



### Invesco Managed Accounts: High Quality, Tax-Efficient and Tailored Fixed Income

- High Quality**
- Primarily hold A-rated or better
  - Maximum 30% BBB-rated bonds
  - Ongoing rigorous credit analysis
  - Historically, never had bond default

- Tax-Efficient**
- Strategy offerings for all tax profiles
  - State of residence
  - Tax loss harvesting opportunities
  - Inherited portfolio transitioning

- Tailored**
- After-tax yield objective
  - State of residence
  - Duration objective
  - Recurring distribution schedules
  - Impact/ESG objective

- Impact/ESG**
- Manage \$954M in impact AUM
  - Proven track record since 2014
  - Offered in many IMA strategies
  - Focuses offered: General, Environmental, Gender Equity and Education
  - Proprietary and pragmatic approach

**Strategy Asset Class**  
Municipal and Taxable Bond

**Tax-Aware Strategy AUM**  
\$2,283 million

**Impact Tax-Aware Strategy AUM**  
\$233 million

**Portfolio Manager**  
Eddie Bernhardt, CFA  
Tim Benzel, CFA  
Mark Paris

**Composite Inception**  
March 31, 2006

**Composite Benchmark<sup>1</sup>**  
67% ICE BofAML 1-5 Year U.S. Municipal Securities Index  
33% ICE BofAML 1-5 Year AAA-A U.S. Corporate & Government Index

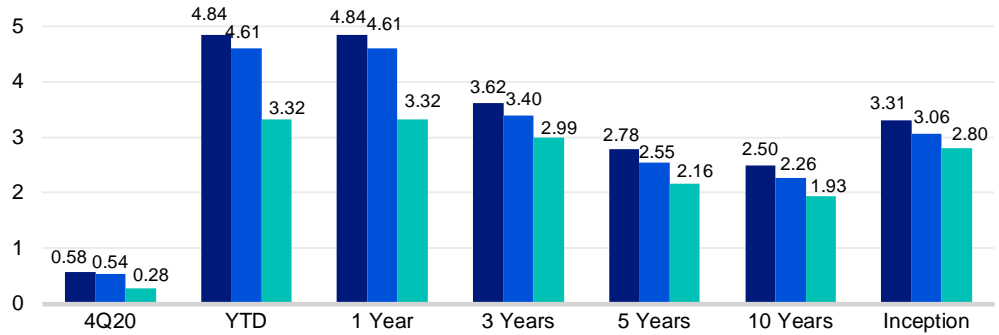
**Available Vehicles**  
Separate Account

**Separate Account Minimum**  
\$250 thousand

**About the Team**  
Our investment team, solely focused on managing high quality, tax-efficient separate account portfolios for high net worth and institutional investors, averages 17 years of industry experience and has a proven track record of generating consistent, risk-adjusted outperformance with benchmark-like levels of volatility.

For additional information, please visit our website at [www.invesco.com/IMA](http://www.invesco.com/IMA).

### Composite Performance (%)



- Invesco Tax-Aware Short Term SMA Composite (gross-of-fees)
- Invesco Tax-Aware Short Term SMA Composite (net-of-fees)
- Custom Benchmark

### Portfolio Statistics (annualized)

	3-Year
Information Ratio	1.11
Sharpe Ratio	1.25
Beta	1.22
Tracking Error	0.57
Standard Deviation	1.65

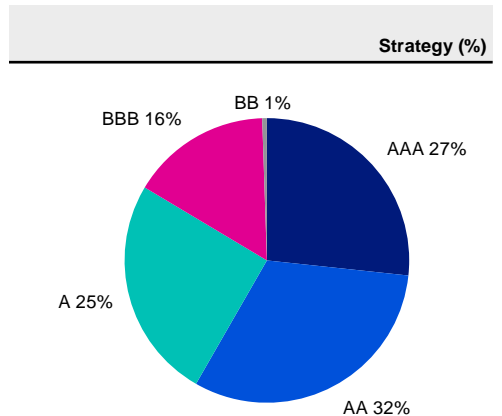
### Sector Breakdown

	Strategy (%)	Benchmark (%)
Municipals - Tax Exempt	66.33	67.00
Municipals - Taxable	0.75	0.30
Treasuries/Agencies	6.67	27.41
Corporates	26.25	0.00

### Portfolio Characteristics

	Strategy	Benchmark
Targeted number of holdings	25	-
Yield to Worst (YTW)	0.47	0.38
Weighted Average Maturity (Years)	2.95	2.73
Option Adjusted Duration (Years)	2.47	2.50
Average Coupon	3.55	3.85
Average Credit Quality	AA-	AA

### Credit Rating



1. Please see Disclosure Statements for benchmark index description.

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. For more information on the rating methodology, please visit [www.standardandpoors.com](http://www.standardandpoors.com) and select 'Understanding Ratings' under Rating Resources on the homepage; [www.moodys.com](http://www.moodys.com) and select 'Rating Methodologies' under Research and Ratings on the homepage; [www.fitchratings.com](http://www.fitchratings.com) and select 'Ratings Definitions' on the homepage.

Past performance is not a guarantee of future results.

### Invesco Tax-Aware Short Term SMA Composite

Year	Gross Return (%)	Net Return (%)	Invesco Tax-Aware Short Term SMA Custom Index Return (%)	Composite Dispersion (%)	Composite 3-Year Annualized Standard Deviation (%)	Benchmark 3-Year Annualized Standard Deviation (%)	Number of Accounts	Composite Assets (\$ millions)	Total Firm Assets (\$ billions)
2019	4.61	4.38	3.97	0.17	2.63	2.60	49	67	826
2018	1.45	1.24	1.69	0.15	1.37	1.31	53	105	214
2017	2.26	2.03	1.31	0.17	1.36	1.28	45	46	249
2016	0.79	0.55	0.54	0.18	1.31	1.18	50	64	216
2015	1.51	1.25	1.16	0.18	1.14	0.98	47	58	216
2014	2.04	1.77	1.34	0.42	1.15	0.90	33	37	236
2013	0.65	0.40	0.86	0.29	1.23	0.97	33	37	230
2012	3.21	2.96	1.74	0.33	1.20	1.08	33	39	194
2011	3.77	3.51	3.46	0.49	1.64	1.41	22	28	166
2010	3.31	3.05	2.52	0.69	2.45	2.27	21	25	180

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- Invesco Worldwide claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. Invesco Worldwide has been independently verified for the periods January 1, 2003 through December 31, 2019. The legacy firms that constitute Invesco Worldwide have been verified since 2001 or earlier. The verification reports are available upon request. Verification assesses whether (1) the firm has complied with all the composite construction requirements of the GIPS standards on a firm-wide basis and (2) the firm's policies and procedures are designed to calculate and present performance in compliance with the GIPS standards. Verification does not ensure the accuracy of any specific composite presentation.
- A complete list and description of Firm composites and performance results is available upon request. Additional information regarding policies for calculating and reporting returns is available upon request. All returns are expressed in U.S. dollars and are gross of nonreclaimable withholding tax, if applicable.
- The Invesco Tax-Aware Short Term SMA Composite (formerly named SNW Municipal/Taxable Blend Short Composite) includes every fully representative portfolio managed in the strategy. The composite includes portfolios that generally hold at least 50% but no more than 80% of assets in securities that are exempt from federal taxes. All portfolios included in the composite are actively managed. Portfolios are actively managed with tax efficient considerations with regard to any state and local income taxes. 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 between two and three years, and the weighted average credit rating of member portfolios is single A or above. The name of the Composite was changed from Blend Short on June 30, 2018. The composite is managed in comparison to, not duplication of the benchmark. The composite inception date is 3/31/2006. The composite was created in January 2012.
- 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 Tax-Aware Short Term SMA product range up to 0.75% of the market value of the assets under management. The 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 Custom Benchmark is an unmanaged index that is a custom-weighted blend of 67% of the ICE Bank of America Merrill Lynch 1-5 Year U.S. Municipal Securities Index (a subset of the ICE Bank of America Merrill Lynch U.S. Municipal Securities Index including all securities with a remaining term to final maturity less than 5 years, and 33% of the ICE Bank of America Merrill Lynch 1-5 Year AAA-A U.S. Corporate & Government Index (a subset of the ICE Bank of America Merrill Lynch U.S. Corporate & Government Index including all securities with a remaining term to final maturity less than 5 years and 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 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 KPMG through December 31, 2018. Effective December 31, 2019, the composite name changed from the SNW Municipal/Taxable Blend Short Composite to the Invesco Tax-Aware Short 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.**

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