

Summary Prospectus

AUGUST 1, 2016



TIAA-CREF Bond Index Fund of the TIAA-CREF Funds

Class:	Institutional	Advisor	Premier	Retirement	Retail
Ticker:	TBIX	TBIAX	TBIPX	TBIRX	TBILX

Before you invest, you may want to review the Fund's prospectus, which contains more information about the Fund and its risks. You can find the Fund's prospectus and other information about the Fund online at www.tiaa.org/tffixedre_pro. You can also get this information at no cost by calling 800-223-1200 or by sending an e-mail request to disclosure@tiaa.org. The Fund's prospectus and Statement of Additional Information ("SAI"), each dated August 1, 2016, as subsequently supplemented, and the sections of the Fund's shareholder report dated March 31, 2016 from "Summary Portfolio of Investments" through "Notes to Financial Statements," are incorporated into this Summary Prospectus by reference and may be obtained free of charge at the website, phone number or e-mail address noted above.

Investment objective

The Fund seeks a favorable long-term total return, mainly from current income, by primarily investing in a portfolio of fixed-income securities that is designed to produce a return that corresponds with the total return of the U.S. investment-grade bond market based on a broad bond index.

Fees and expenses

This table describes the fees and expenses that you may pay if you buy and hold shares of the Fund:

SHAREHOLDER FEES (fees paid directly from your investment)

	Institutional Class	Advisor Class	Premier Class	Retirement Class	Retail Class
Maximum sales charge imposed on purchases (percentage of offering price)	0%	0%	0%	0%	0%
Maximum deferred sales charge	0%	0%	0%	0%	0%
Maximum sales charge imposed on reinvested dividends and other distributions	0%	0%	0%	0%	0%
Redemption or exchange fee	0%	0%	0%	0%	0%
Account maintenance fee (annual fee on accounts under \$2,000)	0%	0%	0%	0%	\$15.00

ANNUAL FUND OPERATING EXPENSES (expenses that you pay each year as a percentage of the value of your investment)

	Institutional Class	Advisor Class	Premier Class	Retirement Class	Retail Class
Management fees	0.10%	0.10%	0.10%	0.10%	0.10%
Distribution (Rule 12b-1) fees	—	—	0.15%	—	0.25%
Other expenses	0.02%	0.12% ¹	0.02%	0.27%	0.11%
Total annual Fund operating expenses	0.12%	0.22%	0.27%	0.37%	0.46%
Waivers and expense reimbursements ²	—	—	—	—	—
Total annual Fund operating expenses after fee waiver and/or expense reimbursement	0.12%	0.22%	0.27%	0.37%	0.46%

¹ Estimate is for the current fiscal year.

² Under the Fund's expense reimbursement arrangements, the Fund's investment adviser, Teachers Advisors, Inc., has contractually agreed to reimburse the Fund for any Total annual Fund operating expenses (excluding interest, taxes, brokerage commissions or other transactional expenses, Acquired fund fees and expenses and extraordinary expenses) that exceed: (i) 0.13% of average daily net assets for Institutional Class shares; (ii) 0.28% of average daily net assets for Advisor Class shares; (iii) 0.28% of average daily net assets for Premier Class shares; (iv) 0.38% of average daily net assets for Retirement Class shares; and (v) 0.48% of average daily net assets for Retail Class shares of the Fund. These expense reimbursement arrangements will continue through at least July 31, 2017, unless changed with approval of the Board of Trustees.

Example

This example is intended to help you compare the cost of investing in shares of the Fund with the cost of investing in other mutual funds. The example assumes that you invest \$10,000 in the Fund for the time periods indicated and then redeem all your shares at the end of those periods. The example also assumes that your investment has a 5% return each year and that the Fund's operating expenses, before expense reimbursements, remain the same. The example assumes that the Fund's expense reimbursement agreement will remain in place through July 31, 2017, but that there will be no waiver or expense reimbursement agreement in effect thereafter. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	Institutional Class	Advisor Class	Premier Class	Retirement Class	Retail Class
1 year	\$ 12	\$ 23	\$ 28	\$ 38	\$ 47
3 years	\$ 39	\$ 71	\$ 87	\$ 119	\$ 148
5 years	\$ 68	\$ 124	\$ 152	\$ 208	\$ 258
10 years	\$ 154	\$ 280	\$ 343	\$ 468	\$ 579

Portfolio turnover

The Fund pays transaction costs when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when Fund shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the example, affect the Fund's performance. During the fiscal year

ended March 31, 2016, the Fund's portfolio turnover rate was 22% of the average value of its portfolio.

Principal investment strategies

Under normal circumstances, the Fund invests at least 80% of its assets in bonds within its benchmark and portfolio tracking index, the Barclays U.S. Aggregate Bond Index (the "Index"). The Fund uses a sampling technique to create a portfolio that closely matches the overall investment characteristics of the Index (for example, duration, sector diversification and credit quality) without investing in all of the securities in its index. At times the Fund may purchase securities not held in the Index, but which Teachers Advisors, Inc. ("Advisors") believes have similar investment characteristics to securities held in its index. Generally, the Fund intends to invest in a wide spectrum of public, investment-grade, taxable debt securities denominated in U.S. dollars including government securities, as well as mortgage-backed, commercial mortgage-backed and asset-backed securities. The Fund's investments in mortgage-backed securities may include pass-through securities sold by private, governmental and government-related organizations and collateralized mortgage obligations, to the extent that such instruments are held by the Index. The Fund generally will invest in foreign securities denominated in U.S. dollars only to the extent they are included or eligible to be included in the Index. For purposes of the 80% investment policy, the term "assets" means net assets, plus the amount of any borrowings for investment purposes.

The securities purchased by the Fund will mainly be high-quality instruments rated in the top four credit categories by Moody's or S&P or deemed to be of the same quality by Advisors using its own credit quality analysis. The Fund may continue to hold instruments that were rated as high-quality when purchased, but which subsequently are downgraded to below-investment-grade status or have their ratings withdrawn by one or more rating agencies.

Because the return of the Index is not reduced by investment and other operating expenses, the Fund's ability to match the Index is negatively affected by the costs of buying and selling securities, as well as other fees and expenses. The use of the Index by the Fund is not a fundamental policy of the Fund and may be changed without shareholder approval.

Principal investment risks

You could lose money over short or long periods by investing in this Fund. An investment in the Fund, due to the nature of the Fund's portfolio holdings, typically is subject to the following principal investment risks:

- **Interest Rate Risk** (a type of **Market Risk**)—The risk that increases in interest rates can cause the prices of fixed-income investments to decline. This risk is heightened to the extent the Fund invests in longer duration fixed-income investments and during periods when prevailing interest rates are low or negative. As of the date of this Prospectus, interest rates in the

United States and in certain foreign markets are at or near historic lows, which may increase the Fund's exposure to risks associated with rising interest rates. In general, changing interest rates could have unpredictable effects on the markets and may expose fixed-income and related markets to heightened volatility.

- **Prepayment Risk**—The risk that, during periods of falling interest rates, borrowers may pay off their mortgage loans sooner than expected, forcing the Fund to reinvest the unanticipated proceeds at lower interest rates and resulting in a decline in income.
- **Extension Risk**—The risk that, during periods of rising interest rates, borrowers may pay off their mortgage loans later than expected, preventing the Fund from reinvesting principal proceeds at higher interest rates and resulting in less income than potentially available.
- **Issuer Risk** (often called **Financial Risk**)—The risk that an issuer's earnings prospects and overall financial position will deteriorate, causing a decline in the value of the issuer's financial instruments over short or extended periods of time.
- **Credit Risk** (a type of **Issuer Risk**)—The risk that the issuer of fixed-income investments may not be able or willing to meet interest or principal payments when the payments become due.
- **Income Volatility Risk**—The risk that the level of current income from a portfolio of fixed-income investments may decline in certain interest rate environments.
- **Market Volatility, Liquidity and Valuation Risk** (types of **Market Risk**)—The risk that volatile or dramatic reductions in trading activity make it difficult for the Fund to properly value its investments and that the Fund may not be able to purchase or sell an investment at an attractive price, if at all.
- **Index Risk**—The risk that the Fund's performance may not correspond to its benchmark index for any period of time and may underperform such index or the overall financial market. Additionally, to the extent that the Fund's investments vary from the composition of its benchmark index, the Fund's performance could potentially vary from the index's performance to a greater extent than if the Fund merely attempted to replicate the index.
- **Fixed-Income Foreign Investment Risk**—Investment in fixed-income securities or financial instruments of foreign issuers involves increased risks due to adverse issuer, political, regulatory, currency, market or economic developments. These developments may impact the ability of a foreign debt issuer to make timely and ultimate payments on its debt obligations to the Fund or impair the Fund's ability to enforce its rights against the foreign debt issuer. These risks are heightened in emerging or developing markets. Foreign investments may also be less liquid and more difficult to value than investments in U.S. issuers.

- **U.S. Government Securities Risk**—Securities issued by the U.S. Government or one of its agencies or instrumentalities may receive varying levels of support from the U.S. Government, which could affect the Fund’s ability to recover should they default. To the extent the Fund invests significantly in securities issued or guaranteed by the U.S. Government or its agencies or instrumentalities, any market movements, regulatory changes or changes in political or economic conditions that affect the securities of the U.S. Government or its agencies or instrumentalities in which the Fund invests may have a significant impact on the Fund’s performance.
- **Illiquid Investments Risk**—The risk that illiquid investments may be difficult to sell for the value at which they are carried, if at all, or at any price within the desired time frame.
- **Downgrade Risk**—The risk that securities are subsequently downgraded should Advisors and/or rating agencies believe the issuer’s business outlook or creditworthiness has deteriorated.
- **Call Risk**—The risk that, during periods of falling interest rates, an issuer may call (or repay) a fixed-income security prior to maturity, resulting in a decline in the Fund’s income.

Please see the non-summary portion of the Prospectus for more detailed information about the risks described above.

Past performance

The following chart and table help illustrate some of the risks of investing in the Fund by showing changes in the Fund’s performance from year to year. The bar chart shows the annual total returns of the Institutional Class of the Fund, before taxes, in each full calendar year since inception of the Institutional Class. Because the expenses vary across share classes, the performance of the Institutional Class may vary from the other share classes. Below the bar chart are the best and worst returns of the Institutional Class for a calendar quarter during the full calendar-year periods covered by the bar chart. The performance table following the bar chart shows the Fund’s average annual total returns for the Institutional, Premier, Retirement and Retail Classes over the applicable one-year, five-year, ten-year and since-inception periods ended December 31, 2015, and how those returns compare to those of the Fund’s benchmark index. The Advisor Class does not have a full year of performance and is not included in the table. After-tax performance is also shown only for Institutional Class shares, and after-tax returns for the other classes of shares will vary from the after-tax returns presented for Institutional Class shares.

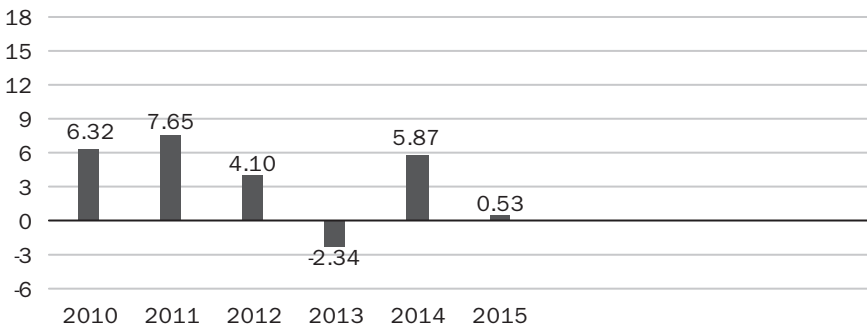
The returns shown below reflect previous agreements by Advisors to waive or reimburse the Fund for certain fees and expenses. Without these waivers and reimbursements, the returns of the Fund would have been lower. Past performance of the Fund (before and after taxes) is not necessarily an indication of how it will perform in the future. The benchmark index listed below is

unmanaged, and you cannot invest directly in an index. The returns for the benchmark index reflect no deduction for fees, expenses or taxes.

For current performance information of each share class, including performance to the most recent month-end, please visit www.tiaa.org.

ANNUAL TOTAL RETURNS FOR THE INSTITUTIONAL CLASS SHARES (%)[†]

Bond Index Fund



[†] The year-to-date return as of the most recent calendar quarter, which ended on June 30, 2016, was 5.31%.

Best quarter: 3.75%, for the quarter ended September 30, 2011. Worst quarter: -2.41%, for the quarter ended June 30, 2013.

AVERAGE ANNUAL TOTAL RETURNS

For the Periods Ended December 31, 2015

	Inception Date	One Year	Five Years	Since Inception
Institutional Class	9/14/2009			
Return Before Taxes		0.53%	3.10%	3.54%
Return After Taxes on Distributions		-0.48%	2.20%	2.60%
Return After Taxes on Distributions and Sale of Fund Shares		0.33%	2.01%	2.36%
Retail Class	9/14/2009			
Return Before Taxes		0.20%	2.74%	3.20%
Retirement Class	9/14/2009			
Return Before Taxes		0.28%	2.84%	3.29%
Premier Class	9/30/2009			
Return Before Taxes		0.38%	2.95%	3.38%*
Barclays U.S. Aggregate Bond Index (reflects no deductions for fees, expenses or taxes)		0.55%	3.25%	3.74%†

Current performance of the Fund's shares may be higher or lower than that shown above.

* The performance shown for the Premier Class that is prior to its inception date is based on performance of the Fund's Institutional Class. The performance for these periods has not been restated to reflect higher expenses of the Premier Class. If those expenses had been reflected, the performance would have been lower.

† Performance is calculated from the inception date of the Institutional Class.

After-tax returns are calculated using the historical highest individual federal marginal income tax rates in effect during the periods shown and do not reflect the impact of state and local taxes. Actual after-tax returns depend on the investor's tax situation and may differ from those shown. The after-tax returns shown are not relevant to investors who hold their Fund shares through tax-deferred arrangements such as 401(a), 401(k) or 403(b) plans or Individual Retirement Accounts (IRAs). After-tax returns are shown for only one class, and after-tax returns for other classes will vary.

For the Fund's most current 30-day yield, please call the Fund at 800-842-2252.

Portfolio management

Investment Adviser. The Fund's investment adviser is Teachers Advisors, Inc.

Portfolio Managers. The following persons manage the Fund on a day-to-day basis:

Name:	Lijun (Kevin) Chen	James Tsang, CFA
Title:	Managing Director	Director
Experience on Fund:	since 2009	since 2011

Purchase and sale of Fund shares

Institutional Class shares are available for purchase directly from the Fund by certain eligible investors (which include employee benefit plans and financial intermediaries). Advisor Class shares are available for purchase through certain financial intermediaries, employee benefit plans and insurance company separate accounts. Premier Class and Retirement Class shares are generally available for

purchase through employee benefit plans or other types of savings plans or accounts. Retail Class shares are available for purchase through certain financial intermediaries or by contacting the Fund directly at 800-223-1200 or www.tiaa.org.

- The minimum initial investment is \$10 million and the minimum subsequent investment is \$1,000 for Institutional Class shares, unless an investor purchases shares by or through financial intermediaries that have entered into an appropriate agreement with the Fund or its affiliates. Employee benefit plans, fee-based managed account programs (“wrap accounts”), state sponsored 529 college savings plans, collective trust funds, investment companies or other pooled investment vehicles, thrifts, bank and trust companies that have entered into agreements to offer Institutional Class shares held in omnibus accounts on the books of the Fund are exempt from initial and subsequent investment minimums.
- There is no minimum initial or subsequent investment for Advisor Class shares. Advisor Class shares are primarily offered through certain financial intermediaries and employer-sponsored employee benefit plans.
- There is no minimum initial or subsequent investment for Premier Class shares. Premier Class shares are primarily offered through certain financial intermediaries and employer-sponsored employee benefit plans.
- There is no minimum initial or subsequent investment for Retirement Class shares. Retirement Class shares are primarily offered through employer-sponsored employee benefit plans.
- The minimum initial investment for Retail Class shares is \$2,000 per Fund account for Traditional IRA, Roth IRA and Coverdell accounts and \$2,500 for all other account types. Subsequent investments for all account types must be at least \$100.

Redeeming or Exchanging Shares. You can redeem (sell) or exchange your shares of the Fund on any day that the New York Stock Exchange (“NYSE”) or its affiliated exchanges NYSE Arca Equities or NYSE MKT is open for trading (each such day a “Business Day”). Exchanges may be made for shares of the same share class of other funds offered by the Trust. If your shares are held through a third party, please contact that entity for applicable redemption or exchange requirements.

Tax information

The Fund intends to make distributions to shareholders that may be taxed as ordinary income or capital gains. Distributions made to tax-exempt shareholders or shareholders who hold Fund shares in a tax-deferred account are generally not subject to income tax in the current year, but redemptions made from tax-deferred accounts may be subject to income tax.

Payments to broker-dealers and other financial intermediary compensation

If you purchase shares of the Fund through a broker-dealer or other financial intermediary (such as a bank), the Fund and/or its related companies may pay the financial intermediary for providing investor services. The Fund's related companies may also pay the financial intermediary for the sale of Fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other financial intermediary and your salesperson to recommend the Fund over another investment. Ask your salesperson or visit your financial intermediary's website for more information.



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