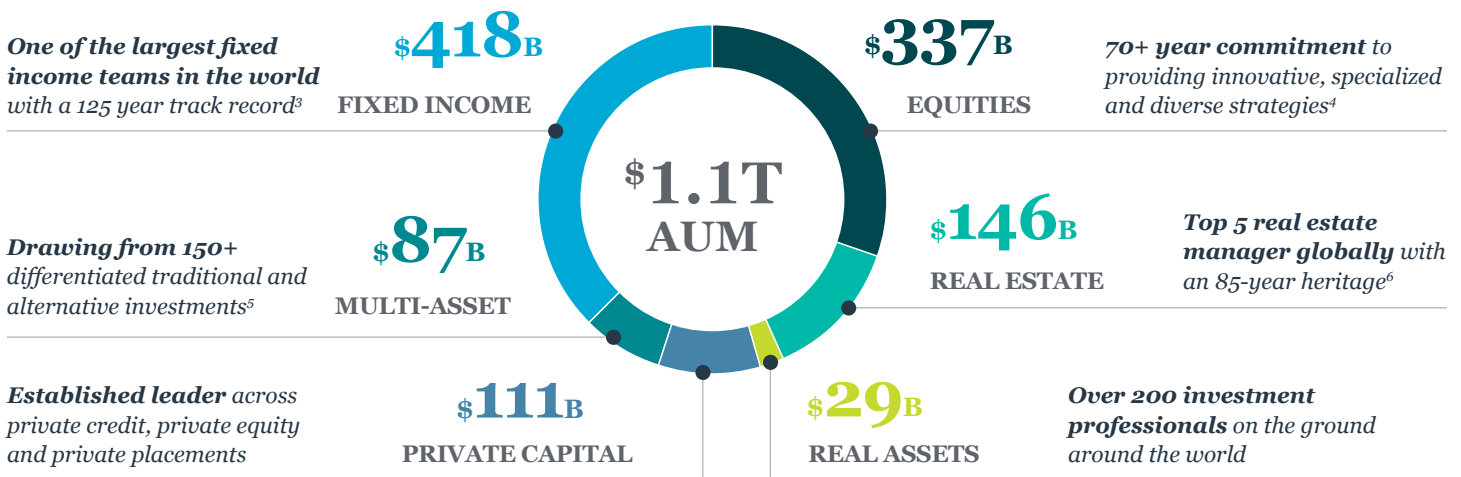


Nuveen capabilities

Nuveen is a global investment leader, managing an array of public and private assets for clients around the world and on behalf of our parent company TIAA, one of the world's largest institutional investors¹ and a highly-rated² insurance and retirement provider.

How we invest

With diverse expertise across income and alternatives, we invest in the growth of businesses, real estate, infrastructure, farmland and forests to help make an enduring impact on our world.



For 50+ years, our commitment to responsible investing has helped our clients achieve their long-term financial goals alongside their investment values.

For more information, please visit nuveen.com.

As of 30 Sep 2023. Nuveen assets under management (AUM) is inclusive of underlying investment specialists. Totals may not equal 100% due to rounding.

1 Pensions & Investments, 12 Jun 2023. Rankings based on total worldwide institutional assets as of 31 Dec 2022 reported by each responding asset manager, with 434 firms responding; updated annually. TIAA is the parent company of Nuveen. **2** For its stability, claims-paying ability and overall financial strength, Teachers Insurance and Annuity Association of America (TIAA) is a member of one of only three insurance groups in the United States to currently hold the highest rating available to U.S. insurers from three of the four leading insurance company rating agencies: A.M. Best (A++ as of 7/23), Fitch (AAA as of 8/23) and Standard & Poor's (AA+ as of 10/23), and the second highest possible rating from Moody's Investors Service (Aa1 as of 9/23). There is no guarantee that current ratings will be maintained. The financial strength ratings represent a company's ability to meet policyholders' obligations and do not apply to any product or service not fully backed by TIAA's claims-paying ability. The ratings also do not apply to the safety or the performance of the variable accounts or mutual funds, which will fluctuate in value. **3** Nuveen traces its history back to 1898 and TIAA was founded in 1918. **4** Nuveen's equities investing team (which is inclusive of TIAA's equities investing team) started investing in equities in 1952 and started a responsible investing strategy in 1990. **5** As of 30 Sep 2023. Multi-asset AUM includes target date and other multi asset strategies. Underlying asset categories included in target date funds are \$24B fixed income, \$59B equities and \$2B real estate. **6** ANREV/INREV/NCREIF Fund Manager Survey 2023. Survey illustrated rankings of 116 fund managers globally by AUM as of 31 Dec 2022; updated annually.

Important information on risk

Investing involves risk; principal loss is possible. There can be no assurance that any investment or asset class will provide positive performance over any period of time. Financial professionals should consider the appropriateness of the manager, strategy and program for their clients on an initial and ongoing basis.

If evaluating investment companies, please carefully consider the investment objectives, risks, charges and expenses before investing. For this and other information that should be read carefully, please obtain a prospectus or summary prospectus from your financial professional or Nuveen at 800.257.8787 or visit nuveen.com.

This material is not intended to be a recommendation or investment advice, does not constitute a solicitation to buy, sell or hold a security or an investment strategy, 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 Nuveen Family of Funds and the TIAA-CREF Funds are distinct fund families that comprise different investment products, each with its own features, terms and conditions, fee structures and risk factors. Please note, there are no exchange privileges between the two fund families.

Nuveen Securities, LLC, member FINRA and SIPC.

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Capabilities overview

As of 30 Sep 2023

| Fixed income | |
|--------------------------------------|------------------|
| Global fixed income | |
| CLO Management | NAM ● ✕ |
| CLO Tranche Investing | NAM ● ✕ |
| Core Bond | NAM ▲ |
| Core Plus Bond | NAM ▲ ★ |
| Core Plus Impact | NAM + □ |
| Corporate Arbitrage & Relative Value | NAM ● ✕ |
| Corporate Credit | NAM ● |
| Credit Income | NAM ● ■ |
| Customized Portfolios | NAM ● ▲ |
| ESG High Yield Corp Bond | NAM + □ |
| Flexible Income | NAM ● ▲ ■ ◆ ★ |
| Global High Income | NAM + |
| High Yield ESG | NAM ● □ |
| High Yield Income | NAM ● |
| Intermediate Govt/Credit | NAM ● ▲ |
| Intermediate Government | NAM ● ▲ |
| Intermediate Corporate | NAM ● ★ |
| Investment Grade Corporate | NAM ● ▲ |
| Laddered Portfolios | NAM ● ▲ |
| Long Corporate | NAM ● ★ |
| Long Term Govt/Credit | NAM ● |
| Multi-Asset Credit | NAM ● ✕ |
| Preferred Securities & Income | NAM ● ▲ ■ + |
| Preferred Securities Select | NAM ● ▲ |
| Senior Loans Private Fund | NAM ● ■ + |
| Senior Loan ESG Private Fund | NAM ● □ |
| Senior Floating Rate Income | NAM ● ★ |
| Short Term Govt | NAM ● |
| Short Term Govt/Credit | NAM ● |
| Strategic Income/Multi Sector | NAM ● ■ ★ |
| Ultra Long STRIPS | NAM ● ★ |
| U.S. Corporate ESG Ladders | NAM ▲ □ |
| ABS | TIAA ● |
| Core Bond | TIAA ● ■ |
| Core Index | TIAA ● ■ ★ |
| Core Impact Bond | TIAA ● ▲ ■ ◆ ★ □ |
| Core Plus Bond | TIAA ● ■ |
| CMBS | TIAA ● |
| Emerging Markets Corporate | TIAA ● |
| Emerging Markets Hard Currency | TIAA ● ■ ◆ ★ |
| Emerging Markets High Yield | TIAA ● |
| Emerging Markets Impact Bond | TIAA ● ■ ◆ □ |
| Emerging Markets Local Currency | TIAA ● |
| Global Core Impact Bond | TIAA ● ■ ◆ □ |
| Green Bond | TIAA ● ■ □ |
| High-Yield | TIAA ● ■ ★ |
| Inflation-Linked Bond | TIAA ● ■ ★ |
| International Bond | TIAA ● ■ |
| Money Market | TIAA ● ■ |
| MBS | TIAA ● |
| Securitized Credit | TIAA ● + |
| Short Duration Impact Bond | TIAA ● ■ □ |
| Short-Term Bond | TIAA ● ■ ★ |
| Short-Term Bond Index | TIAA ● ■ ★ |
| U.S. Investment Grade Credit | TIAA ● |
| Enhanced Yield Agg | TIAA + |
| Municipals | |
| Customized Portfolios | NAM ● ▲ |
| High Yield | NAM ● ■ + ◆ □ |
| Intermediate ESG Municipal | NAM ● ▲ □ |
| Intermediate Term | NAM ● ▲ ■ + ✕ |
| Ladder Portfolios | NAM ● ▲ ■ |
| Limited Maturity | NAM ● ▲ ■ |
| Long Term | NAM ● ▲ ■ + |
| Short Duration High Yield | NAM ● ■ |
| Short Term | NAM ● ■ |
| State Specific/State Preference | NAM ● ▲ ■ + |
| Strategic Muni Opps | NAM ● ■ + |
| Taxable Municipal | NAM ● + |

| | |
|---|---------------|
| Total Return | NAM ● ▲ |
| Global fixed income & municipals | |
| Custom Fixed Income Solutions | NAM ● ▲ |
| Tax-Aware Fixed Income | NAM ● ▲ |
| Equities | |
| Alternatives | |
| Equity Long/Short | NAM ● |
| Core | |
| Dividend Growth | NAM ● ▲ ■ + ★ |
| Equity Covered Call | NAM ● + |
| Large Cap Core | NAM ● ▲ |
| Large-Cap ESG | TIAA + □ |
| Small Cap Select | NAM ● ▲ ■ + ★ |
| Growth & Income | TIAA ● ■ ★ |
| Low Carbon Value Equity ESG | TIAA ● ▲ □ |
| Quant Small-Cap Equity | TIAA ● ■ ★ |
| Quant Small/Mid-Cap Equity | TIAA ● ■ ★ |
| Small-Cap ESG | TIAA + □ |
| Social Choice Equity | TIAA ● ■ □ |
| Social Choice Low Carbon Equity | TIAA ● ■ □ |
| Growth | |
| Growth Opportunities | NAM ● + |
| Large Cap Growth | NAM ● ▲ |
| Mid Cap Growth Opps | NAM ● ■ |
| Small Cap Growth Opps | NAM ● ▲ ■ |
| Stable Growth | NAM ● ▲ |
| Large-Cap Growth | TIAA ● ■ ★ |
| Large-Cap Growth ESG | TIAA + □ |
| Mid-Cap Growth | TIAA ● ■ |
| Mid-Cap Growth ESG | TIAA + □ |
| U.S. Large Cap Growth | WCM ▲ ★ |
| Large Cap Growth ESG | WCM ● ■ + ◆ □ |
| Value | |
| ESG Dividend | NAM + □ |
| Dividend Value | NAM ● ▲ ■ |
| Large Cap Relative Value | NAM ● ▲ |
| Large Cap Value | NAM ● ▲ |
| Large Cap Value Balanced | NAM ● ▲ |
| Mid Cap Value | NAM ● ▲ ■ |
| Multi Cap Value | NAM ● ▲ ■ |
| Small Cap Value | NAM ● ▲ ■ |
| Small Cap Value Opportunities | NAM ● ▲ ■ |
| SMID Cap Value | NAM ● ▲ ■ |
| Large-Cap Value | TIAA ● ■ ★ |
| Large-Cap Value ESG | TIAA + □ |
| Mid-Cap Value ESG | TIAA + □ |
| Mid-Cap Value | TIAA ● ■ |
| Global/Non-U.S. | |
| Emerging Markets ADR | NAM ● ▲ |
| Global Dividend Growth ADR/ORD | NAM ● ▲ ■ ◆ |
| Global Equity ESG | TIAA ● □ |
| Global Equity Income | NAM ● ▲ ■ |
| Global Net Zero Transition | NAM + □ |
| International Dividend Growth ADR/ORD | NAM ● ▲ ■ |
| International Small Cap | NAM ● ■ |
| International Value ADR/ORD | NAM ● ▲ ■ |
| Japan Equity | NAM ● |
| Select Dividend Growth | NAM ● ▲ |
| Emerging Markets Equity | TIAA ● ■ ★ |
| Emerging Markets Equity ESG | TIAA + □ |
| ESG U.S. Aggregate Bond | TIAA + □ |
| ESG Short-Term U.S. Aggregate Bond | TIAA + □ |
| Global Equity | TIAA ● |
| Global Equity Select | TIAA ● |
| Int'l Developed Markets Equity ESG | TIAA + □ |
| International Equity | TIAA ● ■ |
| International Opportunities ADR/ORD | TIAA ● ▲ ■ |
| International Small Cap Focused | TIAA ● |
| International Small Cap Opportunities | TIAA ● |

| | |
|--------------------------------------|------------|
| Quant International Small-Cap Equity | TIAA ● ■ ★ |
| Social Choice Intl Equity | TIAA ● ■ □ |
| Index | |
| Emerging Markets Equity | TIAA ● ■ ★ |
| Equity | TIAA ● ■ ★ |
| International Equity | TIAA ● ■ ★ |
| Large-Cap Growth | TIAA ● ■ ★ |
| Large-Cap Value | TIAA ● ■ ★ |
| S&P 500 | TIAA ● ■ ★ |
| Small-Cap Blend | TIAA ● ■ |
| Real estate | |
| Private | |
| Alternatives | NRE ● ✕ |
| Debt | NRE ● ✕ |
| Global Diversified | NRE ▼ |
| Housing | NRE ● ✕ |
| Impact | NRE ● ✕ |
| Industrial/Logistics | NRE ● ✕ |
| Retail & Mixed-Use | NRE ● ✕ |
| Workplace/Office | NRE ● ✕ |
| Listed | |
| Global Real Estate Carbon Reduction | NAM ● ◆ |
| Global Real Estate Securities | NAM ● ■ |
| Real Estate Securities | NAM ● ■ |
| Real Estate Securities | TIAA ● ■ |
| Short-Term REIT | TIAA + |
| Real assets | |
| Private | |
| Agribusiness | NI ● |
| Clean Energy Infrastructure | NI ● ✕ |
| Farmland | NNC ● ✕ |
| Timberland | NNC ● ✕ |
| Listed | |
| Global Clean Infrastructure Impact | NAM ● ◆ |
| Global Infrastructure | NAM ● ■ ★ |
| Real Asset Income | NAM ● ■ + |
| Private capital | |
| Capital Solutions | AAM ● ✕ |
| Junior Loans | AAM ● ✕ |
| Senior Loans | AAM ● ✕ |
| Diversified Private Capital | CAM ▼ |
| Equity Co-Investment | CAM ● ✕ |
| Junior Capital | CAM ● ✕ |
| Private Equity | CAM ● |

| | |
|------------------------|---------|
| Senior Loans | CAM ● ✕ |
| Private Equity Impact | NPM ● ✕ |
| Private Placement Debt | NPM ● |
| C-PACE | NGC ● ✕ |
| Private Equity Growth | WCM ● ✕ |

| Multi-asset solutions | |
|-----------------------------------|----------|
| ESG Growth Models | NAM ○ ▲ |
| Multi Asset Income | NAM + |
| Tax-Exempt Income Models | NAM ○ ▲ |
| Equity Covered Call | NAM ● + |
| Managed Volatility | NAM ● ▲ |
| Lifecycle (2010-2065) | TIAA ■ ★ |
| Lifecycle Blend (2010-2065) | TIAA ★ |
| Lifecycle Index (2010-2065) | TIAA ■ ★ |
| Lifecycle Blend Retirement Income | TIAA ★ |
| Lifecycle Retirement Income | TIAA ■ ★ |
| Lifecycle Retirement | TIAA ■ ★ |
| Income Index | TIAA ■ ★ |
| Lifecycle Income Blend | TIAA ★ |
| Lifecycle Income Active | TIAA ★ |
| Lifecycle Income Index | TIAA ★ |
| Lifestyle Target Risk | TIAA ■ |
| Managed Allocation | TIAA ■ |

| Investment specialists | |
|---------------------------------------|--|
| TIAA Investments (TIAA) | |
| Nuveen Asset Management (NAM) | |
| Nuveen Real Estate (NRE) | |
| Nuveen Private Markets (NPM) | |
| Nuveen Natural Capital (NNC) | |
| Nuveen Infrastructure (NI) | |
| AGR Partners ⁹ (AGR) | |
| Arcmont Asset Management (AAM) | |
| Glennmont Partners ⁸ (GNP) | |
| Nuveen Green Capital (NGC) | |
| Churchill Asset Management (CAM) | |
| Gresham Investment Management (GIM) | |
| Winslow Capital Management (WCM) | |

| Key | |
|----------------------------------|-------------------|
| ● Institutional separate account | ✕ Private fund |
| ▲ Separately managed account | ◆ Interval fund |
| + Closed-end fund | ■ Mutual fund |
| ★ Exchange-traded fund | ◆ UCITS fund |
| ▼ Hybrid structure | ○ Model portfolio |
| ★ Collective investment trust | |
| □ Responsible investing | |

Glossary

A **hybrid structure** combines two or more vehicles. This is not a comprehensive listing of all Nuveen products and certain strategies may be offered in other investment vehicles not listed here, such as other pooled structures. From time to time, we may close or reopen strategies. Vehicles are different investment products, each with its own features, terms and conditions, fee structures and risk factors and certain availability restrictions may apply. Not all products are available at all firms. Please check with your firm for availability. Vehicles shown may not be available in certain jurisdictions and/or to certain investors (such as not available to new accounts). Financial professionals should observe any applicable legal requirements. This information should not be considered a solicitation or an offer by Nuveen or its affiliates to provide any financial products or services in any jurisdiction where it is not otherwise authorized to do so. For more information on collective investment trusts, please call 800.752.8700. If you are a non-U.S. investor and would like more information on UCITS funds, please visit nuveen.com/global. UCITS are not available in the U.S. or to U.S. persons.

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