Important information

Picking investments is just one decision you have to make with a variable annuity. There are other important considerations as well, including:

An annuity is a long-term, tax-deferred investment designed for retirement that will fluctuate in value. It allows you to create a fixed or variable stream of income through a process called annuitization and also provides a variable rate of return based on the performance of the underlying investments.

But, as with most things in life, an annuity does have limitations. If you decide to take your money out early, you may face fees called surrender charges. Plus, if you're not yet 59½, you may also have to pay an additional 10% tax penalty on top of ordinary income taxes. Naturally, if you do take an early withdrawal, your death benefit!

and the contract value of the annuity contract will be reduced.

Also know an annuity contains guarantees and protections that are subject to the issuing insurance company's ability to pay for them. But these guarantees don't apply to any variable accounts that are subject to investment risk, including possible loss of your principal.

An annuity is a contract between you and an insurance company and it's sold by prospectus. While it may take some time, you should read it. It describes risks, fees and charges that may apply to you. Variable annuities have fees and charges that include mortality and expense, administrative fees, contract fees, and the expense of the underlying investment options.

Additionally, each investment option with an annuity has its own prospectus that describes the style, objective, risks and expenses associated with the investment. You should read these prospectuses too before directing any money in your variable annuity contract to these investments.

Performance returns assume the reinvestment of all distributions. Returns for periods less than one year are not annualized. Total returns reflect a contractual expense limitation for direct annual Fund expenses for all classes for certain periods since inception, without which returns would have been lower. Performance numbers do not reflect and would be reduced by the insurance-related fees and charges of the variable product. Please consult the variable product prospectus for information about these fees and charges. To obtain the most recent standardized performance, go to https://www.nationwide.com/variable-annuity-prospectus-and-performance. isp.

Variable products are sold by prospectus. Carefully consider the investment objectives, risks, charges and expenses. The product and underlying fund prospectuses contain this and other important information. Investors should read them carefully before investing. To request a copy, go to nationwide.com or call 1-800-848-6331.

Individuals selling these products must be licensed insurance agents and registered representatives.

The investment options discussed in this brochure are only available in variable annuity products issued by life insurance companies. They are not offered or made available directly to the general public. These portfolios contain different investments than similarly named mutual funds offered by the money manager. Investment results may result in higher or lower returns.

Federal income tax laws are complex and subject to change. The information in this brochure is based on current interpretations of the law and is not guaranteed. Neither the company nor its agents/representatives give legal or tax advice. Please consult your tax or legal advisor for answers to your specific questions.

Variable products are issued by Nationwide Life Insurance Company or Nationwide Life and Annuity Insurance Company, Columbus, OH. The general distributor is Nationwide Investment Services Corporation (NISC), member FINRA. Nationwide Funds distributed by Nationwide Fund Distributors LLC (NFD), member FINRA, Columbus, OH.

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Contracts: APO-1293-3A, APO-1293-36, APO-2581, APO-2938, APO-3275-B, APO-3417, APO-3531, APO-3691, APO-3694, APO-4834, APO-4944, APO-5015, APO-5074, APO-5108, APO-5224, APO-5801, APO-5802, FAC-0100AO, FAC-0103AO, FAC-0107AO, FACC-0102AVPP, FACC-0106NYPP, FACC-0107NYPP, FHL-716, FHL-739, FHL-760-A, FHL-766, ICCO8-IAC-0102AO, ICCI1-VAC-0116AOCV1, ICCI1-VAC-0118AOCV1,

ICC11-VAC-0120AOCV.2, ICC11-VAC-0121AOCV.1, ICC11-AC-0126AOCV.1, ICC12-FACC-0100AOPP, ICC12-FACC-0102AOPP, ICC12-FACC-0104AOPP, ICC12-FACC-0105AOPP, ICC12-VAC-0101AOCV, ICC15-VACC-0105AOCV, VAC-0102AO, VAC-0103AO, VAC-0104AO,VAC-0105AO, VAC-0106AO, VAC-0107AO, VAC-0103AO, VAC-0109AO, VAC-0110AO VAC-0111AO, VAC-0113AO, VAC-0114AO, VAC-0115AO, VAC-0116AOCV, VAC-0116NYCV.2, VAC-0117AOCV, VAC-0117NYCV.2, VAC-0118AOCV, VAC-01120AOCV.1, VAC-0120AOCV.1, VAC-0120AOCV.3, VAC-0120AOCV.3, VAC-0120AOCV.3, VAC-0105AOCV

Government Money Market Funds: Funds are not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The funds are open to all investors and although they seek to preserve the value of the investment at \$1.00 per share, they cannot guarantee they will do so. You could lose money by investing in a fund. A fund may impose a fee upon sale of shares or temporarily suspend the ability to sell shares if the fund's liquidity falls below required minimums because of market conditions or other factors. The fund's sponsor has no legal obligation to provide financial support to the fund, and you should not expect that the sponsor will provide financial support to the fund at any time.

International/emerging markets funds: Funds that invest internationally involve risks not associated with investing solely in the U.S., such as currency fluctuation, political risk, differences in accounting and the limited availability of information.

Small/Mid-cap funds: Funds investing in stocks of small-cap, mid-cap, or emerging companies may have less liquidity than those investing in larger, established companies and may be subject to greater price volatility and risk than the overall stock market.

High-yield funds: Funds that invest in high-yield securities are subject to greater default risk, liquidity risk, and price fluctuations than funds that invest in higher-quality securities. The prices of high-yield bonds tend to be more sensitive to adverse economic and business conditions than are higher-rated corporate bonds. Increased volatility may reduce the market value of high-yield bonds. They are also subject to the claims paying ability of the issuing company.

Nondiversified funds: Funds that invest in a concentrated sector or focus on a relatively small number of securities may be subject to greater volatility than a more diversified investment.

Government funds: While the funds invest primarily in the securities of the U.S. government and its agencies, the values are not guaranteed by these entities.

Real estate funds: Funds that focus on real estate investing are sensitive to economic and business cycles, changing demographic patterns and government actions.

Funds-of-funds: Designed to provide diversification and asset allocation across several types of investments and asset classes, primarily by investing in underlying funds. Therefore, in addition to the expenses of the portfolio, you are indirectly paying a proportionate share of the applicable fees and expenses of the underlying funds.

Bond Funds: These funds have the same interest rate, inflation and credit risk associated with the underlying bonds owned by the fund. Interest rate risk is the possibility of a change in the value of a bond due to changing interest rates. Inflation risk arises from the decline in the value of cash flows due to loss of purchasing power. Credit risk is the potential loss on an investment based on the bond issuer's failure to repay on the amount borrowed.

Target Date/Maturity funds: For products that do include Target Date/Maturity funds please keep in mind that like other funds, target date funds are subject to market risk and loss. Loss of principal can occur at any time, including before, at or after the target date. There is no guarantee that target date funds will provide enough income for retirement.

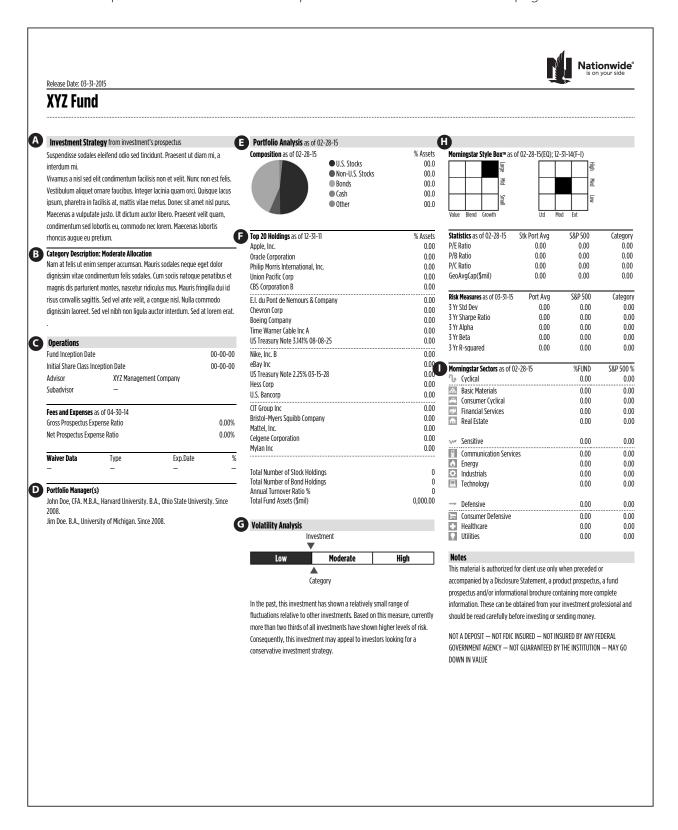
Managed volatility funds: Designed to offer traditional long-term investment allocations blended with a strategy that seeks to mitigate risk and manage portfolio volatility. These funds may not be successful in reducing volatility, and it is possible that the funds' volatility management strategies could result in losses greater than if the funds did not use such strategies.

Commodities/natural resources: Specific uncertainties associated with commodities investing include changes in supply and demand relationships due to environmental, economic and political factors, which may cause increased volatility and decreased liquidity.

¹ Death benefit: The payment that the investor's beneficiary or estate receives when the annuitant dies.

Digging into the facts

On the sample fact sheet below, we've mapped where to find relevant information about each investment option. You can review a description of each section on the next page.



A Investment Strategy

A summary of the investment objectives and policies, how the manager(s) intends to achieve the objective and any limitations to the investment's policies

B Category Description

Describes the category Morningstar assigns to each investment option based on the past three years of stock and bond holdings

C Expense Ratio

Percentage of money taken from your investment account each year to pay operating and management expenses of the subaccount; includes administrative and marketing related (e.g., 12b-1) fees but not sales charges or product related fees; the Gross Prospectus Expense Ratio does not include waivers and/or reimbursements and therefore, may be higher than the expenses you would pay; the Net Prospectus Expense Ratio includes the waivers and reimbursements as indicated in the Waiver Data chart

Portfolio Managers

People (or person) making the buy and sell decisions for the fund and how long they've managed the portfolio

Composition

See Page 5 to learn more about using the composition charts

Top 20 Holdings

Largest holdings as a % of total assets, representing the stocks and bonds with the most influence on an investment's returns

G Volatility Analysis

Shows where the investment falls on the volatility spectrum based on standard deviation; also shows where the portfolio's category lands; for portfolios that haven't been in existence for three years, only the category average is shown

H Morningstar® Style Box™

See Page 4 to learn more about using the style box

Morningstar Sectors

Shows the % of assets held in 12 major industry sectors as determined by Morningstar and compared with the S&P 500; international funds show % of assets by country or region; bond funds show % of assets from least risky to most risky

Important words you may come across:

Alpha	The difference between a fund's actual returns and expected performance; a positive number means the fund has performed better than expected, while a negative number indicates worse performance than expected
Annual Turnover	How frequently the manager has traded portfolio holdings in the last year; 100% turnover means on average all holdings are bought and sold once a year
Average Effective Maturity	For bond investments only, represents a weighted average of all maturities of bonds in the portfolio
Average Effective Duration	For bond investments only, measures the fund's sensitivity to interest rate changes; a longer duration indicates greater sensitivity
Beta	A measure of an investment's sensitivity to market movement; a beta greater than 1 indicates greater volatility than the market; a beta less than 1 indicates lower volatility
Geometric Average Cap (\$ mil)	Indicates the overall size of a stock fund's portfolio by averaging the geometric mean of each stock's market capitalization
Price/Book Ratio	Average of dividing each stock's price by its book value per share
Price/Earnings Ratio	Average of dividing each stock's price by its earnings per share
Price/Cash-Flow Ratio	Average of dividing each stocks price by its cash flow per share
R-Squared	Indicates the % of the investment option's performance that's related to the performance of its benchmark; an R-Squared of 100 means all performance is related to benchmark performance; a low R-Squared means performance is not very related to benchmark performance
Sharpe Ratio	Indicates whether returns are due to management skill or excess risk; a higher number indicates better risk-adjusted returns
Standard Deviation	Statistical measurement of the volatility of returns; a higher number indicates greater swings in returns, while a smaller number indicates lesser swings in returns

How to use the Morningstar® Style Box™

You'll find the Morningstar Style Box in the upper right corner of the fact sheets. The Style Box is a visual tool that can help you see beyond confusing fund names and descriptions and get a better understanding of each investment's style and risk factors.

What the Style Box does

It paints a picture of what's in the investment's portfolio. For stock funds, it shows if the manager invests more in large companies or small companies and if those stocks are generally undervalued or growth-oriented.

For bond funds, the Style Box shows if the underlying securities are long-term, short-term or somewhere in between. It also shows the quality of the underlying securities in the portfolio.

Morningstar uses the Style Box to categorize investments by their similarities, then to rate each investment on its ability to balance risk and reward relative to its peer group. Risk is measured across the nine classifications, increasing from left to right and from top to bottom.

Putting the Style Box to work

As you consider investments, the Style Box can help you easily identify different styles and objectives of funds so you can build a diversified portfolio.

Diversification can help you lower the overall risk of your portfolio by combining different investments. You don't want to invest your entire portfolio in one place. Spreading out your investments across different types, styles and asset classes can reduce wide swings in performance and promote greater consistency of returns

Morningstar® Style Box™

Risk Investment style Median Market cap.

Value Blend Growth Large-cap Large-cap Large-cap Low Large Value Blend Growth Mid-cap Mid-cap Mid-cap Moderate Mid Value Blend Growth Small-cap Small-cap Small-cap High Small Value Blend Growth

Inside the stock fund Style Box, nine classifications exist, ranging from large-cap value in the upper left (more conservative) to small-cap growth in the lower right (more aggressive).

Bond

Risk		Duration			Quality
		Limited	Moderate	Extensive	
Low	\bigcirc	Ltd-term High Quality	Mod-term High Quality	Ext-term High Quality	High
Moderate	\bigcirc	Ltd-term Medium Quality	Mod-term Medium Quality	Ext-term Medium Quality	Medium
High		Ltd-term Low Quality	Mod-term Low Quality	Ext-term Low Quality	Low

Inside the bond fund Style Box, nine classifications exist, ranging from limited-term high quality in the upper left (more conservative) to extensive-term low quality in the lower right (more aggressive).

How to use Morningstar's portfolio illustrations

Each fact sheet includes an analysis of how the investment's portfolio is built. The charts can help you understand how a fund's assets are invested among five asset classes: U.S. Stocks, Non-U.S. Stocks, Bonds, Cash and Other. For each of these asset classes, Morningstar calculates portfolio statistics on the long and short positions. The type of chart you see will depend on whether the portfolio holds long-only positions or a combination of long and short positions.

What's a long position? A short position?

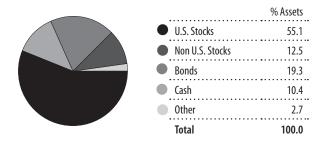
Basically, any investment in a security is considered a long position. When a portfolio manager "goes long," they are buying a stock or bond with the expectation that it will grow in value.

A short position is often taken when the portfolio manager believes a stock or bond or even a market index will fall in value. Short positions are taken by purchasing option contracts to buy or sell a particular security at a specified price and date.

Sometimes, a manager may want to reduce some of the downside risk of owning a particular investment. In these cases, the manager will buy the investment ("go long") while also buying an option contract for the same investment ("go short"). The difference between these long and short positions (the net position) is shown in the portfolio illustrations.

When will you see a pie graph?

When a fund's portfolio takes only long positions in securities, the portfolio's asset allocation is represented in a pie graph that sums to 100%.



When will you see a bar chart?

The fact sheets will include a bar chart when a fund's portfolio contains short and derivative positions of which the net sum, including any offsetting long positions in that asset class, is greater or less than 100%.

The horizontal axis in this chart shows the percentage each asset class holds, with the vertical axis representing a zero value. Values to the right of zero represent positive, or "long" security positions, while values to the left represent negative (or "short") positions. The table to the right adds the long and short values to show the net allocation to each asset class.

For example, in the bar chart image below, the bar representing cash extends to the left of the vertical axis. This indicates negative percentages of cash in which the portfolio is leveraged, meaning it has borrowed against its own assets to buy more securities or that it has used other techniques to gain more than 100% exposure to the market.

