	Composite 3-Yr Std Dev (%)					
2011	10.14	9.05	(4.18)	20.61	25.34	88	0.67	362	5,232
2012	13.42	12.30	16.35	15.26	20.48	102	0.33	541	6,545
2013	30.10	28.83	38.82	11.81	16.68	121	1.41	1,018	7,841
2014	7.51	6.44	4.89	9.79	13.31	145	0.24	965	7,989
2015	2.37	1.35	(4.41)	11.28	14.16	157	0.23	1,048	8,095
2016	19.10	17.93	21.31	12.50	15.99	209	0.49	1,303	9,989
2017	36.61	35.29	14.65	11.59	14.11	392	0.70	2,091	14,609
2018	(0.83)	(1.82)	(11.01)	14.03	16.01	557	0.45	2,619	17,840
2019	40.88	39.51	25.52	14.77	15.93	719	0.89	3,692	25,685
2020	23.17	21.96	19.96	19.35	25.63	895	1.02	4,775	39,582

The Russell 2000® Index is a trademark/service mark of Frank Russell Company. Russell® is a trademark of Frank Russell Company.

KAR (as defined below) claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS® standards. KAR has been independently verified for the period from January 1, 1999 through December 31, 2020.

A firm that claims compliance with the GIPS standards must establish policies and procedures for complying with all the applicable requirements of the GIPS standards. Verification provides assurance on whether the firm's policies and procedures related to composite, as well as the calculation, presentation, and distribution of performance, have been designed in compliance with the GIPS standards and have been implemented on a firm-wide basis.

The Small Cap Core Composite has had a performance examination for the period from January 1, 1999 through December 31, 2020. The verification and performance examination reports are available upon request.

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Kayne Anderson Rudnick Investment Management, LLC ("KAR"), a wholly owned subsidiary of Virtus Investment Partners, Inc., is a registered investment advisor under the Investment Advisers Act of 1940. Registration of an Investment Advisor does not imply any level of skill or training. KAR manages a variety of equity and fixed-income strategies focusing exclusively on securities the firm defines as high quality.

The composite includes all discretionary institutional and pooled Small Cap Core Portfolios. Small Cap Core Portfolios are invested in equity securities with market capitalizations consistent with the Russell 2000® Index, that have market control, rising free cash flow, shareholder-oriented management, strong consistent profit growth and low-debt balance sheets. For comparison purposes, the composite is measured against the Russell 2000® Index. The Russell 2000® Index is a market capitalization-weighted index of the 2,000 smallest companies in the Russell Universe, which comprises the 3,000 largest U.S. companies. The index is calculated on a total-return basis with dividends reinvested. Benchmark returns are not covered by the report of the independent verifiers. The inception date of the composite is April 1992. The composite was created in April 1992. Policies for valuing investments, calculating performance, and preparing GIPS Reports are available upon

request. The firm's list of composite descriptions, list of broad distribution pooled fund and the list of limited distribution pooled funds descriptions are available upon request.

Prior to December 31, 2010, only non-taxable portfolios are included in the composite. As of January 1, 2011, the composite was redefined to include both taxable and tax-exempt accounts. As of January 1, 2011, the composite was redefined to include both institutional and mutual fund [or pooled] accounts. Previously, only institutional accounts were included.

The model management fee used for the net returns in this table is 1.00% for all periods presented. The standard Institutional management fee schedule currently in effect is as follows: 1.00% for the first \$25 million; 0.80% on the next \$25 million; 0.70% on the balance. The maximum Wealth Advisory Services Fee in effect is 1.30% for all assets, which breaks out as follows: 1.00% for the first \$3 million; 0.80% on the next \$2 million; 0.70% on the next \$5 million; 0.60% on the balance; with an additional 0.30% for any assets invested in separately managed accounts strategies. The standard investment advisory fee schedule currently in effect for clients not engaging in Wealth Advisory Services is 1.00%. Actual management fees charged may vary depending on applicable fee schedules and portfolio size, among other things. Additional information may be found in Part 2A of Form ADV, which is available on request. The performance information is supplied for reference. Past performance is no guarantee of future results. Results will vary among accounts. The U.S. dollar is the currency used to express performance. Returns are presented net of transaction fees and include the reinvestment of all income. Gross returns will be reduced by investment management fees and other expenses that may be incurred in the management of the account. Model net returns have been calculated by deducting 1/12th of the highest tier of the standard management fee schedule in effect for the respective period from the gross composite returns on a monthly basis.

Internal dispersion is calculated using the asset-weighted standard deviation of annual gross returns for accounts in the composite for the entire year. For those years when less than five accounts were included for the full year, no dispersion measure is presented. The three-year annualized ex-post standard deviation measures the variability of the composite (using gross returns) and the benchmark for the 36-month period.