

IFC Target Retirement Portfolio (2050)

Multi-Asset

As of 12/31/2022

Inception Date
7/31/2016

Benchmark Index
S&P Target Date 2050 TR USD

The returns quoted represent past performance, which is no guarantee of future results. Returns and the principal value of your investment will fluctuate and you may experience gain or loss. The performance shown is of the underlying funds and that of a hypothetical account invested in accordance with the Model during the relevant time periods and reflects the weighted average return of the underlying investments assuming an annual rebalance from the model inception date. The net asset values used to calculate the hypothetical account performance are compiled using values for underlying funds as of the prior business day and current business day for fixed annuities. Actual and current performance may be higher or lower. For current performance information, including performance to the most recent month-end, call 800-842-2888. Performance may reflect waivers or reimbursements of certain expenses at both the model and underlying investment level. Absent these waivers or reimbursement arrangements, performance may be lower. Performance shown is cumulative for periods under one year.

Portfolio Strategies

The objective of the IFC Target Retirement Portfolio (2050) (the Model) is to achieve long-term total returns in excess of inflation that will potentially enable participants in the plan who expect to retire in or around 2050 to meet their retirement income needs. The Model is an asset allocation strategy recommended by the Plan Fiduciary (the Sponsor) in consultation with Investing for Catholics, a division of Index Fund Advisors, Inc. (the Advisor) to facilitate investments in underlying mutual funds and annuities selected by the Sponsor in consultation with the Advisor. Balances allocated to the Model are invested directly in the underlying mutual funds and annuities on behalf of the plan participants in accordance with the asset allocation strategy as established by the Sponsor in consultation with the Advisor. Plan participants retain the same rights as they would have if such underlying investments were held outside of the Program.

Who May Want To Invest

The IFC Target Retirement Portfolio (2050) is offered solely to participants in the Employer Plan. The Model is designed to meet the retirement income needs of individuals who expect to retire in 2050. It is expected that plan participants investing in the Model will make contributions until 2050 and then gradually withdraw the value of their account thereafter.

Learn More

For more information please contact:
800-842-2252
Weekdays, 8 a.m. to 10 p.m. (ET),
or visit [TIAA.org](https://www.TIAA.org)

Model Performance

	Total Return		Average Annual Total Return				
	3 Months	YTD	1 Year	3 Years	5 Years	10 Years	Since Inception
IFC Target Retirement Portfolio (2050)	9.33%	-17.28%	-17.28%	3.30%	4.20%	-	7.26%
S&P Target Date 2050 TR USD	10.01%	-15.97%	-15.97%	4.12%	5.26%	-	-

Underlying Investments' Performance / Annuity Rates of Return

Model Underlying Investments/Ticker	Inception Date	YTD	Average Annual Total Return				
			1 Year	3 Years	5 Years	10 Years/ Since Inception	Expense Ratio Gross/Net
DFA US Social Core Equity 2 Portfolio DFUEX ¹	10/1/2007	-17.98%	-17.98%	6.69%	7.31%	10.91%	0.21%/0.21%
DFA International Social Core Equity Fund DSCIX ¹	11/1/2012	-16.60%	-16.60%	0.57%	0.35%	4.54%	0.27%/0.27%
DFA Global Real Estate Securities Portfolio DFGEX ^{1,2}	6/4/2008	-23.83%	-23.83%	-2.37%	2.42%	5.13%	0.34%/0.24%
DFA Social Fixed Income Portfolio DSFIX ¹	4/5/2016	-13.07%	-13.07%	-2.43%	0.34%	0.46%	0.21%/0.21%
DFA Emerging Markets Social Core Equity Portfolio DFESX ¹	8/31/2006	-18.46%	-18.46%	-1.36%	-0.88%	1.85%	0.42%/0.42%

Please refer to the Important Information section for details that should be considered when making investments in the underlying funds based on the Model.

About the Benchmark

The index measures the performance of a portfolio of multi-asset including equities, fixed income and commodities. The index has target retirement date of 2050, and belongs to S&P Target Date Index Series which comprises eleven indexes with different target retirement date. Each index in this series is determined once a year through survey of large fund management companies that offer target date products.

Fees and Expenses

Set forth below is a description of the fees and expenses that plan participants may pay or bear when directing assets to be invested based on the Model. Fees and expenses are one of several factors to consider when making investment decisions. The cumulative effect of fees and expenses can reduce the value of investments over time.

Total Operating Expenses Ratio (including fees)*	0.25%
Fees and Expenses Related to the Model Service	
Recordkeeping Fee (Teachers Insurance and Annuity Association of America)**	0.00%
Program Sponsor Fee (Teachers Insurance and Annuity Association of America)***	0.00%
Plan Advisor Fee†	0.00%
Other Expenses†	0.00%

* The Total Operating Expense Ratio of a plan participant's model-based account is based on the total expense ratio (including fees) of each underlying investment blended in accordance with the Target Allocations for the Model, plus the amount of Program-related fees and other expenses allocated to each model-based account by the Plan Fiduciary. For information concerning each underlying investment's fees and expenses, see its most current prospectus or similar offering document.

** TIAA and the Plan Fiduciary have agreed to an Employer Plan Pricing Model in connection with the agreement for TIAA to provide recordkeeping services separate from the model-based account services, and there is currently no additional fee for the model-based account service. Fees paid to TIAA for recordkeeping services are allocated to the plan participants in the Employer Plan based on their pro rata percentage of the assets in the Employer Plan, unless the Plan Fiduciary, in its sole discretion, determines to pay such fees directly.

*** TIAA and its affiliates are not currently charging any separate or additional fee for the services provided by TIAA as the Program Sponsor, although TIAA may charge a fee for services provided in its capacity as Program Sponsor in the future.

† Fees charged to the Employer Plan by the Plan Advisor in connection with the Model will be allocated to the model-based accounts invested based on the Model, unless the Plan Fiduciary, in its sole discretion, determines to pay such advisory fees directly.

† Other expenses include expenses related to any auditor or other service provider engaged by the Plan Fiduciary in connection with the Model Service, extraordinary expenses incurred by the Program Sponsor in administering the Program, and such other expenses as the Plan Fiduciary, in its sole discretion, determines to allocate to the Plan Participants. Such expenses are allocated to the model-based accounts invested based on the Model, unless the Plan Fiduciary, in its sole discretion, determines to pay such advisory fees directly.

Expenses Example

The following is an example to help you compare the cost of investing in underlying investments based on the Model with the cost of investing in other investment options. The example assumes that you invest \$1,000 in underlying investments based on the Model for a one year period and then redeem all your investments in the underlying investments at the end of the one year period.

The example also assumes that your investment has a 5% return during the year and that the expenses of each underlying investment, before expense reimbursements, remain the same. Although your actual costs may be higher or lower, based on these assumptions your costs would be: \$2.63.

Target Allocation††

Target Allocation	% of Model Portfolio
DFA US Social Core Equity 2 Portfolio	54.00%
DFA International Social Core Equity Fund	18.00%
DFA Global Real Estate Securities Portfolio	10.00%
DFA Social Fixed Income Portfolio	9.00%
DFA Emerging Markets Social Core Equity Portfolio	9.00%
	100.00%

†† The target allocations are subject to change and may not be representative of the current or future investments recommended based on the Model. The holdings listed only include the Model's long-term investments. Money market instruments and/or futures contracts, if applicable, are excluded. The holdings may not include the Model's entire investment portfolio and should not be considered a recommendation to buy or sell a particular security.

Important Information

¹ Accumulations in funds not managed by TIAA may be subject to administrative charges. These charges are subject to change. Please review current documents related to your plan.

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² The net annual expense reflects a voluntary reimbursement of various expenses, which will remain in effect until terminated. Had fees not been waived and/or expenses reimbursed currently or in the past, returns would have been lower. Please see the prospectus or other disclosure document for details.

The TIAA RetirePlus Pro® Models are asset allocation recommendations developed in one of three ways, depending on your plan structure: i) by your plan sponsor, ii) by your plan sponsor in consultation with consultants and other investment advisors designated by the plan sponsor, or iii) exclusively by consultants and other investment advisors selected by your plan sponsor whereby assets are allocated to underlying mutual funds and annuities that are permissible investments under the plan. Model-based accounts will be managed on the basis of the plan participant's personal financial situation and investment objectives (for example, taking into account factors such as participant age and risk capacity as determined by a risk tolerance questionnaire).

This material is for informational, educational or non-fiduciary sales opportunities and/or activities only and does not constitute investment advice (e.g., fiduciary advice under ERISA or otherwise), a securities recommendation under all securities laws, or an insurance product recommendation under state insurance laws or regulations to invest through a model or to purchase any security or advice about investing or managing retirement savings. It does not take into account any specific objectives or circumstances of any particular customer, or suggest any specific course of action.

You should consider the investment objectives, principal strategies, principal risks, portfolio turnover rate, performance data, and fee and expense information of each underlying investment carefully before directing an investment based on the model. For a free copy of the program description and the prospectus or other offering documents for each of the underlying investments (containing this and other information), call TIAA at 877-518-9161. Please read the program description and the prospectuses or other offering documents for the underlying investments carefully before investing.

The Plan Fiduciary and the Plan Advisor may determine that an Underlying Investment(s) is appropriate for a Model Portfolio, but not appropriate as a stand-alone investment for a Participant who is not participating in the Program. In such case, Participants who elect to unsubscribe from the Program while holding an Underlying Investment(s) in their Model-Based Account that has been deemed inappropriate as a stand-alone investment option by the Plan Fiduciary and/or the Plan Advisor will be prohibited from allocating future contributions to that investment option(s).

Established Restrictions: Each Plan Participant may, but need not, propose restrictions for his or her Model-Based Account, which will further customize such Plan Participant's own portfolio of Underlying Investments. The Plan Fiduciary is responsible for considering any restrictions proposed by a Plan Participant, and for determining (together with Plan Advisor(s)) whether the proposed restriction is "reasonable" in each case.

No registration under the Investment Company Act, the Securities Act or state securities laws—The Model is not a mutual fund or other type of security and will not be registered with the Securities and Exchange Commission as an investment company under the Investment Company Act of 1940, as amended, and no units or shares of the Model will be registered under the Securities Act of 1933, as amended, nor will they be registered with any state securities regulator. Accordingly, the Model is not subject to compliance with the requirements of such acts, nor may plan participants investing in underlying investments based on the Model avail themselves of the protections thereunder, except to the extent that one or more underlying investments or interests therein are registered under such acts.

No guarantee—Investments based on the Model are not deposits of, or obligations of, or guaranteed or endorsed by TIAA, the Investment Advisor, The Plan or their affiliates, and are not insured by the Federal Deposit Insurance Corporation, or any other agency. An investment based on the Model is not guaranteed, and you may experience losses, including losses near, at, or after the target date. There is no guarantee that investments based on the Model will provide adequate income at and through your retirement. Investors should not allocate their retirement savings based on the Model unless they can readily bear the consequences of such loss.

TIAA RetirePlus Pro is administered by Teachers Insurance and Annuity Association of America ("TIAA") as plan recordkeeper. TIAA-CREF Individual & Institutional Services LLC, Member FINRA, distributes securities products. If offered under your plan, TIAA and CREF annuity contracts and certificates are issued by Teachers Insurance and Annuity Association of America (TIAA) and College Retirement Equities Fund (CREF), New York, NY, respectively. Each is solely responsible for its own financial condition and contractual obligations. Transactions in the underlying investments invested in based on the Model on behalf of the plan participants are executed through TIAA-CREF Individual & Institutional Services, LLC, Member FINRA.

TIAA RetirePlus Pro® is a registered trademark of Teachers Insurance and Annuity Association of America-College Retirement Equities Fund, 730 Third Avenue, New York, NY 10017.

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.

Data Provider Disclosure

Portfolio Strategy, Model Fees and Expenses, Target Allocations and Who May Want to Invest information provided by Roman Catholic Diocese of Orange. Neither TIAA nor its affiliates has independently verified the accuracy or completeness of this information.

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A Note About Risks

Assets allocated to underlying investments based on the Model will be invested in underlying affiliated or unaffiliated mutual funds, collective trusts, and annuities that are permissible investments under the plan. In general, the value of model-based accounts will fluctuate based on the share or unit prices of the underlying investments in which they invest. Assets in model-based accounts are subject to various types of risks, which may include but are not limited to:

China Region: Investing in the China region, including Hong Kong, the People's Republic of China, and Taiwan, may be subject to greater volatility because of the social, regulatory, and political risks of that region, as well as the Chinese government's significant level of control over China's economy and currency. A disruption of relations between China and its neighbors or trading partners could severely impact China's export-based economy. **Credit and Counterparty:** The issuer or guarantor of a fixed-income security, counterparty to an OTC derivatives contract, or other borrower may not be able to make timely principal, interest, or settlement payments on an obligation. In this event, the issuer of a fixed-income security may have its credit rating downgraded or defaulted, which may reduce the potential for income and value of the portfolio. **Currency:** Investments in securities traded in foreign currencies or more directly in

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foreign currencies are subject to the risk that the foreign currency will decline in value relative to the U.S. dollar, which may reduce the value of the portfolio. Investments in currency hedging positions are subject to the risk that the value of the U.S. dollar will decline relative to the currency being hedged, which may result in a loss of money on the investment as well as the position designed to act as a hedge. Cross-currency hedging strategies and active currency positions may increase currency risk because actual currency exposure may be substantially different from that suggested by the portfolio's holdings.

Derivatives: Investments in derivatives may be subject to the risk that the advisor does not correctly predict the movement of the underlying security, interest rate, market index, or other financial asset, or that the value of the derivative does not correlate perfectly with either the overall market or the underlying asset from which the derivative's value is derived. Because derivatives usually involve a small investment relative to the magnitude of liquidity and other risks assumed, the resulting gain or loss from the transaction will be disproportionately magnified. These investments may result in a loss if the counterparty to the transaction does not perform as promised.

Emerging Markets: Investments in emerging- and frontier-markets securities may be subject to greater market, credit, currency, liquidity, legal, political, and other risks compared with assets invested in developed foreign countries.

Equity Securities: The value of equity securities, which include common, preferred, and convertible preferred stocks, will fluctuate based on changes in their issuers' financial conditions, as well as overall market and economic conditions, and can decline in the event of deteriorating issuer, market, or economic conditions.

Foreign Securities: Investments in foreign securities may be subject to increased volatility as the value of these securities can change more rapidly and extremely than can the value of U.S. securities. Foreign securities are subject to increased issuer risk because foreign issuers may not experience the same degree of regulation as U.S. issuers do and are held to different reporting, accounting, and auditing standards. In addition, foreign securities are subject to increased costs because there are generally higher commission rates on transactions, transfer taxes, higher custodial costs, and the potential for foreign tax charges on dividend and interest payments. Many foreign markets are relatively small, and securities issued in less-developed countries face the risks of nationalization, expropriation or confiscatory taxation, and adverse changes in investment or exchange control regulations, including suspension of the ability to transfer currency from a country. Economic, political, social, or diplomatic developments can also negatively impact performance.

Income: The investment's income payments may decline depending on fluctuations in interest rates and the dividend payments of its underlying securities. In this event, some investments may attempt to pay the same dividend amount by returning capital.

Interest Rate: Most securities are subject to the risk that changes in interest rates will reduce their market value.

Lending: Investing in loans creates risk for the borrower, lender, and any other participants. A borrower may fail to make payments of principal, interest, and other amounts in connection with loans of cash or securities or fail to return a borrowed security in a timely manner, which may lead to impairment of the collateral provided by the borrower. Investments in loan participations may be subject to increased credit, pricing, and liquidity risks, with these risks intensified for below-investment-grade loans.

Loss of Money: Because the investment's market value may fluctuate up and down, an investor may lose money, including part of the principal, when he or she buys or sells the investment.

Management: Performance is subject to the risk that the advisor's asset allocation and investment strategies do not perform as expected, which may cause the portfolio to underperform its benchmark, other investments with similar objectives, or the market in general. The investment is subject to the risk of loss of income and capital invested, and the advisor does not guarantee its value, performance, or any particular rate of return.

Market/Market Volatility: The market value of the portfolio's securities may fall rapidly or unpredictably because of changing economic, political, or market conditions, which may reduce the value of the portfolio.

Mid-Cap: Concentrating assets in mid-capitalization stocks may subject the portfolio to the risk that those stocks underperform other capitalizations or the market as a whole. Mid-cap companies may be subject to increased liquidity risk compared with large-cap companies and may experience greater price volatility than do those securities because of more-limited product lines or financial resources, among other factors.

Not FDIC Insured: The investment is not a deposit or obligation of, or guaranteed or endorsed by, any bank and is not insured by the Federal Deposit Insurance Corporation, the Federal Reserve Board, or any other U.S. governmental agency.

Other: The investment's performance may be impacted by its concentration in a certain type of security, adherence to a particular investing strategy, or a unique aspect of its structure and costs.

Prepayment (Call): The issuer of a debt security may be able to repay principal prior to the security's maturity because of an improvement in its credit quality or falling interest rates. In this event, this principal may have to be reinvested in securities with lower interest rates than the original securities, reducing the potential for income.

Real Estate/REIT Sector: Concentrating assets in the real estate sector or REITs may disproportionately subject the portfolio to the risks of that industry, including loss of value because of changes in real estate values, interest rates, and taxes, as well as changes in zoning, building, environmental, and other laws, among other factors. Investments in REITs may be subject to increased price volatility and liquidity risk, and shareholders indirectly bear their proportionate share of expenses because of their management fees.

Restricted/Illiquid Securities: Restricted and illiquid securities may fall in price because of an inability to sell the securities when desired. Investing in restricted securities may subject the portfolio to higher costs and liquidity risk.

Small Cap: Concentrating assets in small-capitalization stocks may subject the portfolio to the risk that those stocks underperform other capitalizations or the market as a whole. Smaller, less-seasoned companies may be subject to increased liquidity risk compared with mid- and large-cap companies and may experience greater price volatility than do those securities because of limited product lines, management experience, market share, or financial resources, among other factors.

Socially Conscious: Adhering to social, moral, or environmental criteria may preclude potentially profitable opportunities in sectors or firms that would otherwise be consistent with the investment objective and strategy.

Sovereign Debt: Investments in debt securities issued or guaranteed by governments or governmental entities are subject to the risk that an entity may delay or refuse to pay interest or principal on its sovereign debt because of cash flow problems, insufficient foreign reserves, or political or other considerations. In this event, there may be no legal process for collecting sovereign debts that a governmental entity has not repaid.

Underlying Fund/Fund of Funds: A portfolio's risks are closely associated with the risks of the securities and other investments held by the underlying or subsidiary funds, and the ability of the portfolio to meet its investment objective likewise depends on the ability of the underlying funds to meet their objectives. Investment in other funds may subject the portfolio to higher costs than owning the underlying securities directly because of their management fees.

Value Investing: Value securities may be subject to the risk that these securities cannot overcome the adverse factors the advisor believes are responsible for their low price or that the market may not recognize their fundamental value as the advisor predicted. Value securities are not expected to experience significant earnings growth and may underperform growth stocks in certain markets. For a detailed discussion of risk, please consult the prospectus.