

Instructions

Volatility in the market continues to concern investors worldwide. Investors are paying more attention to the relationship between the potential for loss and the potential for reward and are asking "What are the chances that a given investment will incur a loss or fail to achieve a particular return?" Investment risk, whether absolute or relative, is multifaceted. It can be the result of a security's or asset's exposure to a wide range of factors, including changes in interest rates, a specific economic sector, capitalization size and style, the possibility of a credit default, and many others. The job of investment managers and executives is to figure out which risks are worth bearing ("good" risk) and which they choose to avoid ("bad" risk). In addition, investment managers may choose to hedge risks, thereby giving up some fraction of expected return for protection against some amount of loss. To make these decisions, TIAA has over the years developed procedures and a strong team of risk-minded investment managers and Risk Management professionals. They work together to assess, measure, and manage risks. In fact, in addition to seeking sources of return, their main job is to manage risk. It is an integral part of our investment process.

This report offers a variety of measures of risk and relative returns. Please note that each account/fund is subject to unique risk factors which can be found in the prospectus. In an effort to help you understand specific measurements of risk and how they perform each quarter, this quarterly report summarizes 3, 5 and 10 year information on:

Annualized Standard Deviation
Sharpe Ratio
Annualized Alpha
Beta
R-square
Risk Adjusted Annualized Alpha
Risk adjusted Beta
Risk adjusted R-square

The report is available the 10th business day of each month following the end of the quarter. The report will be posted on the TIAA.org web site under "Quarterly Risk Metrics." If you are a plan administrator and plan to utilize this information for internally-generated reports of investment funds offered by your institution, please make certain that the following guidelines are adhered to in order to ensure proper legal and regulatory disclosures are provided to your institution's employees. Disclosures are an increasing focus of securities regulators (including SEC and FINRA) so we feel this protects both you and your participants while providing useful and current information.

1. The disclosure section cannot be changed in any way and must be provided with the report.
2. The disclosure section should precede the performance presentation, or otherwise be prominently presented.

Thank you for your cooperation in adhering to these guidelines. Please work with your TIAA consultant if you need additional information or if you have any questions.

Disclosure

This material is not intended to be a recommendation or investment advice, does not constitute a solicitation to buy or sell securities, and is not provided in a fiduciary capacity. The information provided does not take into account the specific objectives or circumstances of any particular investor, or suggest any specific course of action. Financial professionals should independently evaluate the risks associated with products or services and exercise independent judgment with respect to their clients.

The ratios provided here do not replace performance data, but are supplemental data intended to help investors analyze performance.

Performance data for each product showing the standardized 1, 5, 10-year and since inception returns can be found here <http://www.tiaa.org/performance/retirement/index.html>

All statistics were calculated using 2-digit net of fees monthly returns.

You should consider the investment objectives, risks, charges and expenses carefully before investing. Please call 877-518-9161 or log on to www.tiaa.org for product and fund prospectuses that contain this and other information. Please read the prospectuses carefully before investing.

The performance data quoted represents past performance and is no guarantee of future results. Your returns and the principal value of your investments will fluctuate so that your shares [accumulation units], when redeemed, may be worth more or less than their original cost. Current performance may be lower or higher than the performance quoted above. For performance current to the most recent month-end, visit the TIAA Website at www.tiaa.org, or call 877 518-9161.

You could lose money by investing in the TIAA-CREF Money Market Fund. Although the Fund seeks to preserve the value of your investment at \$1.00 per share, it cannot guarantee it will do so. An investment in the Fund is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund's sponsor has no legal obligation to provide support to the Fund, and you should not expect that the sponsor will provide financial support to the Fund at any time.

You could lose money by investing in the CREF Money Market Account. Because the accumulation unit value of the Account will fluctuate, the value of your investment may increase or decrease. An investment in the Account is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Account's sponsor has no legal obligation to provide support to the Account, and you should not expect that the sponsor will provide financial support to the Account at any time.

Investment, insurance and annuity products are not FDIC insured, are not bank guaranteed, are not deposits, are not insured by any federal government agency, are not a condition to any banking service or activity, and may lose value. Annuity account options are available through contracts issued by TIAA or CREF. These contracts are designed for retirement or other long-term goals, and offer a variety of income options, including lifetime income. Payments from the variable annuity accounts [and mutual funds] are not guaranteed and will rise or fall based on investment performance. **Teachers Personal Investors Services, Inc., and Nuveen Securities, LLC, Members FINRA and SIPC, distributes securities products.**

Annuity contracts and certificates are issued by Teachers Insurance and Annuity Association of America (TIAA) and College Retirement Equities Fund (CREF), New York, NY

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