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Dear Friends:

As summer wanes, I happily reflect on the season gone by. It was a busy and exciting summer for me both professionally and personally. The highlight was certainly getting married to my long-time partner, Christina. We were wed in a small, beautiful ceremony overlooking Lake Superior surrounded by family and friends. I feel very fortunate to have her as a partner in life and look to the future with optimism and excitement.

Jesse

"You may delay, but time will not".

-Benjamin Franklin

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Managing Debt While Saving for Retirement

Test Your Investing IQ

Is the Social Security Administration still mailing Social Security Statements?

Chart: Young Adult Milestones, 1975 vs. 2016



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From Data Breaches to Ransomware: How to Avoid Becoming the Victim of a Cybercrime



Each time you connect to the Internet, you risk becoming the victim of a cybercrime. It's the price we pay for living in a digital world — whether it's at home, at work, or on your smartphone.

According to the Identity Theft Resource Institute, the number of U.S. data breaches in 2016 increased by 40%. And as recently as May 2017, a widespread "ransomware" attack targeted personal computers across the globe. While software companies are continually developing strategies to combat the latest cybercrimes, there are some steps you can take to help protect yourself online.

The stronger, the better

It's a scary thought — most of us have a large amount of financial and personal information that's readily accessible through the Internet, in most cases protected by nothing more than a username and password.

Create a strong password by using a combination of lower- and upper-case letters, numbers, and symbols or by using a random phrase. Avoid using a password with your personal information such as your name and address. In addition, have a separate and unique password for each account or website that you use.

If you have trouble keeping track of all your password information or you want an extra level of password protection, consider using password management software. Password manager programs generate strong, unique passwords that you control through a single master password.

Follow the 3-2-1 rule

Backing up your online data is critical to avoid losing valuable information due to a cyber attack. If you have digital assets that you don't want to risk losing forever, you should back

them up regularly. This pertains to data stored on both personal computers and mobile devices.

When backing up data, a good rule to follow is the 3-2-1 rule. This rule helps reduce the risk that any one event — such as a computer hacker gaining access to your computer — will compromise your primary data and backups. In order to follow the 3-2-1 rule:

- Have at least three copies of your data (this means a minimum of the original plus two backups)
- Use at least two different formats (e.g., hard drive and cloud-based service)
- Ensure that at least one backup copy is stored in a separate location (e.g., safe-deposit box)

Stay one step ahead

Finally, the best way to avoid becoming the victim of a cybercrime is to stay one step ahead of the cybercriminals. Here are some extra precautions you can take before you go online:

Consider using two-step authentication.

Two-step authentication, which involves using a text or email code along with your password, provides another layer of protection for your sensitive data.

Keep an eye on your accounts. Notify your financial institution immediately if you see suspicious activity. Early notification not only can stop the cyber thief but may limit your financial liability.

Think twice before clicking. Beware of emails containing links or asking for personal information. Never click on a link in an email or text unless you know the sender and have a clear idea where the link will take you.

Be careful when you shop. When shopping online, look for the secure lock symbol in the address bar and the letters *https*: (as opposed to *http*:) in the URL. Avoid using public Wi-Fi networks for shopping, as they lack secure connections.

Managing Debt While Saving for Retirement



¹ *Employee Benefit Research Institute, 2017 Retirement Confidence Survey*

² *Employee Benefit Research Institute, 2016 Retirement Confidence Survey*

³ *Distributions from pre-tax accounts will be taxed at ordinary income tax rates. Early distributions from pre-tax accounts and nonqualified distributions of earnings from Roth accounts will be subject to ordinary income taxes and a 10% penalty tax, unless an exception applies. Employer contributions will always be placed in a pre-tax account, regardless of whether they match pre-tax or Roth employee contributions.*

It's a catch-22: You feel that you should focus on paying down debt, but you also want to save for retirement. It may be comforting to know you're not alone.

According to an Employee Benefit Research Institute survey, 18% of today's workers describe their debt level as a major problem, while 41% say it's a minor problem. And workers who say that debt is a problem are also more likely to feel stressed about their retirement savings prospects.¹ Perhaps it's no surprise, then, that the largest proportion (21%) of those who have taken a loan from their employer-sponsored retirement plans have done so to pay off debt.² Borrowing from your plan can have negative consequences on your retirement preparedness down the road. Loan limits and other restrictions generally apply as well.

The key in managing both debt repayment and retirement savings is to understand a few basic financial concepts that will help you develop a strategy to tackle both.

Compare potential rate of return with interest rate on debt

Probably the most common way to decide whether to pay off debt or to make investments is to consider whether you could earn a higher rate of return (after accounting for taxes) on your investments than the interest rate you pay on the debt. For example, say you have a credit card with a \$10,000 balance that carries an interest rate of 18%. By paying off that balance, you're effectively getting an 18% return on your money. That means your investments would generally need to earn a consistent, after-tax return greater than 18% to make saving for retirement preferable to paying off that debt. That's a tall order for even the most savvy professional investors.

And bear in mind that all investing involves risk; investment returns are anything but guaranteed. In general, the higher the rate of return, the greater the risk. If you make investments rather than pay off debt and your investments incur losses, you may still have debts to pay, but you won't have had the benefit of any gains. By contrast, the return that comes from eliminating high-interest-rate debt is a sure thing.

Are you eligible for an employer match?

If you have the opportunity to save for retirement via an employer-sponsored plan that matches a portion of your contributions, the debt-versus-savings decision can become even more complicated.

Let's say your company matches 50% of your contributions up to 6% of your salary. This means you're essentially earning a 50% return on that portion of your retirement account contributions. That's why it may make sense to save at least enough to get any employer match before focusing on debt.

And don't forget the potential tax benefits of retirement plan contributions. If you contribute pre-tax dollars to your plan account, you're immediately deferring anywhere from 10% to 39.6% in taxes, depending on your federal tax rate. If you're making after-tax Roth contributions, you're creating a source of tax-free retirement income.³

Consider the types of debt

Your decision can also be influenced by the type of debt you have. For example, if you itemize deductions on your federal tax return, the interest you pay on a mortgage is generally deductible — so even if you could pay off your mortgage, you may not want to. Let's say you're paying 6% on your mortgage and 18% on your credit card debt, and your employer matches 50% of your retirement account contributions. You might consider directing some of your available resources to paying off the credit card debt and some toward your retirement account in order to get the full company match, while continuing to pay the mortgage to receive the tax deduction for the interest.

Other considerations

There's another good reason to explore ways to address both debt repayment and retirement savings at once. Time is your best ally when saving for retirement. If you say to yourself, "I'll wait to start saving until my debts are completely paid off," you run the risk that you'll never get to that point, because your good intentions about paying off your debt may falter. Postponing saving also reduces the number of years you have left to save for retirement.

It might also be easier to address both goals if you can cut your interest payments by refinancing debt. For example, you might be able to consolidate multiple credit card payments by rolling them over to a new credit card or a debt consolidation loan that has a lower interest rate.

Bear in mind that even if you decide to focus on retirement savings, you should make sure that you're able to make at least the minimum monthly payments on your debt. Failure to do so can result in penalties and increased interest rates, which would defeat the overall purpose of your debt repayment/retirement savings strategy.





All investing involves risk, including the possible loss of principal, and there can be no assurance that any investment strategy will be successful. Generally, the more potential for growth offered by an investment, the more risk it carries.

The performance of an unmanaged index is not indicative of the performance of any specific security. Individuals cannot invest directly in such an index.

Because zero-coupon bonds do not pay interest until maturity, their prices tend to be more volatile than bonds that pay interest regularly. Interest income is subject to ordinary income tax each year, even though the investor does not receive any income payments.

The return and principal value of stocks, bonds, and mutual funds may fluctuate with market conditions. Shares, when sold, and bonds redeemed prior to maturity may be worth more or less than their original cost.

Test Your Investing IQ

How much do you know about market basics? Put your investing IQ to the test with this quiz on stocks, bonds, and mutual funds.

Questions

1. What does it mean to buy stock in a company?

- a. The investor loans money to the company
- b. The investor becomes a part owner of the company
- c. The investor is liable for the company's debts

2. Which of the following statements about stock indexes is correct?

- a. A stock index is an indicator of stock price movements
- b. There are many different types of stock indexes
- c. They can be used as benchmarks to compare the performance of an individual investment to a group of its peers
- d. All of the above

3. What is a bond?

- a. An equity security
- b. A nonnegotiable note
- c. A debt investment in which an investor loans money to an entity

4. What kind of bond pays no periodic interest?

- a. Zero-coupon
- b. Floating-rate
- c. Tax-exempt

5. What is a mutual fund?

- a. A portfolio of securities assembled by an investment company
- b. An investment technique of buying a fixed dollar amount of a particular investment regularly
- c. A legal document that provides details about an investment

6. What is the difference between mutual fund share classes?

- a. The investment advisers responsible for managing each class
- b. The investments each class makes
- c. The fees and expenses charged by each fund class

Answers

1. b. The investor becomes a part owner of the company. Stocks are often referred to as equities because they represent an ownership position. As part owners, shareholders assume both the potential financial risks and benefits of this position, but without the responsibility of running the company.

2. d. All of the above. A stock index measures and reports value changes in representative stock groupings. A broad-based stock index represents a diverse cross-section of stocks and reflects movements in the market as a whole. The Dow Jones Industrial Average, NASDAQ Composite Index, and S&P 500 are three of the most widely used U.S. stock indexes. There are also more narrowly focused indexes that track stocks in a particular industry or market segment.

3. c. A debt investment in which an investor loans money to an entity. Unlike shareholders, bondholders do not have ownership rights in a company. Instead, investors who buy bonds are lending their money to the issuer (such as a municipality or a corporation) and thus become the issuer's creditors.

4. a. Zero-coupon. Unlike many types of bonds, zero-coupon bonds pay no periodic interest. They are purchased at a discount, meaning the purchase price is lower than the face value. When the bond matures, the difference between the purchase price and that face value is the investment's return.

5. a. A portfolio of securities assembled by an investment company. A mutual fund is a pooled investment that may combine dozens to hundreds of stocks, bonds, and other securities into one portfolio shared by many investors.

6. c. The fees and expenses charged by each fund class. A mutual fund may offer various share classes to investors, most commonly A, B, and C. This gives an investor the opportunity to select a share class best suited to his or her investment goals.

Mutual funds are sold by prospectus. Please consider the investment objectives, risks, charges, and expenses carefully before investing. The prospectus, which contains this and other information about the investment company, can be obtained from your financial professional. Be sure to read the prospectus carefully before deciding whether to invest.



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Is the Social Security Administration still mailing Social Security Statements?

Your Social Security Statement provides important information about your Social Security record and future benefits. For several years, the Social Security Administration (SSA) mailed these statements every five years to people starting at age 25, but due to budgetary concerns, the SSA has stopped mailing Social Security Statements to individuals under age 60.

Workers age 60 and over who aren't receiving Social Security benefits will still receive paper statements in the mail, unless they opt to sign up for online statements instead. If you're age 60 or older, you should receive your statement every year, about three months before your birthday. The SSA will mail statements upon request to individuals under age 60.

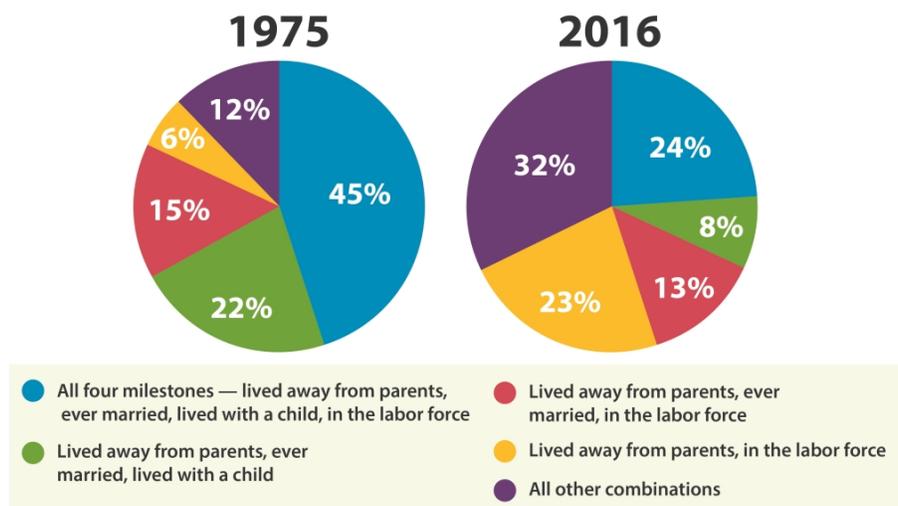
However, the quickest way to get a copy of your Social Security Statement is to sign up for a *my* Social Security account at the SSA website, ssa.gov. Once you've signed

up, you'll have immediate access to your statement, which you can view, download, or print. Statement information generally includes a projection of your retirement benefits at age 62, at full retirement age (66 to 67), and at age 70; projections of disability and survivor benefits; a detailed record of your earnings; and other information about the Social Security program.

The SSA has recently begun using a two-step identification method to help protect *my* Social Security accounts from unauthorized use and potential identity fraud. If you've never registered for an online account or haven't attempted to log in to yours since this change, you will be prompted to add either your cell phone or email address as a second identification method. Every time you enter your account username and password, you will then be prompted to request a unique security code via the identification method you've chosen, and you need to enter that code to complete the log-in process.

Chart: Young Adult Milestones, 1975 vs. 2016

The following pie charts compare four common milestones of adulthood — getting married, having children, working, and living independently — achieved by young adults ages 25 to 34 in 1975 and 2016. The data indicates that the experiences of young people today are more diverse, with fewer accomplishing all four milestones in young adulthood. Instead, many young adults are delaying or forgoing some experiences (marrying and having children) in favor of others (living independently and gaining work experience).



Source: U.S. Census Bureau, "The Changing Economics and Demographics of Young Adulthood: 1975-2016," April 2017



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