

Invesco Investment Grade Govt-Credit Long Term SMA

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Why invest in this strategy

- 1 Targeted active management**
We seek to enhance returns through an active approach to security selection and sector allocation, and a passive approach to managing interest rate risk.
- 2 Technology automation**
Technology fuels our efficient, scalable portfolio management process; this leads to faster, more seamless trade execution.
- 3 Customization**
We build portfolios that are customized to reflect clients' views, values, tax situation, and liquidity needs in a cost-efficient manner.

What this strategy does

The strategy invests in investment grade taxable bonds, which may include corporate, treasury/agency, government MBS, TIPS, and taxable municipal bonds. It targets a weighted average portfolio duration of greater than five years with no limitation on individual bond maturities and exhibits extensive sensitivity to changes in interest rates.

Overview (as of 06/30/2024)

Composite AUM	\$187 mil
Strategy AUM	\$300 mil
Type/sub category	Fixed Income Investment Grade
Inception date	3/31/2015
Separate account minimum	\$250 thousand
Average number of holdings	25
Portfolio manager (Industry start date)	Eddie Bernhardt (1999), Tim Benzel (2006), Matt Brill (2002), Ryan Watts (2002), Todd Schomberg (2010)
Investment Advisor	Invesco Managed Accounts, LLC
Benchmark ¹	ICE BofA AAA-A U.S. Corporate & Government Index

Portfolio characteristics²

	Strategy	Benchmark
Yield to Worst (YTW)	4.75	4.77
Yield to Maturity	4.77	4.78
Weighted Average Maturity (Years)	8.45	8.67
Effective Duration (Years)	6.35	6.22
Average Coupon	2.71	3.17
Average Credit Quality ³	AAA-	AA2

Quality breakdown

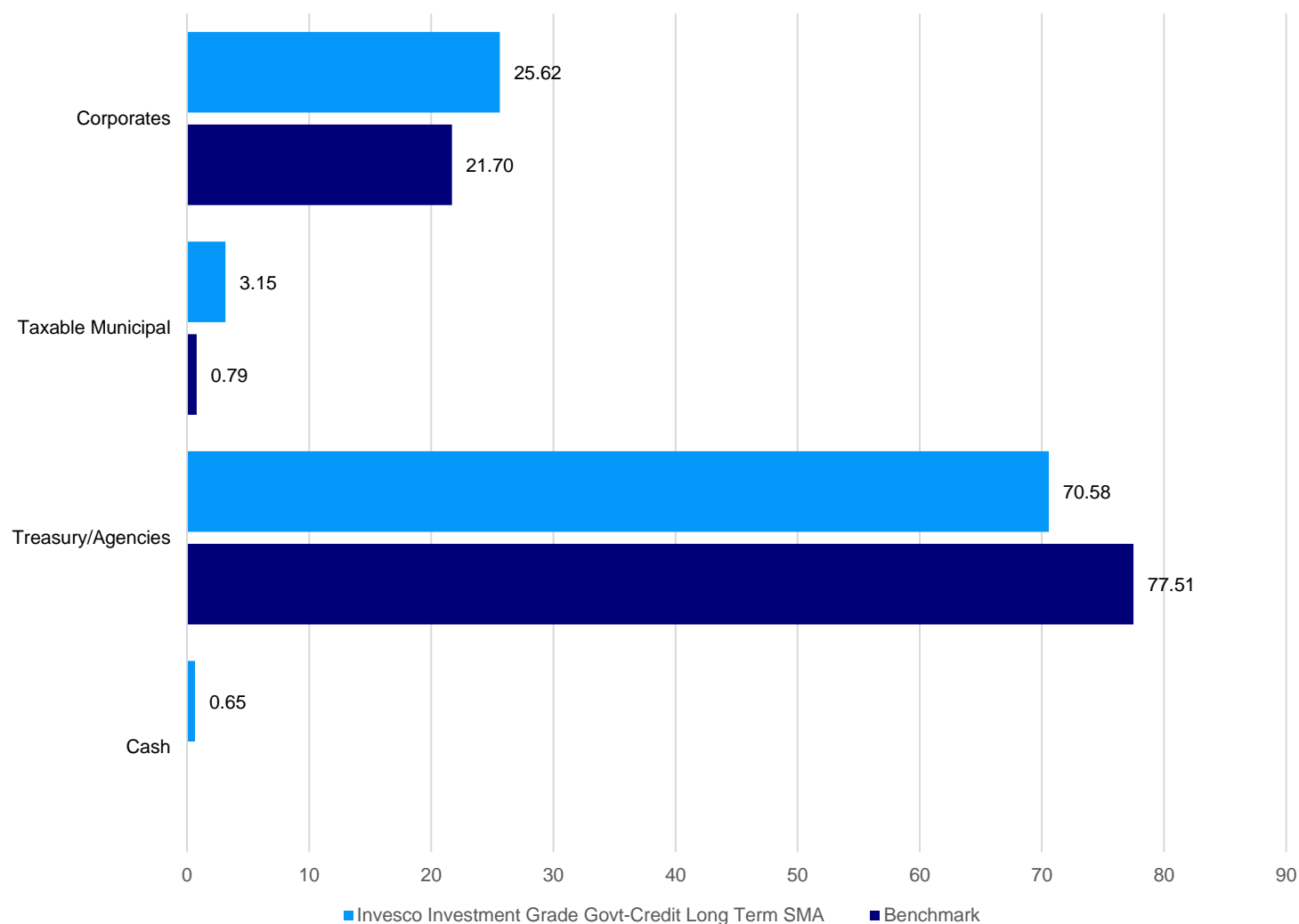
Net cash & equiv.	0.65
AAA	72.15
AA	3.78
A	21.95
BBB	1.47
BB	0.00

Source: Invesco, Investortools. These portfolio statistics are subject to change. Ratings source: Standard & Poor's, Moody's or Fitch, as applicable. If securities are rated differently by the rating agencies, the higher rating is applied. Data as of 6/30/24.

1. Please see Disclosure Statement for benchmark index description.
2. The portfolio characteristics are based on a representative account for the strategy and are subject to change without notice.
3. Average credit quality (ACQ) is an internal measurement calculated by taking the highest rating of the three major rating agencies (S&P, Moody's & Fitch) at a security level. It is then changed into a numerical value, asset weighted and then calculated to be shown at the portfolio level in Moody's format. Non-rated securities are not included in the average quality calculation. Information on non-rated securities is provided in the Quality Distribution chart, if applicable. ACQ calculations may vary across the industry and should not be the only factor in analyzing a portfolio. Please review all information carefully before investing. Ratings are measured on a scale that generally ranges from AAA (highest) to D (lowest); ratings are subject to change without notice. If securities are rated differently by the rating agencies, the higher rating is applied. Not Rated indicates the debtor was not rated and should not be interpreted as indicating low quality.

The strategy assets under management displayed above reflects multiple composites. Please refer to the GIPS Presentation at the end of this report for additional information.

Sector breakdown (% of total net assets)



Portfolio statistics (annualized)

3 Years

Information Ratio	0.13
Sharpe Ratio	-0.94
Beta	0.98
Tracking Error	0.48
Standard Deviation	6.76

Information is based on a representative account of the composite.

Standardized performance (%) as of June 30, 2024

	QTD	YTD	1 Year	3 Years	5 Years	10 Years	Since inception (03/31/2015)
Invesco Investment Grade Govt-Credit Long Term SMA (gross)	0.10	-0.65	2.35	-3.16	-0.32	-	1.14
Invesco Investment Grade Govt-Credit Long Term SMA (net)	0.08	-0.70	2.24	-3.33	-0.60	-	0.80
Benchmark	0.12	-0.63	2.11	-3.22	-0.39	-	0.90

Benchmark: ICE BofA AAA-A U.S. Corporate & Government Index

Performance returns less than one year are not annualized.

Past performance is not indicative of future results. An investment cannot be made directly in an index.

Invesco Investment Grade Govt-Credit Long Term SMA

Year	Gross return (%)	Net return (%)	Benchmark Return (%)	Composite dispersion (%)	Composite 3-Year annualized standard deviation (%)	Benchmark 3-Year annualized standard deviation (%)	Number of accounts	Composite assets (\$ millions)	Total firm assets (1) (\$ billions)
2023	4.95	4.79	4.73	0.34	6.68	6.81	36	49	900
2022	-13.06	-13.24	-13.10	N/A	5.70	5.80	5	4	865
2021	-1.74	-2.09	-2.11	N/A	4.18	4.22	5	5	975
2020	8.06	7.61	8.50	0.20	3.91	3.96	6	4	876
2019	8.37	7.93	8.26	N/A	3.39	3.36	<5	3	826
2018	0.50	0.12	0.27	N/A	3.17	3.21	<5	2	N/A
2017	3.56	3.19	3.22	N/A	N/A	N/A	9	9	N/A
2016	2.57	2.12	1.92	N/A	N/A	N/A	<5	1	N/A
2015*	-0.28	-0.64	-0.98	N/A	N/A	N/A	<5	1	N/A

*Returns less than one year are not annualized. Returns are for the period from March 31, 2015 (inception) through December 31, 2015.
Benchmark: ICE BofA AAA-A U.S. Corporate & Government Index

Annualized Compound Rates of Return Ending December 31, 2023

Period	Gross return (%)	Net return (%)	Benchmark Return (%)
1 Year	4.95	4.79	4.73
3 Year	-3.57	-3.80	-3.78
5 Year	0.98	0.67	0.92
Since Inception (03/31/2015)	1.28	0.92	1.02

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- The Invesco Investment Grade Govt-Credit Long Term Composite (formerly SNW Taxable Long Composite) includes every fully representative portfolio managed in the strategy. The composite includes portfolios that generally hold at least 80% of assets in securities whose interest is subject to federal taxation. All portfolios included in the composite are actively managed. All holdings within the portfolios are investment grade and dollar denominated. Eligible securities include those in the municipal, U.S. Treasury, government-related, and corporate sectors of the investment-grade bond market. The weighted average duration of the portfolios included in the composite is greater than five years, and the weighted average credit rating of member portfolios is single A or above. The composite is managed in comparison to, not duplication of the benchmark. The composite inception date is 3/31/2015. The composite was created in July 2016.
- The Composite gross-of-fee returns reflect the reinvestment of income and the impact of transaction costs, but do not include the deduction of investment advisory fees, distribution expenses or any other account expenses, such as custodial fees. Composite net-of-fee returns are calculated by deducting actual management fees from the underlying portfolios' gross returns. Annual fees for the Invesco Investment Grade Govt-Credit Long Term SMA product range up to 0.75% of the market value of the assets under management. Minimum account size is \$250,000. Actual fees may vary depending on, among other things, the vehicle type, applicable fee schedule and portfolio size.
- The ICE Bank of America Merrill Lynch AAA-A U.S. Corporate & Government Index is an unmanaged index that is a subset of the ICE Bank of America Merrill Lynch U.S. Corporate & Government Index. It includes securities rated AAA through A3, inclusive. For comparison purposes the index is fully invested, which includes the reinvestment of income. The returns for the index do not include any transaction costs, management fees or other costs.
- The dispersion of annual returns is measured by the equal-weighted standard deviation of account returns included in the equal composite for the full year. For periods with five or fewer accounts included for the entire year, dispersion is not presented as it is not considered meaningful.
- The three-year annualized ex-post standard deviation measures the variability of the monthly returns of the composite and the benchmark over the preceding 36 months. The standard deviation is not presented where there is less than 36 months of performance history.
- Prior to September 1, 2019, performance represents results achieved by the respective investment team while it was part of OppenheimerFunds, Inc. Invesco acquired Massachusetts Mutual Life Insurance Company's asset management affiliate OppenheimerFunds on May 24, 2019. Composite assets and returns prior to August 2019 represent results while it was part of OppenheimerFunds. OFI Global was GIPS verified by another firm through December 31, 2018. Effective December 31, 2019, the composite name changed from the SNW Taxable Long Composite to the Invesco Investment Grade Govt-Credit Long Term SMA Composite.

Past performance is not indicative of future results. As with any investment vehicle there is always the potential for gains as well as the possibility of losses.

Definitions

Beta (cash adjusted) is a measure of relative risk and the slope of regression.

Information Ratio measures the risk-adjusted returns of a financial asset or portfolio relative to a certain benchmark.

Sharpe Ratio is a risk-adjusted measure calculated using standard deviation and excess return to determine reward per unit of risk. A higher Sharpe ratio indicates better risk-adjusted performance.

Standard Deviation measures a fund's range of total returns and identifies the spread of a fund's short-term fluctuations.

Tracking Error is defined as the expected standard deviation of a portfolio's excess returns over the benchmark index return.

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