INVESTMENT PERFORMANCE SUMMARIES DISCLOSURE

The performance data quoted represents past performance, and is no guarantee of future results. Your returns and the principal value of your investment will fluctuate so that your accumulation units or shares, 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 the most recent month end performance, visit the TIAA website at https://www.tiaa.org/public/tcfpi/InvestResearch or call 877-518-9161.

For mutual fund prospectuses, or for annuities the contract prospectus and, if applicable, the underlying funds' prospectuses visit the TIAA website at http://www1.tiaa.org/public/prospectuses/ or call 877-518-9161.

The CREF Money Market Account and TIAA-CREF Money Market Fund are not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. Although the TIAA-CREF Money Market Fund seeks to preserve the value of your investment at \$1 per share, it is possible to lose money by investing in the fund.

The current yield of the money market funds/accounts more closely reflects current earnings than does the total return.

Lifecycle Fund Disclosures:

The Target Date is the approximate date when investors plan to start withdrawing their money.

The principal investment in any Lifecycle Fund is not quaranteed at any time even at or after the Target Date has been reached.

The Lifecycle Funds are Actively Managed fund of funds that invest primarily in Actively Managed Mutual Funds. Any chart or depiction of Lifecycle Fund asset allocation or glide paths will reflect current allocation and may be subject to change at any moment without notice.

Approximately seven to ten years following the Lifecycle Fund's target date the Fund may be merged into the TIAA-CREF Lifecycle Retirement Income Fund.

TIAA-CREF Individual & Institutional Services, LLC and Teachers Personal Investors Services, Inc. and Nuveen Securities, LLC, Members FINRA and SIPC, distribute 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. Each is solely responsible for its own financial condition and contractual obligations.

Please note that equity returns have historically been higher than other asset classes, but carry considerable risk of principal. Small stocks are traditionally more volatile than large stocks. Fixed income returns have historically been less than equity returns, are subject to interest rate risk, but bring greater safety of principal. Real estate investing has special risks, including fluctuations in property value, higher expenses or lower income than expected, and potential environmental problems and liability.

There are special risks associated with investments in foreign securities, including erratic market conditions economic and political instability and fluctuations in currency exchange rates.

Morningstar is an independent service that rates mutual funds and variable annuities, based on risk-adjusted returns. Although Morningstar data are gathered from reliable sources, neither Morningstar nor TIAA can guarantee its completeness and accuracy. Morningstar does not rate money market accounts, and the other TIAA mutual fund accounts are to new to be rated. Past performance does not guarantee future results. Accumulation net asset values and testines will vary.

Morningstar ratings include Retail, Retirement, Premier and Institutional fund share classes that have completed one calendar year of performance; CREF Variable Annuity Accounts; and the Life Funds. Please not Morningstar rates CREF group variable annuities within the open-end mutual fund universe. Current rankings may be higher or lower on a monthly basis. Morningstar is an independent service that rates mutual funds and variable annuities. The top 10% of accounts in an investment category receive five stars, the next 22.5% receive four stars, and the next 35% receive three stars. Morningstar proprietary ratings reflect historical risk-adjusted performance and can change every month. They are calculated from the account's three-, five- and ten-year average annual returns in excess of 90-day Treasury bill returns with appropriate fee adjustments, and a risk factor that reflects subaccount performance below 90-day T-bill returns. Past performance cannot guarantee future results. For current performance and rankings, please visit https://www.tiaa.org/public/tcfpi/InvestResearch.

CREF variable annuity accounts are managed by TIAA Investment Management, LLC, a registered investment adviser.

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. Mutual funds do not offer the range of income options available through annuities.

For the CREF variable annuity accounts we estimate expenses for the coming year based on projected expenses, asset levels and other relevant factors. At the end of each quarter, we compare these projections with the account's actual experience and adjust the account's expenses upward or downward to reflect any difference. These adjustments are made in equal daily installments over the remaining days of the new quarter.

TIAA may use fair value pricing when there are significant market movements in the United States after foreign markets have closed and it is expected that prices on those markets will change when they open the next day. Our benchmark indexes do not use this procedure. This difference in calculating share prices may magnify differences between a fund's performance and that of its benchmark. For a full description of fair value pricing, please see the section 'Calculating share price' in the mutual fund prospectuses.

TIAA Mutual Funds are managed by Teacher's Advisors, LLC under the supervision of the Board of Trustees. Advisors is an indirect wholly-owned subsidiary of TIAA. It is registered as an investment adviser with the U.S. Securities and Exchange Commission under the Investment Advisers Act of 1940.

Benchmark Disclosures

Please note, you cannot invest directly in any index.

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The BofA Merrill Lynch BB-B US Cash Pay Index is an unmanaged index. The index includes securities that are rated either BB or B on a composite basis by Moody's and Standard & Poor's and are U.S. dollar cash-pay securities.

The NAREIT Index is an unmanaged, market capitalization weighted index of all publicly-traded REITs that invest predominantly in the equity ownership of real estate. The index is designed to reflect the performance of all publicly-traded equity

The iMoneyNet Money Fund Averages™ – All Government is a simple average of over 500 money market funds that invest in U.S. Treasuries, U.S. Agencies, repurchase agreements and government-backed floating rate notes and you cannot invest directly in it.

The Bloomberg Barclays U.S. Aggregate Bond Index, the Bloomberg Barclays 10-Year Municipal Bond Index and the Bloomberg Barclays Mutual Fund (1-3 Year) Government/Credit Index are all unmanaged indices.

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INVESTMENT PERFORMANCE SUMMARIES INSTRUCTIONS

Every month and every quarter, TIAA creates a summary of performance information on all TIAA-CREF funds. The performance summaries highlight month or quarter end reviews of

- Six different asset classes of funds
- Net assets under management for each fund
- Expense Ratio
- 1 month, 3 month, YTD performance
- 1, 3, 5, 10 year and since inception performance
- Benchmark comparisons

The reports are available the 10th business day of each month. If you 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. Please contact your TIAA Relationship Manager if you have any questions. Thank you.

- 1. The disclosure page cannot be changed in any way and must be provided with the report.
 2. Benchmark data may be removed for a fund(s) but the removal must be consistent across all funds. For example, if your plan offers TIAA-CREF Large Cap Value Fund, you may either delete all of the benchmarks associated with this Fund or keep all of them.
- 3. Non-proprietary funds cannot be added to this spreadsheet. If you offer non-proprietary funds in your plans, a clear distinction must be made between those funds and the TIAA-CREF funds.
- The disclosure page should precede the performance presentation, or otherwise be prominently presented.
 The performance data should not be altered in any way.
- 6. Only those tabs/share classes/funds offered under the respective plans may be sent to plan administrators.

Thank you for your cooperation in adhering to these guidelines. Please contact your TIAA Relationship Manager if you need additional information or if you have any questions

INVESTMENT PERFORMANCE SUMMARY CREF VARIABLE ANNUITIES - R3

			F	revious Qu	arter-End Re	turns				Current Mo	nth-End Ret		niiai Patiipa		_
			1 Year	3 Year	vg. Annuar F 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	-
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
ACCOUNT	05/31/17	(bps)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
U.S. Equities															
CREF EQUITY INDEX ACCOUNT	\$18,315.20	23	17.79%	9.48%	12.83%	7.17%	1.01%	2.11%	7.86%	17.43%	9.41%	14.91%	6.60%	9.31%	4/29/1994
															4/24/2015
BM: Russell 3000 Index			18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	10.00%	
Fund vs.Russell 3000 Index			-28	-28	-35	-37	-1	-5	-10	-26	-27	-35	-36	-69	
PG: Large Blend M'star OE Category Fund vs. Large Blend M'star OE Category			15.97% 182	8.14% 134	11.74% 109	6.52% 65	N/A N/A	N/A N/A	N/A N/A	16.05% 138	8.08% 133	13.99% 92	5.98% 62	N/A N/A	
PG: Fund % Rank in Large Blend M'star Category			24%	29%	26%	31%	N/A	N/A	N/A	31%	29%	32%	32%	N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
ODES ODOMEN ACCOUNT	*** ***		44.000/	40.000/	40.000/		0.040/	= 000/	45 450/	40.000/	44.740/	45.000/	0.050/		
CREF GROWTH ACCOUNT	\$23,335.70	27	14.23%	10.68%	12.98%	8.90%	2.91%	7.08%	15.45%	19.22%	11.71%	15.93%	8.65%	8.44%	4/29/1994 4/24/2015
BM: Russell 1000 Growth Index			15.76%	11.27%	13.32%	9.13%	2.60%	6.16%	14.30%	20.27%	11.92%	15.98%	8.77%	9.00%	112112010
Fund vs.Russell 1000 Growth Index			-153	-59	-34	-23	31	92	115	-105	-21	-5	-12	-56	
PG: Large Growth M'star OE Category			14.85%	8.53%	11.55%	7.71%	N/A	N/A	N/A	18.19%	9.67%	14.45%	7.41%	N/A	
Fund vs. Large Growth M'star OE Category			-62	215	143	119	N/A	N/A	N/A	103	204	148	124	N/A	
PG: Fund % Rank in Large Growth M'star Category PG: # of funds in Large Growth M'star Category			59% 1454	17% 1306	21% 1154	20% 800	N/A N/A	N/A N/A	N/A N/A	40% 1426	20% 1284	21% 1145	21% 805	N/A N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
•															
Global Equities							1								
CREF GLOBAL EQUITIES ACCOUNT	\$19,244.20	33	14.14%	4.92%	9.05%	4.16%	1.93%	4.93%	10.63%	15.86%	5.47%	11.98%	3.79%	7.56%	5/1/1992
S.L. SEODAL EQUITIES ASSOCIATI	ψ13,244.ZU	JJ.	17.170	T.JL /0	3.00 /6	10 /o	1.33/0	7.33 /6	10.03%	10.00%	J.#1 /0	11.30%	J.13/0	1.30 /0	4/24/2015
BM: MSCI World Index			14.77%	5.52%	9.37%	4.21%	2.12%	4.73%	10.23%	16.42%	5.73%	12.41%	3.85%	7.00%	2010
Fund vs.MSCI World Index			-63	-60	-32	-5	-19	20	40	-56	-26	-43	-6	56	
PG: World Large Stock M'star OE Category			13.68%	4.12%	8.27%	4.11%	N/A	N/A	N/A	16.19%	4.97%	11.42%	3.68%	N/A	
Fund vs. World Large Stock M'star OE Category			46	80	78	5 50%	N/A	N/A	N/A	-33	50	56	11	N/A	
PG: Fund % Rank in World Large Stock M'star Category PG: # of funds in World Large Stock M'star Category			41% 1023	36% 839	32% 673	50% 382	N/A N/A	N/A N/A	N/A N/A	55% 866	43% 712	38% 581	47% 327	N/A N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
•															
CREF STOCK ACCOUNT	\$119,765.80	32	16.44%	6.71%	10.22%	5.48%	1.66%	4.20%	10.15%	17.69%	7.03%	12.94%	5.03%	9.83%	7/31/1952
BM: CREF Composite Benchmark ^[1]															4/24/2015
Fund vs.CREF Composite Benchmark			16.62% -18	7.07% -36	10.63% -41	5.71% -23	1.67%	3.92% 28	9.74% 41	17.86% -17	7.27% -24	13.32% -38	5.26% -23	N/A N/A	
PG: Large Blend M'star OE Category			15.97%	-36 8.14%	11.74%	-23 6.52%	N/A	N/A	N/A	16.05%	-2 4 8.08%	-36 13.99%	-23 5.98%	N/A	
Fund vs. Large Blend M'star OE Category			47	-143	-152	-104	N/A	N/A	N/A	164	-105	-105	-95	N/A	
PG: Fund % Rank in Large Blend M'star Category			48%	80%	84%	83%	N/A	N/A	N/A	24%	75%	79%	81%	N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	**	**	**	N/A	N/A	N/A	N/A	**	**	**	N/A	
Fixed Income															
CREF BOND MARKET ACCOUNT	\$13,701.50	29	1.48%	2.82%	2.56%	3.99%	0.73%	1.53%	2.63%	2.43%	2.72%	2.53%	4.18%	5.96%	3/1/1990
DV DV V V DV V V DV V V DV V V V			0.440/	0.000/	0.040/	4.070/	0.770/	4 400/	0.000/	4.500/	0.500/	0.040/	4.400/	0.000/	4/24/2015
BM: Bloomberg Barclays U.S. Aggregate Bond Index Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			0.44% 104	2.68% 14	2.34% 22	4.27% -28	0.77%	1.49% 4	2.38% 25	1.58% 85	2.53% 19	2.24% 29	4.46% -28	6.00%	
PG: Intermediate-Term Bond M'star OE Category			1.74%	2.41%	2.52%	4.06%	N/A	N/A	N/A	2.59%	2.28%	2.52%	4.26%	N/A	
Fund vs. Intermediate-Term Bond M'star OE Category			-26	41	4	-7	N/A	N/A	N/A	-16	44	1	-8	N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			51%	26%	47%	59%	N/A	N/A	N/A	51%	24%	48%	60%	N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750	538	N/A	N/A	N/A	978	856	757	539	N/A	
Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	****	***	***	N/A	
CREF INFLATION-LINKED BOND ACCOUNT ^[5]	\$6.7E2.40	24	4 220/	1 669/	0.500/	2 700/	0.00%	0.20%	4 429/	2.06%	0.639/	0.069/	2 909/	E 449/	5/1/1997
	\$6,753.10	24	1.32%	1.66%	0.58%	3.78%	0.00%	0.39%	1.43%	2.06%	0.63%	-0.06%	3.89%	5.11%	4/24/2015
BM: Bloomberg Barclays US TIPS 1-10 Year Index			1.45%	1.46%	0.62%	3.59%	-0.05%	0.46%	1.45%	2.17%	0.71%	0.37%	3.66%	N/A	
Fund vs.Bloomberg Barclays US TIPS 1-10 Year Index			-13	20	-4	19	5	-7	-2	-11	-8	-43	23	N/A	
PG: Inflation-Protected Bond M'star OE Category			2.13%	1.17%	0.40%	3.30%	N/A	N/A	N/A	2.68%	0.37%	-0.08%	3.42%	N/A	
Fund vs. Inflation-Protected Bond M'star OE Category			-81	49	18	48	N/A	N/A	N/A	-62	26	2	47	N/A	
PG: Fund % Rank in Inflation-Protected Bond M'star Category PG: # of funds in Inflation-Protected Bond M'star Category			66% 237	23% 195	37% 165	36% 108	N/A N/A	N/A N/A	N/A N/A	62% 235	34% 202	49% 172	35% 112	N/A N/A	
			N/A	195 ****	165 ***	1U8 ***	N/A N/A	N/A N/A	N/A N/A	235 N/A	202 ***	1/2 ***	***	N/A N/A	
Fund Star Rating			i				1								
Fund Star Rating							1							8.32%	3/1/1990
Fund Star Rating Multi-Asset	\$13,070.00	27	9 68%	5.00%	7 /140/	5.40%	1 320/	3 220/	6 520/	10 640/					3/1/1990
Fund Star Rating	\$13,979.80	27	9.68%	5.09%	7.41%	5.40%	1.32%	3.22%	6.53%	10.64%	5.14%	8.91%	5.23%	0.32 /0	4/24/2015
Fund Star Rating Multi-Asset	\$13,979.80	27	9.68% 9.75%	5.09% 5.57%	7.41% 7.76%	5.40% 5.61%	1.32%	3.22% 2.97%	6.53%	10.64%	5.64%	9.20%	5.40%	8.00%	4/24/2015
Fund Star Rating Multi-Asset CREF SOCIAL CHOICE ACCOUNT ^[S]	\$13,979.80	27													4/24/2015
Fund Star Rating Multi-Asset CREF SOCIAL CHOICE ACCOUNT ^[S] BM: CREF Social Choice Account Composite Benchmark	\$13,979.80	27		5.57%	7.76%	5.61%	1.34%	2.97%	6.54%	10.76%	5.64%	9.20%	5.40%	8.00%	4/24/2015
Fund Star Rating Multi-Asset CREF SOCIAL CHOICE ACCOUNT ^[S] BM: CREF Social Choice Account Composite Benchmark Fund vs. CREF Social Choice Account Composite Benchmark PC: Allocation—59% to 70% Equity Mistar OE Category Fund vs. Allocation—50% to 70% Equity Mistar OE Category	\$13,979.80	27	9.75% -7 10.53% -85	5.57% -48 4.43% 66	7.76% -35 7.04% 37	5.61% -21 5.06% 34	1.34% -2 N/A N/A	2.97% 25 N/A N/A	6.54% -1 N/A N/A	10.76% -12 10.66% -2	5.64% -50 4.36% 78	9.20% -29 8.43% 48	5.40% -17 4.73% 50	8.00% 32 N/A N/A	4/24/2015
Fund Star Rating Multi-Asset CREF SOCIAL CHOICE ACCOUNT ^(S) BM: CREF Social Choice Account Composite Benchmark Fund vs. CREF Social Choice Account Composite Benchmark PG: Allocation—50% to 70% Equity Mistar DE Category Fund vs. Allocation—50% to 70% Equity Mistar CE Category PG: Fund % Rank in Allocation—50% to 70% Equity Mistar Category	\$13,979.80	27	9.75% -7 10.53% -85 60%	5.57% -48 4.43% 66 39%	7.76% -35 7.04% 37 44%	5.61% -21 5.06% 34 39%	1.34% -2 N/A N/A	2.97% 25 N/A N/A N/A	6.54% -1 N/A N/A N/A	10.76% -12 10.66% -2 49%	5.64% -50 4.36% 78 36%	9.20% -29 8.43% 48 42%	5.40% -17 4.73% 50 33%	8.00% 32 N/A N/A N/A	4/24/2015
Fund Star Rating Multi-Asset CREF SOCIAL CHOICE ACCOUNT ^[S] BM: CREF Social Choice Account Composite Benchmark Fund vs. CREF Social Choice Account Composite Benchmark PC: Allocation—59% to 70% Equity Mistar OE Category Fund vs. Allocation—50% to 70% Equity Mistar OE Category	\$13,979.80	27	9.75% -7 10.53% -85	5.57% -48 4.43% 66	7.76% -35 7.04% 37	5.61% -21 5.06% 34	1.34% -2 N/A N/A	2.97% 25 N/A N/A	6.54% -1 N/A N/A	10.76% -12 10.66% -2	5.64% -50 4.36% 78	9.20% -29 8.43% 48	5.40% -17 4.73% 50	8.00% 32 N/A N/A	4/24/2015

			F	revious Qua						Current Mo	nth-End Reti				
				A\	/g. Annuai R	eturns						Avg. An	nuai Keturn		_
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
ACCOUNT	05/31/17	(bps)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Money Market															
CREF MONEY MARKET ACCOUNT ^[2,4]	\$9,658.20	23	0.18%	0.07%	0.04%	0.63%	0.04%	0.10%	0.13%	0.22%	0.09%	0.05%	0.56%	3.28%	4/1/1988
															4/24/2015
PG: iMoneynet Money Fund AveragesTM-All Government			0.12%	0.05%	0.03%	0.52%	0.03%	0.08%	0.11%	0.16%	0.07%	0.05%	0.45%	2.97%	
Fund vs.iMoneynet Money Fund AveragesTM-All Government			6	2	1	11	1	2	2	6	2	0	11	31	
7-Day Effective Yield as of 05/31/2017: 0.48%															
7-Day Current Yield as of 05/31/2017: 0.48%															
CREE ACCOUNTS TOTALS	\$224 753 50		•				•								

BM = Benchmark; PG = Peer Group; % Rank within Morningstar Category: 1 = Best 100 = Worst; Morningstar Category Returns are equal-weighted.

The Morningstar category averages, percentile ranks and star ratings are sourced from the Morningstar Essentials files prepared for TIAA as well as from Morningstar Direct.

Morningstar, Inc. rates and ranks U.S. variable annuities' underlying funds within their open-end mutual funds universe and includes the effect of fees and expenses charged by U.S. variable annuities in their comparisons. The data points that provide the number of investments in each category for the 3, 5, and 10 year time periods reflect the number of funds in each respective Morningstar open-end fund category.

Where a product lists two inception dates, the top date reflects the inception date of the product's oldest share class, and the bottom date represents the date of inception for the Share Class being reported.

The performance shown for Class R3 that is prior to its inception date is based on the performance of the Account's Class R1. The performance for these periods has not been restated to reflect the lower expenses of Class R3. If these lower expenses had been reflected, the performance of Class R3 for these periods would have been higher.

- [1] Current Weightings: 70.00% Russell 3000® Index, 30.00% MSCI ACWI ex US Investable Market Index.
- [2] The Peer Group since inception performance shown is computed from May 1988.

[3] As of July 1, 2002, the domestic equity component of the Social Choice Account uses the Russell 3000® Index as its benchmark. Prior to July 1, 2002, it used the S&P 500® Index. Consequently, the domestic equity component of the benchmark data involving time periods prior to July 1, 2002, are a combination of the Russell 3000® and the S&P 500®, reflecting the proportional weights of the two equity benchmarks during the periods involved. As of April 1, 2008, the MSCI EAFE®+Canada Index was added to the Social Choice Account's composite benchmark to reflect the change in the equity component of the account to include foreign developed-market stocks. The current weightings are 48% Russell 3000® Index, 40% Bloomberg Barclays U.S. Aggregate Bond Index, 12% MSCI EAFE + Canada Index.

As provided for in the annuity contracts or certificates, restrictions may apply to certain plan sponsor and / or participant initiated transactions. Please refer to these documents for details.

[4] Beginning July 16, 2009, part or all of the 12b-1 distribution expenses and/or administrative expenses attributable to the CREF Money Market Account are being voluntarily waived. Without these waivers, the 7-day current and effective annualized yields and total returns would have been lower. These waivers may be discontinued at any time without notice. Amounts waived on or after October 1, 2010 are subject to possible recovery by TIAA under certain conditions. Please see the prospectus for additional information.

[5] Effective April 1, 2016 the Fund's benchmark index changed from the Bloomberg Barclays U.S. TIPS Index to the Bloomberg Barclays 1-10 US Treasury Inflation Protected Securities Index.

INVESTMENT PERFORMANCE SUMMARY CREF VARIABLE ANNUITIES - R2

			P	revious Quar	rter-End Ret				Cı	urrent Mont	th-End Retu		ual Returns		_
	Total Portfolio Net	Exp.	1 Year 04/01/16	3 Year 04/01/14	5 Year 04/01/12	10 Year 04/01/07	1 Month 05/01/17	3 Month 03/01/17	YTD 01/01/17	1 Year 06/01/16	3 Year 06/01/14	5 Year 06/01/12	10 Year	Since Inception	-
ACCOUNT	Assets (in \$Mil.) 05/31/17	Ratio (bps)	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to	to 05/31/17	Inc. Date
U.S. Equities		(-1)													
CREF EQUITY INDEX ACCOUNT	\$18,315.20	34	17.68%	9.40%	12.79%	7.15%	1.00%	2.09%	7.82%	17.32%	9.33%	14.86%	6.57%	9.30%	4/29/1994
BM: Russell 3000 Index			10.070/	9.76%	13.18%	7.54%	1.020/	2.469/	7.069/	17 600/	9.68%	1E 200/	6.060/	10.000/	4/24/2015
Fund vs.Russell 3000 Index			18.07% -39	-36	-39	7.54% -39	1.02%	2.16% -7	7.96% -14	17.69% -37	-35	15.26% -40	6.96% -39	10.00% -70	
PG: Large Blend M'star OE Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star OE Category			171	126	105	63	N/A	N/A	N/A	127	125	87	59	N/A	
PG: Fund % Rank in Large Blend M'star Category			25%	31%	28%	32%	N/A	N/A	N/A	35%	31%	34%	34%	N/A	
PG: # of funds in Large Blend M'star Category Fund Star Rating			1404 N/A	1248	1113	822 ***	N/A N/A	N/A N/A	N/A N/A	1383 N/A	1222	1081	798 ***	N/A N/A	
			IN/A	***	****	***	INA	INA	IN/A	IN/A	***	***	***		
CREF GROWTH ACCOUNT	\$23,335.70	38	14.12%	10.60%	12.94%	8.88%	2.91%	7.05%	15.40%	19.10%	11.64%	15.88%	8.63%	8.43%	4/29/1994 4/24/2015
BM: Russell 1000 Growth Index			15.76%	11.27%	13.32%	9.13%	2.60%	6.16%	14.30%	20.27%	11.92%	15.98%	8.77%	9.00%	
Fund vs.Russell 1000 Growth Index			-164 14.85%	-67 8.53%	-38	-25 7.71%	31 N/A	89 N/A	110 N/A	-117	-28 9.67%	-10 14.45%	-14 7.41%	-57 N/A	
PG: Large Growth M'star OE Category Fund vs. Large Growth M'star OE Category			-73	207	11.55% 139	117	N/A	N/A	N/A	18.19% 91	197	143	122	N/A	
PG: Fund % Rank in Large Growth M'star Category			61%	18%	22%	20%	N/A	N/A	N/A	42%	20%	22%	21%	N/A	
PG: # of funds in Large Growth M'star Category			1454	1306	1154	800	N/A	N/A	N/A	1426	1284	1145	805	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
Global Equities															
CREF GLOBAL EQUITIES ACCOUNT	\$19,244.20	44	14.03%	4.85%	9.01%	4.14%	1.93%	4.91%	10.58%	15.75%	5.40%	11.94%	3.77%	7.55%	5/1/1992
BM: MSCI World Index			14.77%	5.52%	9.37%	4.21%	2.12%	4.73%	10.23%	16.42%	5.73%	12.41%	3.85%	7.00%	4/24/2015
Fund vs.MSCI World Index			-74	-67	-36	-7	-19	18	35	-67	-33	-47	-8	55	
PG: World Large Stock M'star OE Category			13.68%	4.12%	8.27%	4.11%	N/A	N/A	N/A	16.19%	4.97%	11.42%	3.68%	N/A	
Fund vs. World Large Stock M'star OE Category			35	73	74	3	N/A	N/A	N/A	-44	43	52	9	N/A	
PG: Fund % Rank in World Large Stock M'star Category			43%	38%	33%	51%	N/A	N/A	N/A	56%	44%	39%	47%	N/A	
PG: # of funds in World Large Stock M'star Category			1023	839	673	382	N/A	N/A	N/A	866	712	581	327	N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
CREF STOCK ACCOUNT	\$119,765.80	43	16.33%	6.64%	10.17%	5.46%	1.65%	4.17%	10.11%	17.57%	6.96%	12.90%	5.01%	9.82%	7/31/1952 4/24/2015
BM: CREF Composite Benchmark [1]			16.62%	7.07%	10.63%	5.71%	1.67%	3.92%	9.74%	17.86%	7.27%	13.32%	5.26%	N/A	
Fund vs.CREF Composite Benchmark			-29	-43	-46	-25	-2	25	37	-29	-31	-42	-25	N/A	
PG: Large Blend M'star OE Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star OE Category			36	-150	-157	-106	N/A	N/A	N/A	152	-112	-109	-97	N/A	
PG: Fund % Rank in Large Blend M'star Category PG: # of funds in Large Blend M'star Category			50% 1404	81% 1248	84% 1113	83% 822	N/A N/A	N/A N/A	N/A N/A	28% 1383	75% 1222	79% 1081	82% 798	N/A N/A	
Fund Star Rating			N/A	**	**	**	N/A	N/A	N/A	N/A	**	**	**	N/A	
Fixed Income															
CREF BOND MARKET ACCOUNT	\$13,701.50	40	1.38%	2.76%	2.52%	3.97%	0.73%	1.51%	2.59%	2.33%	2.64%	2.49%	4.16%	5.95%	3/1/1990
DM Discrete Devilor II O Accessed Devilor			0.440/	0.000/	0.040/	4.070/	0.770/	4.400/	0.000/	4.500/	0.500/	0.040/	4.400/	0.000/	4/24/2015
BM: Bloomberg Barclays U.S. Aggregate Bond Index Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			0.44% 94	2.68% 8	2.34% 18	4.27% -30	0.77%	1.49% 2	2.38%	1.58% 75	2.53% 11	2.24% 25	4.46% -30	6.00% -5	
PG: Intermediate-Term Bond M'star OE Category			1.74%	2.41%	2.52%	4.06%	N/A	N/A	N/A	2.59%	2.28%	2.52%	4.26%	N/A	
Fund vs. Intermediate-Term Bond M'star OE Category			-36	35	0	-9	N/A	N/A	N/A	-26	36	-3	-10	N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			54%	29%	49%	60%	N/A	N/A	N/A	53%	28%	50%	61%	N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750	538	N/A	N/A	N/A	978	856	757	539	N/A	
Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	****	***	***	N/A	
CREF INFLATION-LINKED BOND ACCOUNT [5]	\$6,753.10	35	1.22%	1.59%	0.54%	3.76%	0.00%	0.37%	1.39%	1.96%	0.56%	-0.10%	3.87%	5.10%	5/1/1997 4/24/2015
BM: Bloomberg Barclays US TIPS 1-10 Year Index			1.45%	1.46%	0.62%	3.59%	-0.05%	0.46%	1.45%	2.17%	0.71%	0.37%	3.66%	N/A	71241ZU15
Fund vs.Bloomberg Barclays US TIPS 1-10 Year Index			-23	13	-8	17	5	-9	-6	-21	-15	-47	21	N/A	
PG: Inflation-Protected Bond M'star OE Category			2.13%	1.17%	0.40%	3.30%	N/A	N/A	N/A	2.68%	0.37%	-0.08%	3.42%	N/A	
Fund vs. Inflation-Protected Bond M'star OE Category PG: Fund % Rank in Inflation-Protected Bond M'star Category			-91 71%	42 25%	14	46 36%	N/A N/A	N/A N/A	N/A N/A	-72 67%	19 37%	-2 51%	45 37%	N/A	
PG: Fund % Rank in Initiation-Protected Bond Mistar Category PG: # of funds in Inflation-Protected Bond Mistar Category			237	25% 195	42% 165	36% 108	N/A N/A	N/A N/A	N/A N/A	67% 235	37% 202	51% 172	37% 112	N/A N/A	
Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
Multi-Asset															
CREF SOCIAL CHOICE ACCOUNT [3]	642.070.00	20	0 570/	E 029/	7 2001	E 279/	4 229/	2 2001	6 400'	10 5401	E 070'	0.070/	E 240'	0 249/	2/4/4000
OREF SOCIAL CHOICE ACCOUNT	\$13,979.80	38	9.57%	5.03%	7.36%	5.37%	1.32%	3.20%	6.49%	10.54%	5.07%	8.87%	5.21%	8.31%	3/1/1990 4/24/2015
BM: CREF Social Choice Account Composite Benchmark			9.75%	5.57%	7.76%	5.61%	1.34%	2.97%	6.54%	10.76%	5.64%	9.20%	5.40%	8.00%	712712013
Fund vs.CREF Social Choice Account Composite Benchmark			-18	-54	-40	-24	-2	23	-5	-22	-57	-33	-19	31	
PG: Allocation50% to 70% Equity M'star OE Category			10.53%	4.43%	7.04%	5.06%	N/A	N/A	N/A	10.66%	4.36%	8.43%	4.73%	N/A	
			000	60	32	31	N/A	N/A	N/A	-12	71	44	48	N/A	
Fund vs. Allocation50% to 70% Equity M'star OE Category			-96	60	32	31	14075								
PG: Fund % Rank in Allocation50% to 70% Equity M'star Category			62%	41%	46%	40%	N/A	N/A	N/A	52%	39%	43%	34%	N/A	

			P	revious Qua					Cu	irrent Mont	h-End Retu				
					g. Annual Re							Avg. Ann	ual Returns		
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net		04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
ACCOUNT	05/31/17	(bps)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Money Market															
CREF MONEY MARKET ACCOUNT [2,4]	\$9,658.20	34	0.10%	0.03%	0.02%	0.62%	0.04%	0.08%	0.10%	0.15%	0.05%	0.03%	0.55%	3.27%	4/1/1988
															4/24/201
PG: iMoneynet Money Fund AveragesTM-All Government			0.12%	0.05%	0.03%	0.52%	0.03%	0.08%	0.11%	0.16%	0.07%	0.05%	0.45%	2.97%	
Fund vs.iMoneynet Money Fund AveragesTM-All Government			-2	-2	-1	10	1	0	-1	-1	-2	-2	10	30	
7-Day Effective Yield as of 05/31/2017: 0.44%															
7-Day Current Yield as of 05/31/2017: 0.44%															

BM = Benchmark; PG = Peer Group; % Rank within Morningstar Category: 1 = Best 100 = Worst; Morningstar Category Returns are equal-weighted.

The Morningstar category averages, percentile ranks and star ratings are sourced from the Morningstar Essentials files prepared for TIAA as well as from Morningstar Direct.

Morningstar, Inc. rates and ranks U.S. variable annuities' underlying funds within their open-end mutual funds universe and includes the effect of fees and expenses charged by U.S. variable annuities in their comparisons. The data points that provide the number of investments in each category for the 3, 5, and 10 year time periods reflect the number of funds in each respective Morningstar open-end fund category.

Where a product lists two inception dates, the top date reflects the inception date of the product's oldest share class, and the bottom date represents the date of inception for the Share Class being reported.

The performance shown for Class R2 that is prior to its inception date is based on the performance of the Account's Class R1. The performance for these periods has not been restated to reflect the lower expenses of Class R2. If these lower expenses had been reflected, the performance of Class R2 for these periods would have been higher.

- [1] Current Weightings: 70.00% Russell 3000® Index, 30.00% MSCI ACWI ex US Investable Market Index.
- [2] The Peer Group since inception performance shown is computed from May 1988.

[3] As of July 1, 2002, the domestic equity component of the Social Choice Account uses the Russell 3000® Index as its benchmark. Prior to July 1, 2002, it used the S&P 500® Index. Consequently, the domestic equity component of the benchmark data involving time periods prior to July 1, 2002, are a combination of the Russell 3000® and the S&P 500®, reflecting the proportional weights of the two equity benchmarks during the periods involved. As of April 1, 2008, the MSCI EAFE®+Canada Index was added to the Social Choice Account's composite benchmark to reflect the change in the equity component of the account to include foreign developed-market stocks. The current weightings are 48% Russell 3000® Index, 40% Bloomberg Barclays U.S. Aggregate Bond Index, 12% MSCI EAFE + Canada Index.

As provided for in the annuity contracts or certificates, restrictions may apply to certain plan sponsor and / or participant initiated transactions. Please refer to these documents for details.

[4] Beginning July 16, 2009, part or all of the 12b-1 distribution expenses and/or administrative expenses attributable to the CREF Money Market Account are being voluntarily waived. Without these waivers, the 7-day current and effective annualized yields and total returns would have been lower. These waivers may be discontinued at any time without notice. Amounts waived on or after October 1, 2010 are subject to possible recovery by TIAA under certain conditions. Please see the prospectus for additional information.

[5] Effective April 1, 2016 the Fund's benchmark index changed from the Bloomberg Barclays U.S. TIPS Index to the Bloomberg Barclays 1-10 US Treasury Inflation Protected Securities Index.

INVESTMENT PERFORMANCE SUMMARY CREF VARIABLE ANNUITIES - R1

Per				Pr	evious Qua	rter-End Re	turns			C	urrent Mon	th-End Ret	urns			
March Marc					Av	g. Annual R	eturns	4 14 44	0.14				Avg. Anr			_
Mathematical Properties Mathematical Pro		Total Portfolio Net	Exp.													
Control Cont			Ratio	**												
Part	ACCOUNT	05/31/17	(bps)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
March Marc	U.S. Equities															
Part	CREF EQUITY INDEX ACCOUNT	\$18,315.2	61	17.37%	9.21%	12.67%	7.09%	0.97%	2.02%	7.70%	17.01%	9.12%	14.73%	6.51%	9.27%	4/29/1994
Part	BM: Russell 3000 Index			18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	9.66%	
Part																
Part of the funds production (1998) 1998																
Part																
18.00 18.0	PG: # of funds in Large Blend M'star Category															
M. Maural 1000 Growth Indees	Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
Part	CREF GROWTH ACCOUNT	\$23,335.7	65	13.82%	10.41%	12.82%	8.82%	2.88%	6.98%	15.28%	18.78%	11.42%	15.75%	8.57%	8.41%	4/29/1994
Part	PM: Puggall 1000 Crouth Indov			15 76%	11 27%	12 220/	0.139/	2 60%	6 16%	14 20%	20.27%	11 02%	15 00%	0 770/.	0.21%	
Part																
Part of Latina in Lange Content Part Calcagony 1978						11.55%			N/A			9.67%			N/A	
Part																
Part																
Mathematic Mat																
Mathematic Mat																
Me Micro Novel Index	Global Equities															
Fixer Mark March Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian CE Category Fixer A. W. Mark Lange Black Marian Ce Category Fixer A. W. Mark Lange Black Marian Ce Category Fixer A. W. Mark Lange Black Marian Ce Category Fixer A. W. Mark Lange Black Marian Ce Category Fixer A. W. Mark Lange Black Marian Cellegory F	CREF GLOBAL EQUITIES ACCOUNT	\$19,244.2	72	13.73%	4.66%	8.89%	4.09%	1.90%	4.83%	10.46%	15.44%	5.19%	11.81%	3.71%	7.53%	5/1/1992
1.000 1.00					5.52%	9.37%			4.73%	10.23%	16.42%	5.73%	12.41%	3.85%	7.41%	
Figure 1 Part Par																
PC Fund Sharth More Lungs Sook Mariar Colegoy 1970 1				13.68%												
Fine Startlanding Fine Start CACCOUNT 119,756.8 7.7 16,007 16,0				47%												
Part	PG: # of funds in World Large Stock M'star Category															
Marche Composite Benchmark 1	Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
Flow of Line Section	CREF STOCK ACCOUNT	\$119,765.8	71	16.03%	6.45%	10.05%	5.40%	1.62%	4.10%	9.99%	17.26%	6.75%	12.76%	4.95%	9.81%	7/31/1952
Part	BM: CREF Composite Benchmark [1]			16.62%	7.07%	10.63%	5.71%	1.67%	3.92%	9.74%	17.86%	7.27%	13.32%	5.26%	N/A	
Find or Lange Bland Mister Ce Cottageory	Fund vs.CREF Composite Benchmark															
P. Fund sharks in Large Blend Mater Category 1404 1136 287 1404 1136 287 1404 1136 1204 1106 1404 1136 1204 1106 1404 1404				15.97%												
Find Star Rating				53%												
Fixed Income 12 12 13 13 13 13 13 14 14 14				1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
See 1.2% 2.5% 2.4% 3.91% 0.70% 1.44% 2.48% 2.48% 2.48% 2.34% 2.49% 2.48% 2.34% 3.19% 0.70% 1.48% 2.48% 2.48% 2.48% 2.34% 2.49% 3.19% 0.49% 0.29% 0.49% 0.29% 0.24% 0.29% 0.24% 0.29% 0.24% 0.29% 0.24% 0.29% 0.29% 0.28% 0	Fund Star Rating			N/A	**	**	**	N/A	N/A	N/A	N/A	**	**	**	N/A	
Bit Bloomberg Barclays U.S. Aggregate Bond Index 0.44%	Fixed Income															
Fund visa Discomberg Barcilays U.S. Aggregate Bond Index 1,74% 2,41% 2,24% 4,06% NA NIA NIA NIA NIA NIA NIA NIA NIA NIA	CREF BOND MARKET ACCOUNT	\$13,701.5	68	1.12%	2.57%	2.41%	3.91%	0.70%	1.44%	2.48%	2.06%	2.45%	2.37%	4.10%	5.93%	3/1/1990
P.C. Intermediate-Term Bond Mistar CE Category 1,74% 2,41% 2,52% 4,10% N/A N/A N/A N/A N/A N/A 1,20% 2,20% 2,20% 2,20% 1,20% N/A	BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44%	2.68%	2.34%	4.27%	0.77%	1.49%	2.38%	1.58%	2.53%	2.24%	4.46%	6.20%	
Fund vs. Intermediate-Term Bond Mistar CE Category 62 16 47 42% 55% 62% NA NA NA NA NA NA 04 16% 65% 61% NA NA NA NA NA NA 05% 61% 61% NA	Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index							-7								
PG: Fund % Rank in Intermediate—Term Bond M'star Category PG: Fund % Rank																
Fund Star Rating N/A S+* S+* S+* S+* S+* S+* N/A N/A N/A N/A N/A S+* S+* S+* S+* N/A N/A N/A S+* S+* S+* S+* N/A N/A N/A N/A S+* S+* S+* S+* N/A N/A N/A N/A N/A S+* S+* S+* S+* N/A																
Sef					851	750	538					856	757	539		
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1.45% 1.46% 0.62% 3.59% -0.05% 0.46% 1.45% 2.17% 0.71% 0.37% 3.66% N/A PG: Inflation-Protected Bond Mistar CE Category 2.13% 1.17% 0.40% 3.30% N/A N/A N/A N/A 2.68% 0.37% -0.08% 3.42% N/A Fund vs. Inflation-Protected Bond Mistar CE Category 1.117 24 3 41 N/A N/A N/A N/A N/A 99 0 -1.13 39 N/A PG: # of funds in Inflation-Protected Bond Mistar Category 2.27 195 165 108 N/A N/A N/A N/A 2.56% 0.37% 4.06% 1.45% 1.20% N/A Multi-Asset CREF Social Choice Account Composite Benchmark Fund vs. CREF Social Choice Account Composite Benchmark Fund vs. CREF Social Choice Account Composite Benchmark PG: Allocation-S0% to 70% Equity Mistar OE Category 1.48% 1.48% 1.46% 0.62% 3.59% 4.50% N/A	Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
Fund vs. Bloomberg Barclays US TIPS 1-10 Year Index 49 5 19 12 2 16 17 48 34 58 15 N/A PG: Inflation-Protected Bond Mistar OE Category 2.13% 1.17% 2.40 3.0% N/A	CREF INFLATION-LINKED BOND ACCOUNT [5]	\$6,753.1	63	0.96%	1.41%	0.43%	3.71%	-0.03%	0.30%	1.28%	1.69%	0.37%	-0.21%	3.81%	5.07%	5/1/1997
PG: Inflation-Protected Bond M'star OE Category Inflation-Protected Bond M'star Category Inflation-Prote	BM: Bloomberg Barclays US TIPS 1-10 Year Index			1.45%	1.46%	0.62%	3.59%	-0.05%	0.46%	1.45%	2.17%	0.71%	0.37%	3.66%	N/A	
Fund vs. Inflation-Protected Bond Mistar CE Category -117								2								
PG: Fund % Rank in Inflation-Protected Bond M'star Category PG: # of funds in Inflation-Protected Bond M'star Category Fund Star Rating Sample																
Multi-Asset CREF SOCIAL CHOICE ACCOUNT [3] \$13,979.8 65 9.29% 4.84% 7.25% 5.32% 1.29% 3.13% 6.38% 10.24% 4.87% 8.74% 5.15% 8.29% 3/1/1990 BM: CREF Social Choice Account Composite Benchmark Fund vs. Cash Social Choice Account Composite Benchmark Fund vs	• •															
Multi-Asset CREF Social Choice Account Composite Benchmark Fund vs. CREF Social Choice Account Composite Benchmark PG: Allocation-50% to 70% Equity M*star Cetagory PG: Fund % Rank in Allocation-50% to 70% Equity M*star Catagory PG: # of funds in Allocation-50% to 70% Equity M*star																
EMER SOCIAL CHOICE ACCOUNT [3] \$13,979.8 65 9.29% 4.84% 7.25% 5.32% 1.29% 3.13% 6.38% 10.24% 4.87% 5.15% 5.15% 8.29% 31/1/1990 BM: CREF Social Choice Account Composite Benchmark 9.75% 5.57% 7.76% 5.61% 1.34% 2.97% 6.54% 10.76% 5.64% 9.20% 5.40% 8.43% Fund vs. CREF Social Choice Account Composite Benchmark 9.75% 5.57% 7.76% 5.61% 1.34% 2.97% 6.54% 10.76% 5.64% 9.20% 5.40% 8.43% Fund vs. CREF Social Choice Account Composite Benchmark 9.75% 5.57% 7.76% 5.61% 1.34% 2.97% 6.54% 10.76% 5.64% 9.20% 5.40% 8.43% 9.20% 5.40% 10.76	Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	**	***	N/A	
EMER SOCIAL CHOICE ACCOUNT [3] \$13,979.8 65 9.29% 4.84% 7.25% 5.32% 1.29% 3.13% 6.38% 10.24% 4.87% 5.15% 5.15% 8.29% 31/1/1990 BM: CREF Social Choice Account Composite Benchmark 9.75% 5.57% 7.76% 5.61% 1.34% 2.97% 6.54% 10.76% 5.64% 9.20% 5.40% 8.43% Fund vs. CREF Social Choice Account Composite Benchmark 9.75% 5.57% 7.76% 5.61% 1.34% 2.97% 6.54% 10.76% 5.64% 9.20% 5.40% 8.43% Fund vs. CREF Social Choice Account Composite Benchmark 9.75% 5.57% 7.76% 5.61% 1.34% 2.97% 6.54% 10.76% 5.64% 9.20% 5.40% 8.43% 9.20% 5.40% 10.76	Multi-Asset															
BM: CREF Social Choice Account Composite Benchmark 9,75% 5,57% 7,76% 5,61% 1,34% 2,97% 6,54% 10,76% 5,64% 9,20% 5,40% 8,43% Fund vs. CREF Social Choice Account Composite Benchmark 46 -73 -51 -29 -5 16 -16 -52 -77 -46 -25 -14 P.G. Allocation—50% to 70% Equity M*star OE Category 10,53% 4,43% 7,04% 5,06% N/A		\$13,979.8	65	9.29%	4.84%	7.25%	5.32%	1.29%	3.13%	6.38%	10.24%	4.87%	8.74%	5.15%	8.29%	3/1/1990
Fund vs.CREF Social Choice Account Composite Benchmark 46 - 73 - 51 - 29 - 5 - 16 - 16 - 52 - 77 - 46 - 25 - 14 PG: Allocation—50% to 70% Equity M*star OE Category 10.5% 4.43% 7.04 - 5.06% N/A N/A N/A N/A 10.66% 4.36% 8.43% 4.73% N/A Fund vs. Allocation—50% to 70% Equity M*star OE Category 68% 47% 49% 42% N/A N/A N/A 59% 47% 47% 35% N/A PG: # of funds in Allocation—50% to 70% Equity M*star Category 824 721 616 424 N/A N/A N/A N/A N/A 800 727 653 431 N/A	DM ODEF Could Obstack to 100 miles															
PG: Allocation—50% to 70% Equity M'star OE Category 10.53% 4.43% 7.04% 5.06% N/A N/A N/A 10.66% 4.36% 4.36% 4.73% N/A Fund vs. Allocation—50% to 70% Equity M'star OE Category 10.53% 4.43% 7.04% 5.06% N/A N/A N/A N/A N/A 10.66% 4.36% 4.73% N/A PG: Fund % Rank in Allocation—50% to 70% Equity M'star Category 824 721 616 424 N/A N/A N/A N/A N/A 830 727 653 431 N/A																
PG: Fund % Rank in Allocation50% to 70% Equity M*star Category 68% 47% 49% 42% N/A N/A 59% 47% 47% 35% N/A PG: # of funds in Allocation-50% to 70% Equity M*star Category 824 721 616 424 N/A N/A N/A 830 727 653 431 N/A																
PG: # of funds in Allocation50% to 70% Equity M'star Category 824 721 616 424 N/A N/A N/A 830 727 653 431 N/A	Fund vs. Allocation50% to 70% Equity M'star OE Category															

			Pr		rter-End Re				С	urrent Mon	th-End Reti				
				Av	g. Annual R	eturns						Avg. Anr	nual Return	ıs	
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
ACCOUNT	05/31/17	(bps)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Money Market															
CREF MONEY MARKET ACCOUNT [2,4]	\$9,658.2	62	0.00%	0.00%	0.00%	0.61%	0.02%	0.03%	0.03%	0.03%	0.01%	0.01%	0.54%	3.27%	4/1/1988
PG: iMoneynet Money Fund AveragesTM-All Government			0.12%	0.05%	0.03%	0.52%	0.03%	0.08%	0.11%	0.16%	0.07%	0.05%	0.45%	2.97%	
Fund vs.iMoneynet Money Fund AveragesTM-All Government			-12	-5	-3	9	-1	-5	-8	-13	-6	-4	9	30	
7-Day Effective Yield as of 05/31/2017: 0.20%															
7-Day Current Yield as of 05/31/2017: 0.20%															
CREF ACCOUNTS TOTALS	\$224.753.5														

BM = Benchmark; PG = Peer Group; % Rank within Morningstar Category: 1 = Best 100 = Worst; Morningstar Category Returns are equal-weighted.

The Morningstar category averages, percentile ranks and star ratings are sourced from the Morningstar Essentials files prepared for TIAA as well as from Morningstar Direct.

Morningstar, Inc. rates and ranks U.S. variable annuities' underlying funds within their open-end mutual funds universe and includes the effect of fees and expenses charged by U.S. variable annuities in their comparisons. The data points that provide the number of investments in each category for the 3, 5, and 10 year time periods reflect the number of funds in each respective Morningstar open-end fund category.

- [1] Current Weightings: 70.00% Russell 3000® Index, 30.00% MSCI ACWI ex US Investable Market Index.
- [2] The Peer Group since inception performance shown is computed from May 1988.

[3] As of July 1, 2002, the domestic equity component of the Social Choice Account uses the Russell 3000® Index as its benchmark. Prior to July 1, 2002, it used the S&P 500® Index. Consequently, the domestic equity component of the benchmark data involving time periods prior to July 1, 2002, are a combination of the Russell 3000® and the S&P 500®, reflecting the proportional weights of the two equity benchmarks during the periods involved. As of April 1, 2008, the MSCI EAFE®+Canada Index was added to the Social Choice Account's composite benchmark to reflect the change in the equity component of the account to include foreign developed-market stocks. The current weightings are 48% Russell 3000® Index, 40% Bloomberg Barclays U.S. Aggregate Bond Index, 12% MSCI EAFE + Canada Index.

As provided for in the annuity contracts or certificates, restrictions may apply to certain plan sponsor and / or participant initiated transactions. Please refer to these documents for details.

[4] Beginning July 16, 2009, part or all of the 12b-1 distribution expenses and/or administrative expenses attributable to the CREF Money Market Account are being voluntarily waived. Without these waivers, the 7-day current and effective annualized yields and total returns would have been lower. These waivers may be discontinued at any time without notice. Amounts waived on or after October 1, 2010 are subject to possible recovery by TIAA under certain conditions. Please see the prospectus for additional information.

[5] Effective April 1, 2016 the Fund's benchmark index changed from the Bloomberg Barclays U.S. TIPS Index to the Bloomberg Barclays 1-10 US Treasury Inflation Protected Securities Index.

INVESTMENT PERFORMANCE SUMMARY TIAA ANNUITY ACCOUNTS

FOR PERIOD ENDING May 31, 2017 PLEASE REFER TO RISK DISCLOSURES ON PAGE ONE

			F	Previous Qua						Current Mo	nth-End Ret				
					g. Annuai R								nuai Keturn:		
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
ACCOUNT	05/31/17	(bps)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA TRADITIONAL ANNUITY-GROUP RETIREMENT ANNUITY 3	\$241,989.87		4.10%	4.03%	4.04%	4.34%	0.31%	0.93%	1.59%	4.03%	4.00%	4.03%	4.30%	N/A	1918
TIAA TRADITIONAL ANNUITY-GROUP SUPPLEMENTAL RETIREMENT ANNUITY	1,3]		3.39%	3.33%	3.35%	3.61%	0.26%	0.77%	1.32%	3.33%	3.31%	3.35%	3.58%	N/A	10/1/1973
TIAA TRADITIONAL ANNUITY-IRA (ISSUED ON OR AFTER 10/11/2010).	•		1.09%	1.03%	1.02%	N/A	0.10%	0.29%	0.48%	1.12%	1.04%	1.02%	N/A	1.06%	10/11/2010
TIAA TRADITIONAL ANNUITY-IRA (ISSUED PRIOR TO 10/11/201 $\phi_1^{1,3}$			2.99%	3.00%	3.00%	3.41%	0.25%	0.75%	1.23%	3.00%	3.00%	3.00%	3.38%	N/A	5/1/1997
TIAA TRADITIONAL ANNUITY-KEOGH ^{1,3]}			2.99%	3.00%	3.00%	3.41%	0.25%	0.75%	1.23%	3.00%	3.00%	3.00%	3.38%	N/A	4/1/1988
TIAA TRADITIONAL ANNUITY-RETIREMENT ANNUITY 3]			4.10%	4.03%	4.04%	4.34%	0.31%	0.93%	1.59%	4.03%	4.00%	4.03%	4.30%	N/A	1918
TIAA TRADITIONAL ANNUITY-RETIREMENT CHOICÉ ^{1,3]}			4.38%	4.36%	4.38%	4.49%	0.33%	0.99%	1.70%	4.30%	4.34%	4.37%	4.47%	4.52%	8/1/2005
TIAA TRADITIONAL ANNUITY-RETIREMENT CHOICE PLU\$ ^{1,3}]			3.62%	3.58%	3.58%	3.71%	0.27%	0.81%	1.39%	3.55%	3.55%	3.57%	3.69%	3.77%	6/1/2006
TIAA TRADITIONAL ANNUITY-SUPPLEMENTAL RETIREMENT ANNUIT \mathring{V}^{33}			3.39%	3.33%	3.35%	3.61%	0.26%	0.77%	1.32%	3.33%	3.31%	3.35%	3.58%	N/A	10/1/1973
TIAA REAL ESTATE ACCOUNT	\$24,767.30	85	4.42%	8.06%	8.58%	3.09%	0.29%	0.79%	1.63%	4.09%	7.41%	8.46%	2.94%	6.40%	10/2/1995
TIAA ANNUITY TOTALS	\$266,757.17														

TIAA ANNUITY TOTALS \$266,757.17

As provided for in the annuity contracts or certificates, restrictions may apply to certain plan sponsor and / or participant initiated transactions. Please refer to these documents for details.

[1] The Net Assets figures shown for the TIAA Traditional Annuity Accounts reflect the total Invested Assets that are attributable to the TIAA Traditional line of business within the TIAA General Account as of April 30, 2017. Please note that the assets of the entire General Account are available to meet the claims of the TIAA Traditional Annuity contract holders.

[2] The Net Assets figures shown for the TIAA Stable Return Annuity reflects the total Invested Assets that are attributable to the TIAA Stable Return line of business within the TIAA General Account as of April 30, 2017. Please note that the assets of the entire General Account are available to meet the claims of the TIAA Stable Return Annuity contract holders.

[3] The TIAA Traditional Account under the Retirement Annuity (RA), Group Retirement Annuity (GRA), Group Annuity (GA), Retirement Choice (RC), Supplemental Retirement Annuity (SRA), Group Supplemental Retirement Annuity (GSRA) and Retirement Choice Plus (RCP), Group Supplemental Annuity (GSRA) and Special Service Retirement Annuity (SSRA) contracts and the Stable Return (SR) Annuity contract are issued by Teachers Insurance and Annuity Association (TIAA), New York, NY 10017. Amounts contributed are deposited in TIAA's general account. These guaranteed accounts and contracts are not considered to be "investments" under the Federal Securities laws. Each premium allocated to these accounts and contracts buys a definite amount of lifetime income for participants based on the rate schedule in effect at the time the premium is paid. In addition, these accounts and contracts provide a guarantee of participants based on the rate schedule in effect at the time the premium is paid. In addition, these accounts and contracts provide a guarantee of Trustees. Additional interest, when declared, remains in effect for the "declaration year" that begins each March 1. Additional interest is not guaranteed for future years. Interest crediting rates are net of administrative expenses, investment expenses and risk capital charges. Payment obligations and the fulfillment of the returns provided for in these annuity accounts and contracts are subject to TIAA's claims-paying ability. Past interest rates are not indicative of future interest rates. These products are not mutual funds or bank products. The obligations of TIAA are not insured by the FDIC or any other federal governmental agency.

[4] The returns shown for the TIAA Traditional and Stable Return Products are based on a single investment at the beginning of each period. The Crediting Rates as of May 01, 2017 are as follows: TIAA Traditional Annuity - RC (4.25%); TIAA Traditional Annuity - RA, GRA and GA (4.00%); TIAA Traditional Annuity - SRA, GSRA, GSRA and SSRA (3.25%); TIAA Traditional Annuity - RCP (3.50%); TIAA Stable Return Annuity (1.25%). Funds applied to the TIAA Traditional Annuity during May 2017 will be credited with the indicated rates through February 28, 2018. Funds applied to TIAA Stable Return Annuity during May 2017 will be credited with the indicated rates until February 28, 2018. Funds transferred to TIAA Traditional and TIAA Stable Return Annuity during May 2017 will be credited with the indicated rates through February 28, 2018.

[5] Contributions and accumulation transfers can no longer be applied to IRA contracts issued prior to 10/10/2010.

INVESTMENT PERFORMANCE SUMMARY TIAA-CREF FUNDS INSTITUTIONAL SHARE CLASS

	_	_	P		arter-End Re					Current Mo	nth-End Retu				
			1 Year	3 Year	vg. Annual F 5 Year	Returns 10 Year	1 Month	3 Month	YTD	1 Year	3 Year	Avg. An 5 Year	nual Returns 10 Year	Since	
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio [2]	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
U.S. Equities															
TIAA-CREF ENHANCED LARGE-CAP GROWTH INDEX FUND (TLIIX) Gross Expense Ratio	\$2,425.30	34 34	16.34%	11.74%	12.49%	N/A	2.11%	5.00%	13.09%	20.39%	12.14%	15.04%	N/A	8.67%	11/30/2007
BM: Russell 1000 Growth Index		0.	15.76%	11.27%	13.32%		2.60%	6.16%	14.30%	20.27%	11.92%	15.98%		9.00%	
Fund vs.Russell 1000 Growth Index			58	47	-83		-49 N/A	-116 N/A	-121	12	22	-94		-33	
PG: Large Growth M'star Category Fund vs. Large Growth M'star Category			14.85% 149	8.53% 321	11.55% 94		N/A N/A	N/A N/A	N/A N/A	18.19% 220	9.67% 247	14.45% 59		N/A N/A	
PG: Fund % Rank in Large Growth M'star Category			29%	6%	32%		N/A	N/A	N/A	24%	16%	41%		N/A	
PG: # of funds in Large Growth M'star Category Fund Star Rating			1454 N/A	1306	1154		N/A N/A	N/A N/A	N/A N/A	1426 N/A	1284	1145		N/A N/A	
Turio Star Nating			IVA				IVA	N/A	N/A	IVA				IVA	
TIAA-CREF ENHANCED LARGE-CAP VALUE INDEX FUND (TEVIX)	\$2,248.50	34 34	18.06%	7.57%	11.98%	N/A	-0.50%	-2.08%	1.96%	13.27%	6.61%	13.52%	N/A	5.57%	11/30/2007
Gross Expense Ratio BM: Russell 1000 Value Index		34	19.22%	8.67%	13.13%		-0.10%	-1.30%	2.97%	14.66%	7.70%	14.67%		6.27%	
Fund vs.Russell 1000 Value Index			-116	-110	-115		-40	-78	-101	-139	-109	-115		-70	
PG: Large Value M'star Category Fund vs. Large Value M'star Category			17.44% 62	7.32% 25	11.47% 51		N/A N/A	N/A N/A	N/A N/A	14.75% -148	6.65% -4	13.24% 28		N/A N/A	
PG: Fund % Rank in Large Value M'star Category			44%	47%	39%		N/A	N/A	N/A	70%	57%	45%		N/A	
PG: # of funds in Large Value M'star Category			1258	1084	936		N/A	N/A	N/A	1244	1082	935		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF EQUITY INDEX FUND (TIEIX)	\$13,964.80	5	18.04%	9.73%	13.14%	7.53%	1.02%	2.17%	7.96%	17.67%	9.67%	15.23%	6.95%	5.57%	7/1/1999
Gross Expense Ratio BM: Russell 3000 Index		5	18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	5.64%	
Fund vs.Russell 3000 Index			-3	-3	-4	-1	0	1	0	-2	-1	-3	-1	-7	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star Category PG: Fund % Rank in Large Blend M'star Category			207 21%	159 21%	140 14%	101 18%	N/A N/A	N/A N/A	N/A N/A	162 25%	159 21%	124 20%	97 18%	N/A N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF GROWTH & INCOME FUND (TIGRX)	\$6,294.10	42	17.70%	9.63%	12.80%	8.86%	2.07%	4.33%	10.45%	17.75%	10.08%	15.27%	8.27%	5.92%	7/1/1999
Gross Expense Ratio		42													
BM: S&P 500 Index Fund vs.S&P 500 Index			17.17% 53	10.37% -74	13.30% -50	7.51% 135	1.41% 66	2.57% 176	8.66% 179	17.47% 28	10.14% -6	15.42% -15	6.94% 133	5.16% 76	
PG: Large Growth M'star Category			14.85%	8.53%	11.55%	7.71%	N/A	N/A	N/A	18.19%	9.67%	14.45%	7.41%	N/A	
Fund vs. Large Growth M'star Category			285 17%	110 33%	125 25%	115 20%	N/A	N/A N/A	N/A N/A	-44 55%	41	82	86 29%	N/A	
PG: Fund % Rank in Large Growth M'star Category PG: # of funds in Large Growth M'star Category			1454	1306	25% 1154	800	N/A N/A	N/A N/A	N/A N/A	1426	47% 1284	35% 1145	29% 805	N/A N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	****	****	N/A	
TIAA-CREF LARGE-CAP GROWTH FUND (TILGX)	\$4,400.10	43	13.10%	10.49%	13.27%	8.99%	3.83%	9.07%	18.00%	18.57%	12.32%	16.86%	8.92%	9.08%	3/31/2006
Gross Expense Ratio	\$4,400.10	43	13.1076	10.4376	13.27 /6	0.55%	3.03 /6	3.07 /6	10.0076	10.57 /6	12.02/0	10.0076	0.32 /6	3.00 /6	3/31/2000
BM: Russell 1000 Growth Index			15.76%	11.27%	13.32%	9.13%	2.60%	6.16%	14.30%	20.27%	11.92%	15.98%	8.77%	9.27%	
Fund vs.Russell 1000 Growth Index PG: Large Growth M'star Category			-266 14.85%	-78 8.53%	-5 11.55%	-14 7.71%	123 N/A	291 N/A	370 N/A	-170 18.19%	40 9.67%	88 14.45%	15 7.41%	-19 N/A	
Fund vs. Large Growth M'star Category			-175	196	172	128	N/A	N/A	N/A	38	265	241	151	N/A	
PG: Fund % Rank in Large Growth M'star Category			73%	20%	16%	17%	N/A	N/A	N/A	48%	13%	8%	16%	N/A	
PG: # of funds in Large Growth M'star Category Fund Star Rating			1454 N/A	1306	1154 ****	800 ***	N/A N/A	N/A N/A	N/A N/A	1426 N/A	1284	1145	805 ****	N/A N/A	
TIAA-CREF LARGE-CAP GROWTH INDEX FUND (TILIX) Gross Expense Ratio	\$4,736.50	6	15.66%	11.21%	13.25%	9.05%	2.62%	6.13%	14.25%	20.23%	11.86%	15.91%	8.70%	10.10%	10/1/2002
BM: Russell 1000 Growth Index			15.76%	11.27%	13.32%	9.13%	2.60%	6.16%	14.30%	20.27%	11.92%	15.98%	8.77%	10.20%	
Fund vs.Russell 1000 Growth Index PG: Large Growth M'star Category			-10 14.85%	-6 8.53%	-7 11.55%	-8 7.71%	2 N/A	-3 N/A	-5 N/A	-4 18.19%	-6 9.67%	-7 14.45%	-7 7.41%	-10 N/A	
Fund vs. Large Growth M'star Category			81	268	170	134	N/A	N/A	N/A	204	219	146	129	N/A	
PG: Fund % Rank in Large Growth M'star Category			38%	10%	16%	15%	N/A	N/A	N/A	26%	18%	22%	20%	N/A	
PG: # of funds in Large Growth M'star Category Fund Star Rating			1454 N/A	1306	1154	800 ***	N/A N/A	N/A N/A	N/A N/A	1426 N/A	1284	1145	805 ****	N/A N/A	
·															
TIAA-CREF LARGE-CAP VALUE FUND (TRLIX) Gross Expense Ratio	\$6,487.70	41	22.06%	8.06%	12.72%	5.86%	-0.64%	-1.86%	2.43%	15.38%	7.05%	14.09%	4.86%	9.69%	10/1/2002
BM: Russell 1000 Value Index		41	19.22%	8.67%	13.13%	5.93%	-0.10%	-1.30%	2.97%	14.66%	7.70%	14.67%	5.15%	9.44%	
Fund vs.Russell 1000 Value Index			284	-61	-41	-7	-54	-56	-54	72	-65	-58	-29	25	
PG: Large Value M'star Category Fund vs. Large Value M'star Category			17.44% 462	7.32% 74	11.47% 125	5.59% 27	N/A N/A	N/A N/A	N/A N/A	14.75% 63	6.65% 40	13.24% 85	4.82% 4	N/A N/A	
PG: Fund % Rank in Large Value M'star Category			12%	34%	19%	45%	N/A	N/A	N/A	38%	43%	28%	49%	N/A	
PG: # of funds in Large Value M'star Category			1258	1084	936	679	N/A	N/A	N/A	1244	1082	935	677	N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF LARGE-CAP VALUE INDEX FUND (TILVX)	\$6,379.70	6	19.12%	8.62%	13.04%	5.88%	-0.05%	-1.28%	3.00%	14.60%	7.66%	14.58%	5.10%	9.35%	10/1/2002
Gross Expense Ratio BM: Russell 1000 Value Index		6	19.22%	8.67%	13.13%	5.93%	-0.10%	-1.30%	2.97%	14.66%	7.70%	14.67%	5.15%	9.44%	
Fund vs.Russell 1000 Value Index			-10	-5	-9	-5	5	2	3	-6	-4	-9	-5	-9	
PG: Large Value M'star Category			17.44%	7.32%	11.47%	5.59%	N/A	N/A	N/A	14.75%	6.65%	13.24%	4.82%	N/A	
Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category			168 30%	130 21%	157 13%	29 44%	N/A N/A	N/A N/A	N/A N/A	-15 50%	101 28%	134 17%	28 43%	N/A N/A	
PG: # of funds in Large Value M'star Category			1258	1084	936	679	N/A	N/A	N/A	1244	1082	935	677	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	

INVESTMENT PERFORMANCE SUMMARY TIAA-CREF FUNDS INSTITUTIONAL SHARE CLASS

	_	_	l p	revious Qua	arter-End Re	turns		_	_	Current Mo	nth-End Retu	urns	_	_	
				Av	/g. Annual R	eturns						Avg. An	nual Returns		
	Total Portfolio Net	Exp.	1 Year 04/01/16	3 Year 04/01/14	5 Year 04/01/12	10 Year 04/01/07	1 Month 05/01/17	3 Month 03/01/17	YTD 01/01/17	1 Year 06/01/16	3 Year 06/01/14	5 Year 06/01/12	10 Year 06/01/07	Since Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]		03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF MID-CAP GROWTH FUND (TRPWX) Gross Expense Ratio	\$1,554.70	47	14.73%	5.23%	10.17%	7.62%	2.73%	5.67%	12.82%	16.04%	7.22%	12.78%	7.21%	11.37%	10/1/2002
BM: Russell Mid Cap Growth Index			14.07%	7.88%	11.95%	8.13%	2.39%	4.48%	11.07%	16.68%	8.83%	14.55%	7.65%	11.83%	
Fund vs.Russell Mid Cap Growth Index			66 15.58%	-265 6.06%	-178 10.30%	-51 7.12%	34 N/A	119 N/A	175 N/A	-64 16.48%	-161 7.86%	-177 12.97%	-44 6.62%	-46 N/A	
PG: Mid-Cap Growth M'star Category Fund vs. Mid-Cap Growth M'star Category			-85	-83	-13	50	N/A	N/A	N/A	-44	-64	-19	59	N/A	
PG: Fund % Rank in Mid-Cap Growth M'star Category			57%	66%	51%	39%	N/A	N/A	N/A	54%	61%	52%	38%	N/A	
PG: # of funds in Mid-Cap Growth M'star Category			635 N/A	580 ***	500 ***	368 ***	N/A N/A	N/A	N/A	633	581	504 ***	373 ***	N/A	
Fund Star Rating			IN/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF MID-CAP VALUE FUND (TIMVX)	\$5,159.30	41	18.66%	7.58%	12.31%	6.92%	0.21%	-0.46%	3.35%	14.24%	6.85%	13.74%	6.11%	12.01%	10/1/2002
Gross Expense Ratio		41	40.000/	0.040/	44.070/	7 470/	0.240/	0.050/	2 620/	45.070/	0.450/	45 620/	C 770/	44 000/	
BM: Russell Mid Cap Value Index Fund vs.Russell Mid Cap Value Index			19.82% -116	8.94% -136	14.07% -176	7.47% -55	-0.31% 52	-0.85% 39	3.63% -28	15.27% -103	8.15% -130	15.63% -189	6.77% -66	11.89% 12	
PG: Mid-Cap Value M'star Category			18.86%	7.04%	12.02%	6.68%	N/A	N/A	N/A	14.61%	6.41%	13.75%	5.81%	N/A	
Fund vs. Mid-Cap Value M'star Category PG: Fund % Rank in Mid-Cap Value M'star Category			-20 55%	54 42%	29 45%	24 39%	N/A N/A	N/A N/A	N/A N/A	-37 51%	44 45%	-1 58%	30 38%	N/A N/A	
PG: # of funds in Mid-Cap Value M'star Category			398	341	301	212	N/A	N/A	N/A	404	356	309	216	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA.CDEE DEAL ESTATE SECUDITIES CHAID (TIRES)	\$2,092.50	51	2.82%	10.046/	9.34%	4.22%	0.78%	0.74%	4.69%	5.25%	8.73%	10.14%	4.44%	10.64%	10/1/2002
TIAA-CREF REAL ESTATE SECURITIES FUND (TIREX) Gross Expense Ratio	φ ∠, υθ ∠. 50	51	2.02%	10.01%	3.34%	4.2270	0.10%	0.71%	4.03%	5.25%	0./3%	10.14%	4.44%	10.04%	10/1/2002
BM: FTSE NAREIT All Equity REITs Index			5.25%	10.56%	10.32%	4.97%	-0.13%	-1.27%	2.86%	5.09%	8.54%	10.80%	5.00%	11.03%	
Fund vs.FTSE NAREIT All Equity REITs Index			-243	-55	-98	-75 4 04%	91 N/A	198 N/A	183 N/A	16	19	-66 0.17%	-56 2.00%	-39 N/A	
PG: Real Estate M'star Category Fund vs. Real Estate M'star Category			3.08% -26	9.01% 100	8.82% 52	4.04% 18	N/A N/A	N/A N/A	N/A N/A	3.17% 208	6.97% 176	9.17% 97	3.99% 45	N/A N/A	
PG: Fund % Rank in Real Estate M'star Category			35%	17%	26%	45%	N/A	N/A	N/A	14%	7%	13%	36%	N/A	
PG: # of funds in Real Estate M'star Category			262	234	205	137	N/A	N/A	N/A	260	232	203	142	N/A	
Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF S&P 500 INDEX FUND (TISPX)	\$4,204.60	5	17.08%	10.30%	13.23%	7.45%	1.39%	2.51%	8.61%	17.37%	10.06%	15.33%	6.88%	9.53%	10/1/2002
Gross Expense Ratio		5	47 470/	40.070/	40.000/	7.540/		0.570/	0.000/	47 470/	40.440/	45.400/	0.040/	0.000/	
BM: S&P 500 Index Fund vs.S&P 500 Index			17.17% -9	10.37% -7	13.30% -7	7.51% -6	1.41% -2	2.57% -6	8.66% -5	17.47% -10	10.14% -8	15.42% -9	6.94% -6	9.62% -9	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star Category			111	216	149	93	N/A	N/A	N/A	132	198	134	90	N/A	
PG: Fund % Rank in Large Blend M'star Category PG: # of funds in Large Blend M'star Category			35% 1404	8% 1248	12% 1113	20% 822	N/A N/A	N/A N/A	N/A N/A	33% 1383	11% 1222	16% 1081	22% 798	N/A N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
		_													
TIAA-CREF SMALL-CAP BLEND INDEX FUND (TISBX) Gross Expense Ratio	\$2,222.20	6	26.41%	7.48%	12.61%	7.26%	-2.01%	-0.80%	1.53%	20.49%	8.25%	14.28%	6.54%	10.89%	10/1/2002
BM: Russell 2000 Index		-	26.22%	7.22%	12.35%	7.12%	-2.03%	-0.83%	1.48%	20.36%	8.00%	14.04%	6.40%	10.85%	
Fund vs.Russell 2000 Index			19	26	26	14	2	3	5	13	25	24	14	4	
PG: Small Blend M'star Category Fund vs. Small Blend M'star Category			22.08% 433	5.98% 150	11.30% 131	6.60% 66	N/A N/A	N/A N/A	N/A N/A	17.56% 293	6.32% 193	12.99% 129	5.73% 81	N/A N/A	
PG: Fund % Rank in Small Blend M'star Category			13%	32%	32%	33%	N/A	N/A	N/A	18%	24%	33%	31%	N/A	
PG: # of funds in Small Blend M'star Category			757	625	537	377	N/A	N/A	N/A	773	645	545	389	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	****	***	***	N/A	
TIAA-CREF SMALL-CAP EQUITY FUND (TISEX)	\$3,346.40	42	26.80%	9.20%	13.34%	7.34%	-2.35%	-2.10%	1.14%	21.57%	9.37%	15.05%	6.52%	11.03%	10/1/2002
Gross Expense Ratio		42													
BM: Russell 2000 Index Fund vs.Russell 2000 Index			26.22%	7.22% 198	12.35% 99	7.12% 22	-2.03% -32	-0.83% -127	1.48% -34	20.36% 121	8.00% 137	14.04% 101	6.40% 12	10.85% 18	
PG: Small Growth M'star Category			22.41%	5.34%	10.73%	7.31%	N/A	N/A	N/A	19.89%	7.79%	13.08%	6.76%	N/A	
Fund vs. Small Growth M'star Category			439	386	261	3	N/A	N/A	N/A	168	158	197	-24	N/A	
PG: Fund % Rank in Small Growth M'star Category PG: # of funds in Small Growth M'star Category			16% 670	11% 599	9% 527	53% 386	N/A N/A	N/A N/A	N/A N/A	28% 674	30% 603	14% 533	60% 396	N/A N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF SMALL/MID-CAP EQUITY (TSMWX) ^[4] Gross Expense Ratio	\$593.70	51	N/A	N/A	N/A	N/A	-1.42%	-0.36%	3.35%	N/A	N/A	N/A	N/A	11.33%	8/5/2016
BM: Russell 2500 Index		-					-1.12%	-0.43%	3.39%					10.72%	
Fund vs.Russell 2500 Index							-30	7	-4					61	
PG: Small Blend M'star Category Fund vs. Small Blend M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
PG: Fund % Rank in Small Blend M'star Category							N/A	N/A	N/A					N/A	
PG: # of funds in Small Blend M'star Category							N/A	N/A	N/A					N/A	
Fund Star Rating							N/A	N/A	N/A					N/A	
TIAA-CREF SOCIAL CHOICE EQUITY FUND (TISCX)	\$2,591.80	19	17.32%	8.36%	12.23%	7.16%	1.37%	2.65%	7.94%	17.67%	8.35%	14.55%	6.68%	5.37%	7/1/1999
Gross Expense Ratio		19													
BM: Russell 3000 Index Fund vs.Russell 3000 Index			18.07% -75	9.76% -140	13.18% -95	7.54% -38	1.02% 35	2.16% 49	7.96% -2	17.69% -2	9.68% -133	15.26% -71	6.96% -28	5.64% -27	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star Category			135	22	49	64	N/A	N/A	N/A	162	27	56	70	N/A	
PG: Fund % Rank in Large Blend M'star Category PG: # of funds in Large Blend M'star Category			29% 1404	54% 1248	47% 1113	32% 822	N/A N/A	N/A N/A	N/A N/A	25% 1383	52% 1222	46% 1081	29% 798	N/A N/A	
Fund Star Rating			1404 N/A	1248 ***	***	***	N/A N/A	N/A N/A	N/A N/A	1383 N/A	***	***	/98 ***	N/A N/A	
•															
TIAA-CREF SOCIAL CHOICE LOW CARBON EQUITY FUND (TNWCX) Gross Expense Ratio	\$72.00	32 65	17.51%	N/A	N/A	N/A	1.31%	2.56%	8.31%	17.54%	N/A	N/A	N/A	10.60%	8/7/2015
BM: Russell 3000 Index		-	18.07%				1.02%	2.16%	7.96%	17.69%				10.33%	
Fund vs.Russell 3000 Index			-56				29	40	35	-15				27	
PG: Large Blend M'star Category			15.97% 154				N/A N/A	N/A	N/A	16.05%				N/A N/A	
Fund vs. Large Blend M'star Category PG: Fund % Rank in Large Blend M'star Category			26%				N/A N/A	N/A N/A	N/A N/A	149 28%				N/A N/A	
PG: # of funds in Large Blend M'star Category			1404				N/A	N/A	N/A	1383				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	

INVESTMENT PERFORMANCE SUMMARY TIAA-CREF FUNDS INSTITUTIONAL SHARE CLASS

		_		Previous Qu	arter-End Re	eturns		_	_	Current Mo	nth-End Retu	ırns	_	_	
			1 Year		vg. Annual F 5 Year		1 Month	3 Month	YTD	1 Year	3 Year	Avg. An	nual Return 10 Year	s Since	_
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio (bps) [2]	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND Clabel Facilities	05/31/17	(pbs)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Global Equities															
TIAA-CREF GLOBAL NATURAL RESOURCES FUND (TNRIX) Gross Expense Ratio	\$39.70	75 78	26.38%	-3.71%	-2.66%	N/A	-4.33%	-9.83%	-11.32%	8.21%	-7.18%	-1.69%	N/A	-3.00%	11/1/2011
BM: MSCI AC World Index Commodity Producers Sec. Cap. Index			24.49%	-4.13%	-2.78%		-1.00%	-1.90%	0.97%	16.45%	-5.49%	-0.19%		-2.00%	
Fund vs.MSCI AC World Index Commodity Producers Sec. Cap. Index PG: Natural Resources M'star Category			189 20.83%	42 -4.60%	12 -0.79%		-333 N/A	-793 N/A	-1229 N/A	-824 9.50%	-169 -6.77%	-150 1.23%		-100 N/A	
Fund vs. Natural Resources M'star Category			555	89	-0.7976		N/A	N/A	N/A	-129	-41	-292		N/A	
PG: Fund % Rank in Natural Resources M'star Category			13%	43%	51%		N/A	N/A	N/A	52%	44%	59%		N/A	
PG: # of funds in Natural Resources M'star Category Fund Star Rating			138 N/A	130 ***	115 ***		N/A N/A	N/A N/A	N/A N/A	140 N/A	130 ***	115 ***		N/A N/A	
•															
International Equities															
TIAA-CREF EMERGING MARKETS EQUITY FUND (TEMLX)	\$1,226.80	94	21.77%	0.33%	0.87%	N/A	1.91%	11.47%	23.81%	31.19%	1.27%	4.85%	N/A	2.57%	8/31/2010
Gross Expense Ratio BM: MS Emerging Market		94	17.22%	1.18%	0.81%		2.96%	7.87%	17.25%	27.41%	1.62%	4.54%		2.93%	
Fund vs.MS Emerging Market			455	-85	6		-105	360	656	378	-35	31		-36	
PG: Diversified Emerging Mkts M'star Category			16.40%	0.71%	1.20%		N/A	N/A	N/A	23.72%	0.99%	4.68%		N/A	
Fund vs. Diversified Emerging Mkts M'star Category PG: Fund % Rank in Diversified Emerging Mkts M'star Category			537 14%	-38 63%	-33 56%		N/A N/A	N/A N/A	N/A N/A	747 8%	28 49%	17 43%		N/A N/A	
PG: # of funds in Diversified Emerging Mkts M'star Category			811	629	429		N/A	N/A	N/A	820	634	441		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF EMERGING MARKETS EQUITY INDEX FUND (TEQLX)	\$2,018.60	23	17.48%	1.17%	0.65%	N/A	3.04%	8.14%	17.85%	27.45%	1.59%	4.37%	N/A	2.54%	8/31/2010
Gross Expense Ratio		23	17 0001	1 400'	0.0401		2 000/	7 070/	17.050	07 4404	1 600/	A E 40/		2 020/	
BM: MS Emerging Market Fund vs.MS Emerging Market			17.22% 26	1.18% -1	0.81% -16		2.96% 8	7.87% 27	17.25% 60	27.41% 4	1.62% -3	4.54% -17		2.93% -39	
PG: Diversified Emerging Mkts M'star Category			16.40%	0.71%	1.20%		N/A	N/A	N/A	23.72%	0.99%	4.68%		N/A	
Fund vs. Diversified Emerging Mkts M'star Category PG: Fund % Rank in Diversified Emerging Mkts M'star Category			108 45%	46 47%	-55 60%		N/A N/A	N/A N/A	N/A N/A	373 26%	60 42%	-31 56%		N/A N/A	
PG: # of funds in Diversified Emerging Mkts M'star Category			811	629	429		N/A	N/A	N/A	820	634	441		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF ENHANCED INTERNATIONAL EQUITY INDEX FUND (TFIIX)	\$1,739.80	41	10.73%	0.41%	6.47%	N/A	4.30%	10.86%	14.96%	16.10%	1.69%	10.79%	N/A	0.98%	11/30/2007
Gross Expense Ratio		41													
BM: Morgan Stanley EAFE Index Fund vs.Morgan Stanley EAFE Index			11.67% -94	0.50% -9	5.83% 64		3.67% 63	9.23% 163	14.01% 95	16.44% -34	1.53% 16	10.21% 58		0.82% 16	
PG: Foreign Large Blend M'star Category			10.88%	0.40%	5.02%		N/A	N/A	N/A	15.99%	1.55%	9.04%		N/A	
Fund vs. Foreign Large Blend M'star Category			-15	1	145		N/A	N/A	N/A	11	14	175		N/A	
PG: Fund % Rank in Foreign Large Blend M'star Category PG: # of funds in Foreign Large Blend M'star Category			51% 735	52% 586	14% 525		N/A N/A	N/A N/A	N/A N/A	47% 734	46% 592	12% 528		N/A N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF INTERNATIONAL EQUITY FUND (TIIEX)	\$4,699.60	49	10.59%	-1.06%	6.44%	0.97%	2.80%	14.98%	18.46%	17.13%	1.84%	11.54%	1.19%	5.09%	7/1/1999
Gross Expense Ratio		49													
BM: Morgan Stanley EAFE Index Fund vs.Morgan Stanley EAFE Index			11.67% -108	0.50% -156	5.83% 61	1.05% -8	3.67% -87	9.23% 575	14.01% 445	16.44% 69	1.53% 31	10.21% 133	1.06% 13	4.05% 104	
PG: Foreign Large Growth M'star Category			8.60%	1.07%	5.49%	1.90%	N/A	N/A	N/A	15.29%	3.05%	9.65%	1.93%	N/A	
Fund vs. Foreign Large Growth M'star Category			199	-213	95	-93	N/A	N/A	N/A	184	-121	189	-74	N/A	
PG: Fund % Rank in Foreign Large Growth M'star Category PG: # of funds in Foreign Large Growth M'star Category			28% 400	86% 324	28% 276	77% 191	N/A N/A	N/A N/A	N/A N/A	33% 400	72% 323	12% 272	71% 193	N/A N/A	
Fund Star Rating			N/A	*	***	*	N/A	N/A	N/A	N/A	**	***	**	N/A	
TIAA-CREF INTERNATIONAL EQUITY INDEX FUND (TCIEX)	\$10,188.80	6	12.18%	0.63%	5.97%	1.20%	3.60%	9.65%	14.62%	16.86%	1.64%	10.31%	1.21%	8.11%	10/1/2002
Gross Expense Ratio	\$10,100.00	6	12.1070	0.0376	0.01 /6	1.20 /6	3.00 /6	3.0376	14.02/0	10.0076	1.0470	10.0176	1.21/0	0.1176	10/1/2002
BM: Morgan Stanley EAFE Index Fund vs.Morgan Stanley EAFE Index			11.67% 51	0.50% 13	5.83% 14	1.05% 15	3.67% -7	9.23% 42	14.01% 61	16.44% 42	1.53% 11	10.21% 10	1.06%	8.07% 4	
PG: Foreign Large Blend M'star Category			10.88%	0.40%	5.02%	0.96%	N/A	N/A	N/A	15.99%	1.55%	9.04%	15 0.99%	N/A	
Fund vs. Foreign Large Blend M'star Category			130	23	95	24	N/A	N/A	N/A	87	9	127	22	N/A	
PG: Fund % Rank in Foreign Large Blend M'star Category PG: # of funds in Foreign Large Blend M'star Category			32% 735	45% 586	24% 525	36% 327	N/A N/A	N/A N/A	N/A N/A	35% 734	47% 592	20% 528	36% 339	N/A N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
TIAA-CREF INTERNATIONAL OPPORTUNITIES FUND (TIOIX)	\$4 245 40	62	10 000/	0.470/	N/A	N/A	2 260/	40.059/	47 000/	47 409/	2 400/	N/A	N/A	4.049/	4/49/9949
Gross Expense Ratio	\$1,345.40	63	10.99%	0.47%	N/A	N/A	3.26%	10.05%	17.08%	17.19%	3.18%	N/A	N/A	4.91%	4/12/2013
BM: MSCI AC World Index ex USA			13.13%	0.56%			3.24%	8.13%	13.74%	18.24%	1.26%			4.29%	
Fund vs.MSCI AC World Index ex USA PG: Foreign Large Growth M'star Category			-214 8.60%	-9 1.07%			2 N/A	192 N/A	334 N/A	-105 15.29%	192 3.05%			62 N/A	
Fund vs. Foreign Large Growth M'star Category			239	-60			N/A	N/A	N/A	190	13			N/A	
PG: Fund % Rank in Foreign Large Growth M'star Category			25%	61%			N/A	N/A	N/A	32%	42%			N/A	
PG: # of funds in Foreign Large Growth M'star Category Fund Star Rating			400 N/A	324 ***			N/A N/A	N/A N/A	N/A N/A	400 N/A	323 ***			N/A N/A	
TIAA-CREF INTERNATIONAL SMALL-CAP EQUITY FUND (TIISX) ^{6]} Gross Expense Ratio	\$870.70	72	N/A	N/A	N/A	N/A	3.57%	9.24%	17.19%	N/A	N/A	N/A	N/A	16.02%	12/9/2016
BM: MSCI ACWI ex-US Small Cap Index		-					2.71%	7.99%	15.08%					15.78%	
Fund vs.MSCI ACWI ex-US Small Cap Index							86	125	211					24	
PG: Foreign Small/Mid Blend M'star Category Fund vs. Foreign Small/Mid Blend M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
PG: Fund % Rank in Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
PG: # of funds in Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
Fund Star Rating			I				N/A	N/A	N/A					N/A	

INVESTMENT PERFORMANCE SUMMARY TIAA-CREF FUNDS INSTITUTIONAL SHARE CLASS

Total Portfolio Net Exp. Assets (in SMil.) Ratio Display Class C	Since Inception to 05/31/17 4.38% 3.59% 79 N/A	Inc. Date 8/7/2015
Assets (in SMil.) Ratio (bps) II II II II II II II	to 05/31/17 4.38% 3.59% 79	Date
FUND Company Company	05/31/17 4.38% 3.59% 79	Date
TIAA-CREF SOCIAL CHOICE INTERNATIONAL EQUITY FUND (TSONX) \$35.50 40 11.83% N/A N/A N/A N/A 2.95% 9.52% 14.18% 15.34% N/A	4.38% 3.59% 79	
Gross Expense Ratio 135 BM: Morgan Stanley EAFE Index 11.67% 3.67% 9.23% 14.01% 16.44% Fund vs. Morgan Stanley EAFE Index 16 -72 29 17 -110 PG: Foreign Large Blend M'star Category 10.88% N/A N/A N/A 15.99% Fund vs. Foreign Large Blend M'star Category 95 N/A N/A N/A -65 PG: Fund's Rank in Foreign Large Blend M'star Category 37% N/A N/A N/A 59% PG: # of funds in Foreign Large Blend M'star Category 735 N/A N/A N/A 734	3.59% 79	8/7/2015
BM: Morgan Stanley EAFE Index 11.67% 3.67% 9.23% 14.01% 16.44% Fund vs. Morgan Stanley EAFE Index 16 -72 29 17 -110 PG: Foreign Large Blend M'star Category 10.88% N/A N/A N/A 15.99% Fund vs. Foreign Large Blend M'star Category 95 N/A N/A N/A -65 PG: Fund's Rank in Foreign Large Blend M'star Category 37% N/A N/A N/A 59% PG: # of funds in Foreign Large Blend M'star Category 735 N/A N/A N/A 734	79	
Fund vs. Morgan Stanley EAFE Index 16 -72 29 17 -110 PG: Foreign Large Blend M'star Category 10.88% NIA NIA NIA 15.99% Fund vs. Foreign Large Blend M'star Category 95 NIA NIA NIA 65 PG: Fund's Rank in Foreign Large Blend M'star Category 37% NIA NIA NIA 59% PG: # of funds in Foreign Large Blend M'star Category 735 NIA NIA NIA 734	79	
PG: Foreign Large Blend M*star Category 10.88% N/A N/A N/A 15.99% Fund vs. Foreign Large Blend M*star Category 95 N/A N/A N/A -65 PG: Fund % Rank in Foreign Large Blend M*star Category 37% N/A N/A N/A 59% PG: # of funds in Foreign Large Blend M*star Category 735 N/A N/A N/A 734		
PG: Fund % Rank in Foreign Large Blend M'star Category 37% N/A N/A N/A 59% PG: # of funds in Foreign Large Blend M'star Category 735 N/A N/A N/A 734	14074	
PG: # of funds in Foreign Large Blend M'star Category 735 N/A N/A N/A 734	N/A	
	N/A	
	N/A N/A	
Fixed Income TIAA-CREF BOND FUND (TIBDX) \$4,120.80 31 2.29% 3.30% 3.31% 4.59% 0.81% 1.67% 2.93% 3.06% 3.16% 3.38% 4.79%	5.29%	7/1/1999
Gross Expense Ratio 31 31	3.2376	11111333
BM: Bloomberg Barclays U.S. Aggregate Bond Index 0.44% 2.68% 2.34% 4.27% 0.77% 1.49% 2.38% 1.58% 2.53% 2.24% 4.46%	5.12%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index 185 62 97 32 4 18 55 148 63 114 33 PG: Intermediate-Term Bond Mistar Category 1.74% 2.41% 2.52% 4.06% N/A N/A N/A N/A 2.59% 2.28% 2.52% 4.26%	17 N/A	
For intelligence retirm borrow san category 1.74% 2-11% 2-20% N/A N/A N/A N/A 47 88 86 53	N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category 32% 10% 16% 30% N/A N/A N/A 32% 8% 15% 29%	N/A	
PG: # of funds in Intermediate-Term Bond M'star Category 972 851 750 538 N/A N/A N/A 978 856 757 539	N/A	
Fund Star Rating	N/A	
TIAA-CREF BOND INDEX FUND (TBIIX) \$7,963.60 12 0.15% 2.60% 2.17% NIA 0.66% 1.35% 2.31% 1.29% 2.39% 2.07% NIA Gross Expense Ratio 12	3.50%	9/14/2009
BM: Bloomberg Barclays U.S. Aggregate Bond Index 0.44% 2.68% 2.34% 0.77% 1.49% 2.38% 1.58% 2.53% 2.24%	3.71%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index -29 -8 -17 -11 -14 -7 -29 -14 -17	-21	
PG: Intermediate-Term Bond M'star Category 1.74% 2.41% 2.52% N/A N/A N/A 2.59% 2.28% 2.52% Fund vs. Intermediate-Term Bond M'star Category -159 19 -35 N/A N/A N/A -130 11 -45	N/A N/A	
FG: Fund's Rank in Intermediate-Term Bond Mistar Category	N/A	
PG: # of funds in Intermediate-Term Bond M*star Category 972 851 750 N/A N/A N/A 978 856 757	N/A	
Fund Star Rating	N/A	
TIAA-CREF BOND PLUS FUND (TIBFX) \$3,672.10 31 3.02% 3.40% 3.60% 4.62% 0.72% 1.70% 3.10% 3.65% 3.29% 3.65% 4.82%	4.86%	3/31/2006
Gross Expense Ratio 31 BM: Bloomberg Barclays U.S. Aggregate Bond Index 0.44% 2.68% 2.34% 4.27% 0.77% 1.49% 2.38% 1.58% 2.53% 2.24% 4.46%	4.56%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index 258 72 126 35 -5 21 72 207 76 141 36	30	
PG: Intermediate-Term Bond M'star Category 1.74% 2.41% 2.52% 4.06% N/A N/A N/A 2.59% 2.28% 2.52% 4.26%	N/A	
Fund vs. Intermediate-Term Bond M'star Category 128 99 108 56 N/A N/A N/A 106 101 113 56	N/A	
PG: Fund % Rank in Intermediate-Term Bond M*star Category 19% 7% 9% 28% N/A N/A N/A 19% 6% 8% 28% PG: # of funds in Intermediate-Term Bond M*star Category 972 851 750 538 N/A N/A N/A 978 856 757 539	N/A N/A	
Found Star Rating N/A **** **** **** N/A N/A N/A N/A **** ****	N/A	
TIAA-CREF EMERGING MARKETS DEBT FUND (TEDNX) \$319.00 65 13.72% N/A N/A N/A N/A 0.98% 3.58% 8.09% 14.20% N/A N/A N/A N/A	5.86%	9/26/2014
Gross Expense Ratio 68		3/20/2014
BM: JPMorgan EMBI Global Diversified Index 8.92% 0.88% 2.77% 6.34% 9.77% Fund vs. JPMorgan EMBI Global Diversified Index 480 10 81 175 443	6.08%	
FG: Emerging Markets Bond Mrstar Category 10.20% N/A N/A N/A 10.89%	N/A	
Fund vs. Emerging Markets Bond Mistar Category 352 N/A N/A N/A 331	N/A	
PG: Fund % Rank in Emerging Markets Bond M'star Category 14% NIA NIA NIA NIA 13%	N/A	
PG: # of funds in Emerging Markets Bond Mistar Category 278 N/A N/A N/A 282 Fund Star Rating N/A N/A N/A N/A N/A N/A N/A	N/A N/A	
		0.04.0000
TIAA-CREF HIGH YIELD FUND (TIHYX) \$3,700.60 36 15.24% 4.28% 6.32% 7.08% 0.63% 1.31% 3.49% 12.72% 4.37% 6.73% 7.08% Gross Expense Ratio 36	7.36%	3/31/2006
BM: BofA ML BB-B Cash Pay Issuer Constrained Index (New) 13.78% 4.65% 6.60% 6.92% 0.82% 1.90% 4.38% 11.97% 4.78% 7.03% 6.95%	7.25%	
Fund vs.BofA ML BB-B Cash Pay Issuer Constrained Index (New) 146 -37 -28 16 -19 -59 -89 75 -41 -30 13 PG: High Yield Bond M'star Category 13.52% 3.15% 5.56% 5.86% N/A N/A N/A N/A 11.53% 3.27% 6.09% 5.85%	11 N/A	
Fund vs. High Yield Bond Mistar Category 172 113 76 122 N/A N/A N/A 119 110 64 123	N/A	
PG: Fund % Rank in High Yield Bond M'star Category 31% 17% 21% 9% N/A N/A N/A 32% 19% 25% 10%	N/A	
PG:# of funds in High Yield Bond M'star Category 697 596 471 318 N/A N/A N/A N/A 686 591 468 317 Fund Star Rating N/A **** **** ***** N/A N/A N/A N/A **** ****	N/A	
	N/A	
TIAA-CREF INFLATION-LINKED BOND FUND (TIILX) ⁷¹ \$2,585.00 27 1.12% 1.48% 0.56% 3.83% 0.00% 0.44% 1.32% 1.82% 0.49% -0.09% 3.94% Gross Expense Ratio 27	4.18%	10/1/2002
	3.92%	
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1.45% 1.46% 0.62% 3.59% -0.05% 0.46% 1.45% 2.17% 0.71% 0.37% 3.66%	26	
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1.45% 1.46% 0.62% 3.59% -0.05% 0.46% 1.45% 2.17% 0.71% 0.37% 3.66% Fund vs.Bloomberg Barclays US TIPS 1-10 Year Index -33 2 -6 24 5 -2 -13 -35 -22 -46 28	N/A	
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1.45% 1.46% 0.62% 3.59% -0.05% 0.46% 1.45% 2.17% 0.71% 0.37% 3.66% Fund vs. Bloomberg Barclays US TIPS 1-10 Year Index -33 2 -6 24 5 -2 -13 -35 -22 -46 28 PG: Inflation-Protected Bond M'star Category 2.13% 1.17% 0.40% 3.30% N/A N/A N/A 0.46% 0.37% 0.08% 3.42%	N/A	
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1.45% 1.46% 0.62% 3.59% -0.05% 0.46% 1.45% 2.17% 0.71% 0.37% 3.66% Fund vs. Bloomberg Barclays US TIPS 1-10 Year Index -33 2 -6 24 5 -2 -13 -35 -22 -46 28 PG: Inflation-Protected Bond M'star Category 2.13% 1.17% 0.40% 3.30% N/A N/A N/A 0.37% -0.08% 3.42%	N/A N/A	
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1.45% 1.46% 0.62% 3.59% -0.05% 0.46% 1.45% 2.17% 0.71% 0.37% 3.66% Fund vs. Bloomberg Barclays US TIPS 1-10 Year Index -33 2 -6 24 5 -2 -13 -35 -22 -46 28 PG: Inflation-Protected Bond M*star Category -101 31 1.6 53 N/A N/A N/A 0.68% 0.37% 0.08% 3.24% PG: Fund vs. Inflation-Protected Bond M*star Category -101 31 1.6 53 N/A N/A N/A 0.4 8.6 12 -1 52 PG: Fund vs. Inflation-Protected Bond M*star Category -101 31 0.5 32% N/A N/A N/A 0.4 N/A 0.4 0.5 42% 42% 51% 32% PG: # of funds in Inflation-Protected Bond M*star Category -105 1.65 1.08 N/A N/A N/A 0.4 3.25 2.02 1.72 1.12	N/A N/A	
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1,45% 1,46% 0,62% 3,59% -0.05% 0,46% 1,45% 2,17% 0,71% 0,37% 3,66% Fund vs. Bloomberg Barclays US TIPS 1-10 Year Index -33 2 -6 24 5 -2 -13 -35 -22 -46 28 PG: Inflation-Protected Bond M*star Category -101 31 16 53 N/A N/A N/A N/A -86 12 -1 52 PG: Fund 's. Ranki in Inflation-Protected Bond M*star Category -102 Fund 's. Inflation-Protected Bond M*star Category -103 105 165 108 N/A N/A N/A N/A N/A 235 202 172 112 Fund Star Rating -103 Star Rating -104 Star Rating -105 N/A *** *** *** N/A N/A N/A N/A N/A N/A *** *** *** ***	N/A N/A N/A	O (E /OO * O
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1.45% 1.46% 0.62% 3.59% -0.05% 0.46% 1.45% 2.17% 0.71% 0.37% 3.66% Fund vs. Bloomberg Barclays US TIPS 1-10 Year Index 3 2 -6 2 4 5 -2 -13 -35 -22 46 28 PG: Inflation-Protected Bond Mstar Category 2.13% 1.17% 0.40% 3.30% N/A N/A N/A N/A 0.46% 0.37% 0.05% 3.46% 1.45% 0.37% 0.05% 3.46% 1.45% 0.37% 0.05% 3.46% 1.45% 0.37% 0.05% 0.05% 0.37% 0.05	N/A N/A	8/5/2016
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1,45% 1,46% 0,62% 3,59% -0,05% 0,46% 1,45% 2,17% 0,71% 0,37% 3,66% 1,45%	N/A N/A N/A -0.06%	8/5/2016
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1,45% 1,46% 0,62% 3,59% -0,05% 0,46% 1,45% 2,17% 0,71% 0,37% 3,66% 1,45%	N/A N/A N/A -0.06% -0.59% 53	8/5/2016
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1,45% 1,46% 0,62% 3,59% -0.05% 0,46% 1,45% 2,17% 0,71% 0,37% 3,66% 1,45% Bloomberg Barclays US TIPS 1-10 Year Index -33 2 -6 24 5 -2 -13 -35 -22 -46 28 PG: Inflation-Protected Bond Mrstar Category 2,13% 1,17% 0,40% 3,30% N/A N/A N/A N/A N/A 2,66% 0,37% -0.08% 3,42% Fund vs. Inflation-Protected Bond Mrstar Category -101 31 16 53 N/A N/A N/A N/A N/A -86 12 -1 52 PG: Fund % Rank in Inflation-Protected Bond Mrstar Category -76% 30% 40% 32% N/A N/A N/A N/A N/A -86 12 -1 52 PG: # of funds in Inflation-Protected Bond Mrstar Category -76% 30% 40% 32% N/A N/A N/A N/A N/A -86 12 -1 52 PG: # of funds in Inflation-Protected Bond Mrstar Category -76% 30% 40% 32% N/A N/A N/A N/A N/A N/A -86 12 -1 52 PG: # of funds in Inflation-Protected Bond Mrstar Category -76% 30% 40% 32% N/A	N/A N/A N/A -0.06%	8/5/2016
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1,45% 1,46% 0,62% 3,59% -0.05% 0,46% 1,45% 2,17% 0,71% 0,37% 3,66% 1,45%	N/A N/A N/A -0.06% -0.59% 53 N/A	8/5/2016
BM: Bloomberg Barclays US TIPS 1-10 Year Index 1,45% 1,46% 0,62% 3,59% -0.05% 0,46% 1,45% 2,17% 0,71% 0,37% 3,66% 1,45% Bloomberg Barclays US TIPS 1-10 Year Index -33 2 -6 24 5 -2 -13 -35 -22 -46 28 PC: Inflation-Protected Bond M'star Category 2,13% 1,17% 0,40% 3,30% N/A N/A N/A N/A N/A 2,66% 0,37% 0,08% 3,46% 1,45% 0,47% 0,47% 1,45% 0,47%	N/A N/A N/A -0.06% -0.59% 53 N/A N/A	8/5/2016

INVESTMENT PERFORMANCE SUMMARY TIAA-CREF FUNDS INSTITUTIONAL SHARE CLASS

		_	F	revious Qua	arter-End Re	turns				Current Mo	nth-End Ret				
			1 Year	3 Year	rg. Annual R 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	Avg. An 5 Year	nual Returns 10 Year	Since	-
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	Inc. Date
FUND	05/31/1/	(bp3)	03/31/17	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	Date
TIAA-CREF SHORT-TERM BOND FUND (TISIX)	\$1,865.30	27	1.84%	1.40%	1.51%	2.81%	0.24%	0.66%	1.21%	2.03%	1.40%	1.53%	2.86%	3.05%	3/31/2006
Gross Expense Ratio BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index		27	0.71%	0.96%	0.93%	2.34%	0.17%	0.40%	0.76%	0.99%	0.95%	0.96%	2.35%	2.60%	
Fund vs.Bloomberg Barclays US 1-3 Yr Govt Credit Index			113	44	58	47	7	26	45	104	45	57	51	45	
PG: Short-Term Bond M'star Category			1.66%	1.06%	1.29%	2.41%	N/A	N/A	N/A	1.93%	1.11%	1.36%	2.49%	N/A	
Fund vs. Short-Term Bond M'star Category PG: Fund % Rank in Short-Term Bond M'star Category			18 34%	34 29%	22 36%	40 31%	N/A N/A	N/A N/A	N/A N/A	10 34%	29 30%	17 37%	37 33%	N/A N/A	
PG: # of funds in Short-Term Bond M'star Category			516	444	359	257	N/A	N/A	N/A	519	451	376	263	N/A	
Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF SHORT-TERM BOND INDEX FUND (TNSHX)	\$196.00	12	0.44%	N/A	N/A	N/A	0.10%	0.30%	0.69%	0.78%	N/A	N/A	N/A	0.88%	8/7/2015
Gross Expense Ratio		45													
BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index			0.71%				0.17%	0.40%	0.76%	0.99%				1.11%	
Fund vs.Bloomberg Barclays US 1-3 Yr Govt Credit Index PG: Short-Term Bond M'star Category			-27 1.66%				-7 N/A	-10 N/A	-7 N/A	-21 1.93%				-23 N/A	
Fund vs. Short-Term Bond M'star Category			-122				N/A	N/A	N/A	-115				N/A	
PG: Fund % Rank in Short-Term Bond M'star Category			80%				N/A	N/A	N/A	86%				N/A	
PG: # of funds in Short-Term Bond M'star Category Fund Star Rating			516 N/A				N/A N/A	N/A N/A	N/A N/A	519 N/A				N/A N/A	
Total Star Hading								1471							
TIAA-CREF SOCIAL CHOICE BOND FUND (TSBIX)	\$1,218.80	40	1.73%	3.81%	N/A	N/A	0.78%	1.62%	2.85%	2.65%	3.46%	N/A	N/A	3.37%	9/21/2012
Gross Expense Ratio BM: Bloomberg Barclays U.S. Aggregate Bond Index		41	0.44%	2.68%			0.77%	1.49%	2.38%	1.58%	2.53%			2.12%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			129	113			1	13	47	107	93			125	
PG: Intermediate-Term Bond M'star Category			1.74%	2.41%			N/A	N/A	N/A	2.59%	2.28%			N/A	
Fund vs. Intermediate-Term Bond M'star Category PG: Fund % Rank in Intermediate-Term Bond M'star Category			-1 44%	140 4%			N/A N/A	N/A N/A	N/A N/A	6 43%	118 5%			N/A N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851			N/A	N/A	N/A	978	856			N/A	
Fund Star Rating			N/A	****			N/A	N/A	N/A	N/A	****			N/A	
TIAA-CREF TAX-EXEMPT BOND FUND (TITIX)	\$286.10	35	-0.63%	2.71%	2.27%	3.79%	1.35%	2.52%	3.82%	0.69%	2.64%	2.24%	4.05%	4.08%	3/31/2006
Gross Expense Ratio	4200.10	36	0.0070	2	2.2.70	0.1070	110070	2.02 /0	0.0270	0.0070	2.0476	2.2-7,0	4.00%	4.0070	0.01,2000
BM: Bloomberg Barclays 10-Year Municipal Bond Index			-0.24%	3.60%	3.35%	4.81%	1.79%	3.10%	4.59%	1.68%	3.66%	3.45%	5.12%	5.07%	
Fund vs.Bloomberg Barclays 10-Year Municipal Bond Index PG: Muni National Interm M'star Category			-39 -0.31%	-89 2.71%	-108 2.57%	-102 3.48%	-44 N/A	-58 N/A	-77 N/A	-99 0.89%	-102 2.62%	-121 2.58%	-107 3.65%	-99 N/A	
Fund vs. Muni National Interm M'star Category			-32	0	-30	3.46 %	N/A	N/A	N/A	-20	2.02%	-34	40	N/A	
PG: Fund % Rank in Muni National Interm M'star Category			67%	47%	68%	30%	N/A	N/A	N/A	66%	46%	71%	25%	N/A	
PG: # of funds in Muni National Interm M'star Category Fund Star Rating			286 N/A	256	224	150	N/A N/A	N/A N/A	N/A N/A	291 N/A	264	227	154	N/A N/A	
rund Star Raung			IN/A	***	**	***	IN/A	N/A	N/A	N/A	***	**	***	N/A	
Multi-Asset															
TIAA-CREF LIFECYCLE 2010 FUND (TCTIX) ^[8]	\$1,224.00	37	8.80%	4.53%	6.32%	4.94%	1.06%	2.96%	6.20%	9.59%	4.72%	7.61%	4.81%	5.86%	10/15/2004
Gross Expense Ratio	V1,227.00	49	0.0070	4.00 /0	0.0270	4.0470	1.00%	2.0070	0.2070	0.00 /0	4.7270	7.0170	4.0176	0.0070	1/17/2007
BM: Lifecycle 2010 Fund Composite Index			7.43%	4.49%	6.04%	4.81%	1.03%	2.35%	5.29%	8.50%	4.40%	7.12%	4.65%	6.00%	
Fund vs.Lifecycle 2010 Fund Composite Index PG: Tarqet-Date 2000-2010 M'star Category			137 7.24%	4 3.60%	28 5.20%	13 3.87%	3 N/A	61 N/A	91 N/A	109 8.03%	32 3.56%	49 6.28%	16 3.69%	-14 N/A	
Fund vs. Target-Date 2000-2010 M'star Category			156	93	112	107	N/A	N/A	N/A	156	116	133	112	N/A	
PG: Fund % Rank in Target-Date 2000-2010 M'star Category			13%	5%	6%	3%	N/A	N/A	N/A	10%	2%	3%	1%	N/A	
PG: # of funds in Target-Date 2000-2010 M'star Category Fund Star Rating			112 N/A	87	69 ****	46 ****	N/A N/A	N/A N/A	N/A N/A	111 N/A	89 ****	69	48 ****	N/A N/A	
Turio otal realing			IVA				IVA	IVA	N/A	IVA				IVA	
TIAA-CREF LIFECYCLE 2015 FUND (TCNIX) ^[8]	\$1,926.30	38	9.67%	4.80%	6.83%	4.98%	1.22%	3.21%	6.75%	10.51%	5.06%	8.31%	4.80%	6.07%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2015 Fund Composite Index		50	8.22%	4.76%	6.59%	4.83%	1.11%	2.52%	5.71%	9.32%	4.71%	7.86%	4.62%	6.00%	1/17/2007
Fund vs.Lifecycle 2015 Fund Composite Index			145	4.70%	24	15	11	69	104	119	35	45	18	7	
PG: Target-Date 2015 M'star Category			8.01%	3.74%	5.80%	4.30%	N/A	N/A	N/A	8.84%	3.72%	7.09%	4.02%	N/A	
Fund vs. Target-Date 2015 M'star Category PG: Fund % Rank in Target-Date 2015 M'star Category			166 15%	106 8%	103 8%	68 10%	N/A N/A	N/A N/A	N/A N/A	167 12%	134 3%	122 6%	78 4%	N/A N/A	
PG: # of funds in Target-Date 2015 M'star Category PG: # of funds in Target-Date 2015 M'star Category			135	96	71	31	N/A	N/A N/A	N/A	135	99	71	33	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2020 FUND (TCWIX) ^[8]	\$3,554.50	40	10.66%	5.06%	7.45%	5.00%	1.29%	3.55%	7.47%	11 579/	5.42%	9.20%	4.80%	6 229/	10/15/2004
Gross Expense Ratio	\$3,004.5U	52	10.06%	5.00%	1.45%	5.00%	1.25%	3.55%	1.41%	11.57%	5.42%	9.20%	4.00%	6.23%	1/17/2007
BM: Lifecycle 2020 Fund Composite Index			9.36%	5.12%	7.29%	4.90%	1.20%	2.73%	6.28%	10.49%	5.10%	8.79%	4.65%	6.00%	
Fund vs.Lifecycle 2020 Fund Composite Index			130	-6	16	10	9	82	119	108	32	41	15	23	
PG: Target-Date 2020 M'star Category Fund vs. Target-Date 2020 M'star Category			8.54% 212	3.82% 124	5.72% 173	3.90% 110	N/A N/A	N/A N/A	N/A N/A	9.33% 224	3.86% 156	7.03% 217	3.65% 115	N/A N/A	
PG: Fund % Rank in Target-Date 2020 M'star Category			11%	7%	5%	8%	N/A	N/A	N/A	13%	2%	5%	8%	N/A	
PG: # of funds in Target-Date 2020 M'star Category			225	181	147	79	N/A	N/A	N/A	231	183	148	82	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2025 FUND (TCYIX) ^[8]	\$3,868.70	41	11.90%	5.36%	8.11%	5.03%	1.37%	3.82%	8.17%	12.89%	5.77%	10.11%	4.81%	6.41%	10/15/2004
Gross Expense Ratio		53													1/17/2007
BM: Lifecycle 2025 Fund Composite Index			10.65% 125	5.51% -15	8.02% 9	4.97% 6	1.30%	2.97% 85	6.92% 125	11.81% 108	5.53% 24	9.75% 36	4.69% 12	6.00% 41	
Fund vs.Lifecycle 2025 Fund Composite Index PG: Target-Date 2025 M'star Category			125	-15 4.31%	9 6.77%	6 4.36%	7 N/A	85 N/A	125 N/A	108 11.13%	24 4.46%	36 8.45%	12 4.07%	41 N/A	
Fund vs. Target-Date 2025 M'star Category			180	105	134	67	N/A	N/A	N/A	176	131	166	74	N/A	
PG: Fund % Rank in Target-Date 2025 M'star Category			13%	8%	9%	20%	N/A	N/A	N/A	15%	2%	7%	20%	N/A	
PG: # of funds in Target-Date 2025 M'star Category Fund Star Rating			199 N/A	154 ****	114	41 ****	N/A N/A	N/A N/A	N/A N/A	199 N/A	157 ****	115	46 ****	N/A N/A	
							1 "		-						

INVESTMENT PERFORMANCE SUMMARY TIAA-CREF FUNDS INSTITUTIONAL SHARE CLASS

				Previous Qu	arter-End Re	turns				Current Mo	nth-End Reti	urns			
			1 Year		vg. Annual R 5 Year		1 Month	3 Month	YTD	1 Year	3 Year		nual Return	s Since	_
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	Inc. Date							
			00/01/11				00/01/11				00/01/17	00/01/11		00/01/17	
TIAA-CREF LIFECYCLE 2030 FUND (TCRIX) ^[8] Gross Expense Ratio	\$3,762.50	42 54	12.97%	5.60%	8.70%	5.01%	1.37%	4.13%	8.74%	14.06%	6.12%	10.95%	4.76%	6.50%	10/15/2004 1/17/2007
BM: Lifecycle 2030 Fund Composite Index			11.94%	5.89%	8.72%	5.03%	1.40%	3.21%	7.57%	13.15%	5.95%	10.70%	4.72%	7.00%	
Fund vs.Lifecycle 2030 Fund Composite Index PG: Target-Date 2030 M'star Category			103 11.49%	-29 4.65%	-2 7.12%	-2 4.21%	-3 N/A	92 N/A	117 N/A	91 12.44%	17 4.81%	25 8.99%	4 3.87%	-50 N/A	
Fund vs. Target-Date 2030 M'star Category			148	95	158	80	N/A	N/A	N/A	162	131	196	89	N/A	
PG: Fund % Rank in Target-Date 2030 M'star Category PG: # of funds in Target-Date 2030 M'star Category			13% 225	13% 181	7% 147	22% 79	N/A N/A	N/A N/A	N/A N/A	14% 231	6% 183	7% 148	21% 82	N/A N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2035 FUND (TCIIX)[8]	\$3,794.50	43	14.07%	5.81%	9.21%	5.17%	1.56%	4.50%	9.55%	15.36%	6.43%	11.74%	4.92%	6.78%	10/15/2004
Gross Expense Ratio		55													1/17/2007
BM: Lifecycle 2035 Fund Composite Index Fund vs.Lifecycle 2035 Fund Composite Index			13.27% 80	6.20% -39	9.37% -16	5.27% -10	1.48%	3.42% 108	8.18% 137	14.50% 86	6.30% 13	11.59% 15	4.94% -2	7.00% -22	
PG: Target-Date 2035 M'star Category			12.76%	5.00%	7.91%	4.71%	N/A	N/A	N/A	14.00%	5.26%	10.07%	4.34%	N/A	
Fund vs. Target-Date 2035 M'star Category PG: Fund % Rank in Target-Date 2035 M'star Category			131 14%	81 16%	130 8%	46 25%	N/A N/A	N/A N/A	N/A N/A	136 15%	117 7%	167 7%	58 25%	N/A N/A	
PG: # of funds in Target-Date 2035 M'star Category			199	154	114	41	N/A	N/A	N/A	199	157	115	46	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2040 FUND (TCOIX)[8]	\$4,726.60	44	15.27%	6.03%	9.58%	5.42%	1.64%	4.79%	10.28%	16.65%	6.72%	12.22%	5.15%	7.12%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2040 Fund Composite Index		55	14.62%	6.50%	9.84%	5.52%	1.55%	3.61%	8.78%	15.87%	6.63%	12.16%	5.19%	7.00%	1/17/2007
Fund vs.Lifecycle 2040 Fund Composite Index			65	-47	-26	-10	9	118	150	78	9	6	-4	12	
PG: Target-Date 2040 M'star Category			13.47%	5.14%	7.96%	4.43%	N/A	N/A	N/A	14.58%	5.38%	10.18%	4.07%	N/A	
Fund vs. Target-Date 2040 M'star Category PG: Fund % Rank in Target-Date 2040 M'star Category			180 9%	89 14%	162 7%	99 16%	N/A N/A	N/A N/A	N/A N/A	207 9%	134 5%	204 5%	108 15%	N/A N/A	
PG: # of funds in Target-Date 2040 M'star Category			225	181	147	79	N/A	N/A	N/A	231	183	148	82	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2045 FUND (TTFIX)	\$2,254.70	45	15.75%	6.16%	9.67%	N/A	1.73%	4.92%	10.45%	17.07%	6.88%	12.31%	N/A	5.22%	11/30/2007
Gross Expense Ratio BM: Lifecycle 2045 Fund Composite Index		57	15.14%	6.68%	9.95%		1.58%	3.70%	9.03%	16.41%	6.83%	12.29%		5.68%	
Fund vs.Lifecycle 2045 Fund Composite Index			61	-52	-28		15	122	142	66	5	2		-46	
PG: Target-Date 2045 M'star Category			13.97%	5.31%	8.44%		N/A	N/A	N/A	15.33%	5.62%	10.80%		N/A	
Fund vs. Target-Date 2045 M'star Category PG: Fund % Rank in Target-Date 2045 M'star Category			178 6%	85 15%	123 8%		N/A N/A	N/A N/A	N/A	174 6%	126 6%	151 6%		N/A N/A	
PG: # of funds in Target-Date 2045 M'star Category			199	15%	113		N/A	N/A	N/A N/A	199	157	114		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE 2050 FUND (TFTIX)	\$1,423.60	45	15.98%	6.25%	9.70%	N/A	1.73%	4.90%	10.62%	17.29%	6.96%	12.35%	N/A	5.23%	11/30/2007
Gross Expense Ratio	, ,	58													
BM: Lifecycle 2050 Fund Composite Index Fund vs.Lifecycle 2050 Fund Composite Index			15.35% 63	6.77% -52	10.00% -30		1.60%	3.73% 117	9.13% 149	16.63% 66	6.92% 4	12.35% 0		5.71% -48	
PG: Target-Date 2050 M'star Category			14.15%	5.37%	8.32%		N/A	N/A	N/A	15.28%	5.63%	10.65%		N/A	
Fund vs. Target-Date 2050 M'star Category			183	88	138		N/A	N/A	N/A	201	133	170		N/A	
PG: Fund % Rank in Target-Date 2050 M'star Category PG: # of funds in Target-Date 2050 M'star Category			4% 217	14% 173	7% 136		N/A N/A	N/A N/A	N/A N/A	3% 224	4% 175	5% 137		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE 2055 FUND (TTRIX)	\$366.70	45	16.06%	6.30%	9.75%	N/A	1.76%	4.97%	10.73%	17.43%	7.02%	12.40%	N/A	8.59%	4/29/2011
Gross Expense Ratio	7000.0	64													
BM: Lifecycle 2055 Fund Composite Index Fund vs.Lifecycle 2055 Fund Composite Index			15.56% 50	6.85% -55	10.06% -31		1.61% 15	3.76% 121	9.22% 151	16.84% 59	7.01% 1	12.41% -1		8.87% -28	
PG: Target-Date 2055 M'star Category			14.22%	-55 5.50%	8.76%		N/A	N/A	N/A	15.60%	5.80%	11.21%		-26 N/A	
Fund vs. Target-Date 2055 M'star Category			184	80	99		N/A	N/A	N/A	183	122	119		N/A	
PG: Fund % Rank in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category			3% 197	15% 141	12% 86		N/A N/A	N/A N/A	N/A N/A	4% 197	5% 144	6% 86		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE 2060 FUND (TLXNX)	\$36.50	45	16.20%	N/A	N/A	N/A	1.69%	4.95%	10.76%	17.52%	N/A	N/A	N/A	7.70%	9/26/2014
Gross Expense Ratio	+	160													
BM: Lifecycle 2060 Fund Composite Index Fund vs.Lifecycle 2060 Fund Composite Index			15.78% 42				1.62%	3.79% 116	9.32% 144	17.06% 46				7.51% 19	
PG: Target-Date 2060 + M'star Category			14.41%				N/A	N/A	144 N/A	46 15.78%				19 N/A	
Fund vs. Target-Date 2060+ M'star Category			179				N/A	N/A	N/A	174				N/A	
PG: Fund % Rank in Target-Date 2060+ M'star Category PG: # of funds in Target-Date 2060+ M'star Category			2% 135				N/A N/A	N/A N/A	N/A N/A	4% 134				N/A N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
TIAA-CREF LIFECYCLE INDEX 2010 FUND (TLTIX)	\$295.30	10	7.33%	4.52%	6.01%	N/A	1.04%	2.46%	5.50%	8.47%	4.39%	7.07%	N/A	7.20%	9/30/2009
Gross Expense Ratio	+====	27													
BM: Lifecycle Index 2010 Composite Benchmark Fund vs.Lifecycle Index 2010 Composite Benchmark			7.41% -8	4.60% -8	6.14% -13		1.07% -3	2.45%	5.40% 10	8.57% -10	4.49% -10	7.21% -14		7.35% -15	
PG: Target-Date 2000-2010 M'star Category			-8 7.24%	-8 3.60%	-13 5.20%		N/A	N/A	N/A	-10 8.03%	-10 3.56%	-14 6.28%		-15 N/A	
Fund vs. Target-Date 2000-2010 M'star Category			9	92	81		N/A	N/A	N/A	44	83	79		N/A	
PG: Fund % Rank in Target-Date 2000-2010 M'star Category PG: # of funds in Target-Date 2000-2010 M'star Category			51% 112	6% 87	18% 69		N/A N/A	N/A N/A	N/A N/A	34% 111	11% 89	22% 69		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2015 FUND (TLFIX)	\$566.10	10	8.03%	4.78%	6.52%	N/A	1.07%	2.57%	5.87%	9.28%	4.70%	7.79%	N/A	7.68%	9/30/2009
Gross Expense Ratio	+	25													
BM: Lifecycle Index 2015 Composite Benchmark Fund vs.Lifecycle Index 2015 Composite Benchmark			8.19% -16	4.85% -7	6.67% -15		1.15% -8	2.63% -6	5.83% 4	9.40% -12	4.79% -9	7.94% -15		7.84% -16	
PG: Target-Date 2015 M'star Category			8.01%	3.74%	5.80%		N/A	N/A	N/A	8.84%	3.72%	7.09%		N/A	
Fund vs. Target-Date 2015 M'star Category			2	104	72		N/A	N/A	N/A	44	98	70		N/A	
PG: Fund % Rank in Target-Date 2015 M'star Category PG: # of funds in Target-Date 2015 M'star Category			53% 135	9% 96	25% 71		N/A N/A	N/A N/A	N/A N/A	39% 135	14% 99	25% 71		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	

INVESTMENT PERFORMANCE SUMMARY TIAA-CREF FUNDS INSTITUTIONAL SHARE CLASS

Part				i	Previous Qua	arter-End Re	turns				Current Mo	nth-End Retu	urns			
Part					A	vg. Annual F	Returns	1 Month	3 Month	YTD			Avg. An			-
Mathematical mat				04/01/16	04/01/14	04/01/12	04/01/07		03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
Mathematic	FUND							to 05/31/17								
Mathematical part	THE ORDER LIFEROVAL E HIDEV COOR ELIVER AT MINN	******		0.400/	= 000/	- 040/		4.040/	0.050/	0.540/	40.500/	5.00 0/	0.740/		0.000/	0.00.000
Mary		\$1,151.40		9.19%	5.09%	7.21%	N/A	1.21%	2.85%	6.51%	10.50%	5.09%	8.74%	N/A	8.28%	9/30/2009
Property in the property in								1.25%								
Part								N/A								
Part																
Mathematic 14																
Company Comp					****											
Martin M	TIAA-CREF LIFECYCLE INDEX 2025 FUND (TLQIX)	\$1,256.50	10	10.59%	5.48%	7.94%	N/A	1.35%	3.18%	7.19%	11.90%	5.51%	9.69%	N/A	8.90%	9/30/2009
Professional processional pro			22													
Part								1.36%								
Proof the Proo																
Marchesterlanges																
Mathematical Properties of P	PG: # of funds in Target-Date 2025 M'star Category											157	115			
Martine 1988 1899	Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
Mathematical Programme 1		\$1,310.40		11.83%	5.84%	8.62%	N/A	1.47%	3.42%	7.89%	13.20%	5.92%	10.61%	N/A	9.52%	9/30/2009
Martingenisher Mart			21	11.90%	5.91%	8.75%		1.47%	3.37%	7.75%	13.27%	6.02%	10.75%		9.64%	
Marth Mart	Fund vs.Lifecycle Index 2030 Composite Benchmark			-7	-7	-13		0	5	14	-7	-10	-14		-12	
Part																
Marches 1,100 1,200 1,																
Mathematical Properties (1987) 1988 1989 19																
Control Cont	ruiu Stal Rating			N/A	****	*****		N/A	IN/A	IN/A	IN/A	****	*****		IN/A	
Mathematic Mathemati		\$1,257.50		13.23%	6.16%	9.28%	N/A	1.53%	3.65%	8.49%	14.60%	6.29%	11.52%	N/A	10.08%	9/30/2009
Part			21	13.22%	6.23%	9.40%		1.56%	3.60%	8.39%	14.64%	6.37%	11.64%		10.21%	
Figure 12 Figu				1 700/				-3 N/A								
Martin Profit Martin M																
Part																
Mary																
Mary	T. 1. 2007 1770 2 1107 2 12 12 12 12 12 12 12 12 12 12 12 12 1	** ***		44.570/	0.400/	0.700/		4.040/		0.400/	40.000/		40.400/		40.400/	0/00/0000
Part		\$1,365.50		14.57%	6.46%	9.76%	N/A	1.61%	3.92%	9.12%	16.02%	6.64%	12.12%	N/A	10.43%	9/30/2009
Part	BM: Lifecycle Index 2040 Composite Benchmark			14.57%				1.63%								
Fine				0 13.47%				-2 N/A								
Part	Fund vs. Target-Date 2040 M'star Category			110	132	180		N/A	N/A	N/A	144	126			N/A	
Find Saffarding																
Separate Plant Sepa					****											
BAL Marche (pulse for words 60 commontaine menumant 1-10 1-	TIAA-CREF LIFECYCLE INDEX 2045 FUND (TLXIX)	\$814.20	10	15.08%	6.63%	9.86%	N/A	1.66%	3.97%	9.37%	16.51%	6.82%	12.22%	N/A	10.50%	9/30/2009
Fund visit Google Index 2045 Comparise Benchmark 1	•		22													
P.C. Targo-Clane 2004 Matar Category 11				15.09%				1.67%								
PG - Fund Six Rawkin Target-Date 2046 Mistar Category	PG: Target-Date 2045 M'star Category				5.31%	8.44%		N/A	N/A		15.33%	5.62%	10.80%		N/A	
Fig. of Linds in Target-Date 2046 Minter Category 194 197 194 197 194 197 194 197 194 197 194 197 194 197 194 197 194 197 194 197 194 197 194 197 194 197 194																
Make	PG: # of funds in Target-Date 2045 M'star Category			199	154	113		N/A	N/A	N/A	199	157	114		N/A	
Septemble Read 15.0% 6.80% 10.03% 1.88% 3.94% 9.37% 16.79% 7.09% 12.41% 10.88% 1.08%	Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
BM: Lifecycle Index 2090 Composite Benchmark		\$574.60		15.32%	6.72%	9.91%	N/A	1.66%	3.96%	9.48%	16.75%	6.91%	12.27%	N/A	10.54%	9/30/2009
Fund see, Lifler-yole Indiex 2050 Composite Benchmark PG: Target-Date 2050 Mistar Category 117			23	15.30%	6.80%	10.03%		1.68%	3.94%	9.37%	16.79%	7.00%	12.41%		10.68%	
Fund vis. Target-Date 2050 Mistar Category Fund vis. Target-Date 2050 Mistar Category Fund vis. Target-Date 2050 Mistar Category Fund Star Rating 10 15.25	Fund vs.Lifecycle Index 2050 Composite Benchmark			2	-8	-12		-2	2	11	-4	-9	-14		-14	
PG: Fund % Rank in Target-Date 2050 M*star Category 16%																
Fund Star Rating N/A State Stat	PG: Fund % Rank in Target-Date 2050 M'star Category			16%	3%	5%		N/A	N/A	N/A	13%	6%	6%		N/A	
TIAA-CREF LIFECYCLE INDEX 2055 FUND (TTIIX) \$172.50 10 15.52% 6.78% 9.96% NIA 1.66% 4.04% 9.56% 16.95% 6.99% 12.33% NIA 8.80% 4/29/2011 6.7005 8.80% 4/29/2011 6.7005 8.80% 1.700% 3.97% 9.47% 17.01% 7.10% 7.10% 12.47% 8.92% 8.92% Fund vs. Target-Date 2055 Composite Benchmark 1 1 2 10 12 2 4 7 9 6 6 11 14.14% 15.50% 8.76% NIA NIA NIA NIA NIA NIA NIA NI																
Gross Expense Ratio 40 51.51% 6.88% 10.08% 1.70% 3.97% 9.47% 17.01% 7.10% 12.47% 8.92% 1.70% 1.7	ruiu Stal Rating			IN/A	*****	*****		IN/A	N/A	IN/A	IN/A	*****	*****		IN/A	
BM: Lifecycle Index 2055 Composite Benchmark Fund vs.Lifecycle Index 2055 M'star Category Fund ws. Rame in Target-Date 2055 M'star Category Fund ws. Lifecycle Index 2060 Composite Benchmark Fund Star Rating Fund ws. Lifecycle Index 2060 Composite Benchmark Fund vs. Lifecycle Index 2060 M'star Category Fund vs. Lifecycle Index 2060 M's		\$172.50		15.52%	6.78%	9.96%	N/A	1.66%	4.04%	9.56%	16.95%	6.99%	12.33%	N/A	8.80%	4/29/2011
Fund vs. Lifecycle Index 2055 Composite Benchmark			40	15.51%	6.88%	10.08%		1.70%	3.97%	9.47%	17.01%	7.10%	12.47%		8.92%	
Fund vs. Target-Date 2055 M'star Category Fund ws. Target-Date 2055 M'star Category Fund ws. Target-Date 2055 M'star Category Fund Skarak in Target-Date 2056 M'star Category Fund Skarak in Target-Date 2056 M'star Category Fund ws. Lifecycle Index 2060 Composite Benchmark Fund vs. Lifecycle Index 2060 Composite Benchmark Fund vs. Lifecycle Index 2060 Composite Benchmark Fund vs. Lifecycle Index 2060 M'star Category Fund vs. Target-Date 2060 M'star Category Fund vs. Target-Date 2060 M'star Category Fund vs. Target-Date 2060 M'star Category Fund ws. Target-Date 2060 M'star Category Fund vs. Target-Date 20	Fund vs.Lifecycle Index 2055 Composite Benchmark			1				-4 N/A								
PG: Fund % Rank in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2056 M'star Category PG: # of funds in Target-Date 2060 M'star Category PG: #																
Fund Star Rating N/A ***** N/A N/A N/A N/A N/A N	PG: Fund % Rank in Target-Date 2055 M'star Category															
TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVIIX) \$25.80 10 15.69% N/A																
Gross Expense Ratio 127 BM: Lifecycle Index 2000 Composite Benchmark 15.72% 1.71% 4.01% 9.57% 17.22% 7.64	TIAA ODEE LIFECYOLE INDEX 2000 FUND (TVIIV)	¢25.00	40	45 000/	N/A	N/A	N/A	4 740/	4.450/	0.700/	47.000/	N/A	N/A	N/A	7.500/	0/00/0044
BM: Lifecycle Index 2060 Composite Benchmark 15.72% 1.71% 4.01% 9.57% 17.22% 7.64% Fund vs. Lifecycle Index 2060 Composite Benchmark 3 0 14 15 0 -8 PG: Target-Date 2060+ Mfstar Category 14.41% N/A N/A N/A N/A 15.78% N/A Fund vs. Target-Date 2060+ Mfstar Category 128 N/A N/A N/A 144 144 PG: Fund % Rank in Target-Date 2060+ Mfstar Category 12% N/A N/A N/A 10% N/A N/A PG: # of funds in Target-Date 2060+ Mfstar Category 135 N/A N/A N/A 134 104 N/A		\$25.80		15.69%	N/A	N/A	N/A	1./1%	4.15%	9.72%	17.22%	N/A	N/A	N/A	7.56%	9/26/2014
PG: Target-Date 2060+ Mfstar Category 14.41% N/A N/A N/A N/A 15.78% N/A N/A 15.78% N/A Fund vs. Target-Date 2060+ Mfstar Category 128 N/A N/A N/A N/A 144 N/A N/A PG: # of Mrstar Category 135 N/A N/A N/A N/A 15.78% N/A	BM: Lifecycle Index 2060 Composite Benchmark							1.71%								
Fund vs. Target-Date 2060+ Mstar Category 128 N/A N/A N/A 144 N/A PG: Fund % Rank in Target-Date 2060+ Mstar Category 12% N/A N/A N/A 10% N/A PG: # of funds in Target-Date 2060+ Mstar Category 135 N/A N/A N/A 134 N/A								N/A								
PG: # of funds in Target-Date 2060+ Mistar Category 135 N/A N/A N/A 134 N/A	Fund vs. Target-Date 2060+ M'star Category			128				N/A	N/A	N/A	144				N/A	

INVESTMENT PERFORMANCE SUMMARY TIAA-CREF FUNDS INSTITUTIONAL SHARE CLASS

_			F	Previous Qua						Current Mo	nth-End Retu				
			1 Year	3 Year	rg. Annual R 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	Avg. An	nual Return: 10 Year	Since	=
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	to 05/31/17	Inc. Date						
FUND	05/31/1/	(phs)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF LIFECYCLE INDEX RETIREMENT INCOME FUND (TRILX)	\$127.50	10	6.68%	4.31%	5.43%	N/A	0.95%	2.30%	5.09%	7.81%	4.14%	6.28%	N/A	6.66%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index Retirement Income Composite Benchmark		41	6.84%	4.40%	5.59%		1.02%	2.34%	5.11%	7.99%	4.27%	6.44%		6.83%	
Fund vs.Lifecycle Index Retirement Income Composite Benchmark			-16	-9	-16		-7	-4	-2	-18	-13	-16		-17	
PG: Target-Date Retirement M'star Category Fund vs. Target-Date Retirement M'star Category			6.03% 65	2.94% 137	3.94% 149		N/A N/A	N/A N/A	N/A N/A	6.64% 117	2.90% 124	4.62% 166		N/A N/A	
PG: Fund % Rank in Target-Date Retirement M'star Category			30%	1%	7%		N/A	N/A	N/A	20%	4%	9%		N/A	
PG: # of funds in Target-Date Retirement M'star Category Fund Star Rating			171	133	113		N/A	N/A	N/A	171	136	114		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE RETIREMENT INCOME FUND (TLRIX)	\$495.20	37	8.28%	4.32%	5.83%	N/A	0.97%	2.77%	5.90%	9.09%	4.47%	6.85%	N/A	4.92%	11/30/2007
Gross Expense Ratio BM: Lifecycle Retirement Income Fund Composite Index		52	6.86%	4.26%	5.48%		0.99%	2.25%	5.01%	7.92%	4.17%	6.34%		4.91%	
Fund vs.Lifecycle Retirement Income Fund Composite Index			142	6	35		-2	52	89	117	30	51		1	
PG: Target-Date Retirement M'star Category			6.03%	2.94%	3.94%		N/A	N/A	N/A	6.64%	2.90%	4.62%		N/A	
Fund vs. Target-Date Retirement M'star Category PG: Fund % Rank in Target-Date Retirement M'star Category			225 9%	138 1%	189 1%		N/A N/A	N/A N/A	N/A N/A	245 8%	157 1%	223 2%		N/A N/A	
PG: # of funds in Target-Date Retirement M'star Category			171	133	113		N/A	N/A	N/A	171	136	114		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE AGGRESSIVE GROWTH FUND (TSAIX)	\$68.00	56	16.63%	6.32%	10.35%	N/A	1.80%	5.38%	11.37%	18.09%	7.16%	13.35%	N/A	12.71%	12/9/2011
Gross Expense Ratio BM: Lifestyle Aggressive Composite Benchmark		87	16.69%	6.99%	10.54%		1.67%	3.92%	9.72%	17.98%	7.17%	13.23%		12.52%	
Fund vs.Lifestyle Aggressive Composite Benchmark			-6	-67	-19		13	146	165	11	-1	12		19	
PG: Allocation85%+ Equity M'star Category			14.91% 172	5.37% 95	9.09% 126		N/A N/A	N/A N/A	N/A N/A	15.54% 255	5.65% 151	11.62% 173		N/A N/A	
Fund vs. Allocation85%+ Equity M'star Category PG: Fund % Rank in Allocation85%+ Equity M'star Category			17%	21%	15%		N/A	N/A	N/A	8%	8%	5%		N/A	
PG: # of funds in Allocation85%+ Equity M'star Category			161	139	125		N/A	N/A	N/A	167	147	123		N/A	
Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE CONSERVATIVE FUND (TCSIX)	\$179.10	47	8.14%	4.23%	5.89%	N/A	0.99%	2.93%	5.95%	8.87%	4.51%	7.04%	N/A	7.05%	12/9/2011
Gross Expense Ratio BM: Lifestyle Conservative Composite Benchmark		60	6.78%	4.18%	5.43%		1.01%	2 24%	4.94%	7.80%	4.19%	6.38%		6.31%	
Fund vs.Lifestyle Conservative Composite Benchmark			136	5	46		-2	69	101	107	32	66		74	
PG: Allocation30% to 50% Equity M'star Category			8.03% 11	3.25% 98	5.13%		N/A	N/A	N/A	8.10%	3.16%	6.12% 92		N/A	
Fund vs. Allocation30% to 50% Equity M'star Category PG: Fund % Rank in Allocation30% to 50% Equity M'star Category			42%	17%	76 23%		N/A N/A	N/A N/A	N/A N/A	77 32%	135 12%	22%		N/A N/A	
PG: # of funds in Allocation30% to 50% Equity M'star Category			513	408	350		N/A	N/A	N/A	506	401	349		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE GROWTH FUND (TSGGX)	\$106.70	53	14.05%	5.80%	9.05%	N/A	1.61%	4.68%	9.83%	15.24%	6.47%	11.46%	N/A	11.05%	12/9/2011
Gross Expense Ratio BM: Lifestyle Growth Composite Benchmark		72	13.29%	6.22%	8.96%		1.49%	3.44%	8.22%	14.56%	6.33%	11.04%		10.58%	
Fund vs.Lifestyle Growth Composite Benchmark			76	-42	9		12	124	161	68	14	42		47	
PG: Allocation70% to 85% Equity M'star Category Fund vs. Allocation70% to 85% Equity M'star Category			12.55% 150	4.51% 129	7.85% 120		N/A N/A	N/A N/A	N/A N/A	12.90% 234	4.66% 181	9.86% 160		N/A N/A	
PG: Fund % Rank in Allocation70% to 85% Equity M'star Category			21%	19%	15%		N/A	N/A	N/A	13%	9%	9%		N/A	
PG: # of funds in Allocation70% to 85% Equity M'star Category Fund Star Rating			397 N/A	347 ****	286		N/A N/A	N/A N/A	N/A N/A	377 N/A	334	290		N/A N/A	
Turio otal rading										1071					
TIAA-CREF LIFESTYLE INCOME FUND (TSITX) Gross Expense Ratio	\$65.70	43	5.17%	3.20%	4.06%	N/A	0.73%	2.01%	3.92%	5.72%	3.30%	4.63%	N/A	4.77%	12/9/2011
BM: Lifestyle Income Composite Benchmark			3.66%	2.93%	3.49%		0.71%	1.54%	3.16%	4.48%	2.90%	3.93%		4.01%	
Fund vs.Lifestyle Income Composite Benchmark PG: Allocation15% to 30% Equity M'star Category			151 5.78%	27 2.49%	57 3.37%		2 N/A	47 N/A	76 N/A	124 5.96%	40 2.35%	70 3.98%		76 N/A	
Fund vs. Allocation15% to 30% Equity M'star Category			-61	71	69		N/A	N/A	N/A	-24	95	65		N/A	
PG: Fund % Rank in Allocation15% to 30% Equity M'star Category			58%	31%	36%		N/A	N/A	N/A	56%	23%	38%		N/A	
PG: # of funds in Allocation15% to 30% Equity M'star Category Fund Star Rating			202 N/A	171 ****	151 ****		N/A N/A	N/A N/A	N/A N/A	209 N/A	180 ****	148 ****		N/A N/A	
TIAA-CREF LIFESTYLE MODERATE FUND (TSIMX) Gross Expense Ratio	\$259.80	51	11.16%	5.24%	7.73%	N/A	1.36%	3.94%	8.10%	12.19%	5.70%	9.48%	N/A	9.34%	12/9/2011
BM: Lifestyle Moderate Composite Benchmark			9.97% 119	5.40% -16	7.35% 38		1.31%	2.95% 99	6.74% 136	11.20% 99	5.44% 26	8.85% 63		8.61% 73	
Fund vs.Lifestyle Moderate Composite Benchmark PG: Allocation50% to 70% Equity M'star Category			119 10.53%	-16 4.43%	38 7.04%		5 N/A	99 N/A	136 N/A	99 10.66%	26 4.36%	63 8.43%		73 N/A	
Fund vs. Allocation-50% to 70% Equity M'star Category			63	81	69		N/A	N/A	N/A	153	134	105		N/A	
PG: Fund % Rank in Allocation50% to 70% Equity M'star Category PG: # of funds in Allocation50% to 70% Equity M'star Category			29% 824	33% 721	34% 616		N/A N/A	N/A N/A	N/A N/A	18% 830	23% 727	29% 653		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF MANAGED ALLOCATION FUND (TIMIX)	\$815.10	40	11.22%	5.41%	7.81%	5.32%	1.32%	3.73%	7.98%	12.39%	5.82%	9.50%	5.16%	5.96%	3/31/2006
Gross Expense Ratio		43													
BM: Managed Allocation Composite Index ^[5] Fund vs.Managed Allocation Composite Index			9.97% 125	5.40% 1	7.45% 36	5.43% -11	1.31%	2.95% 78	6.74% 124	11.20% 119	5.44% 38	8.92% 58	5.24% -8	6.02% -6	
PG: Allocation-50% to 70% Equity M'star Category			10.53%	4.43%	7.04%	5.06%	N/A	N/A	N/A	10.66%	4.36%	8.43%	4.73%	N/A	
Fund vs. Allocation—50% to 70% Equity M'star Category			69	98	77	26	N/A	N/A	N/A	173	146	107	43	N/A	
PG: Fund % Rank in Allocation50% to 70% Equity M'star Category PG: # of funds in Allocation50% to 70% Equity M'star Category			28% 824	29% 721	32% 616	42% 424	N/A N/A	N/A N/A	N/A N/A	15% 830	21% 727	28% 653	35% 431	N/A N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
			I				1								

			F	revious Qua	arter-End Re	turns				Current Mo	nth-End Reti	urns			
				A۱	vg. Annual F	leturns						Avg. An	nual Returns	3	
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Money Market															
TIAA-CREF MONEY MARKET FUND (TCIXX)[3,6]	\$910.50	14	0.34%	0.14%	0.10%	0.78%	0.06%	0.15%	0.22%	0.39%	0.18%	0.12%	0.70%	1.93%	7/1/1999
Gross Expense Ratio		14													
BM: iMoneynet Money Fund AveragesTM-All Government			0.12%	0.05%	0.03%	0.52%	0.03%	0.08%	0.11%	0.16%	0.07%	0.05%	0.45%	1.54%	
Fund vs.iMoneynet Money Fund AveragesTM-All Government			22	9	7	26	3	7	11	23	11	7	25	39	
7-Day Effective Yield as of 05/31/2017: 0.70%															
7-Day Current Yield as of 05/31/2017: 0.70%															
MUTUAL FUND TOTAL O[1]	****		1												

IUTUAL FUND TOTALS^[1] \$118,059.

- BM = Benchmark; PG = Peer Group; % Rank within Morningstar Category: 1 = Best 100 = Worst; Morningstar Category Returns are equal-weighted.
- The Morningstar category averages, percentile ranks and star ratings are sourced from the Morningstar Essentials files prepared for TIAA as well as from Morningstar Direct.
- [1] Combined Mutual Funds' Net Assets exclude the Managed Allocation Fund, Lifecycle Funds, and Lifestyle Funds.
- [2] The net expense ratio (top number) represents expenses after reimbursement and waivers, and is what participants actually pay. The number below represents the gross expense ratio, before consideration for reimbursements and/or waivers.
- [3] The "Since Inception" benchmark performance shown is computed from August 1999.
- [4] The "Since Inception" values presented are cumulative values and not average annualized total returns.
- [5] 42% Russell 3000® Index, 40% Bloomberg Barclays U.S. Aggregate Bond Index, 18% Morgan Stanley All Country World Index ex-USA.
- [6] Beginning December 13, 2011, part or all of the investment management fees of the Institutional Class of the TIAA-CREF Money Market Fund may be voluntarily waived. Without this waiver, current and effective annualized yields and total returns would be lower. This voluntary fee waiver may be discontinued at any time without notice.
- [7] Effective January 1, 2016 the Fund's benchmark index changed from the Bloomberg Barclays U.S. TIPS Index to the Bloomberg Barclays 1-10 US Treasury Inflation Protected Securities Index
- [8] The Institutional Class began operations on January 17, 2007. Where a product lists two inception dates, the top date reflects the inception date of the product's oldest share class, and the bottom date represents the date of inception for the Share Class being reported. Performance shown for periods prior to the inception of the Institutional Class reflects the performance of the Retirement Class, and has not been adjusted to reflect the higher expenses of the Retirement Class.

Teachers Advisors, LLC. ("Advisors"), the Funds' investment adviser has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed 0.00% of average daily net assets for the Lifecycle and 0.04% for the Lifecycle index Institutional Class Funds. These expense reimbursement arrangements will continue through at least September 30, 2017 unless changed with approval of the Board of Trustees.

In addition to the expense reimbursement arrangement, Advisors has contractually agreed to waive a portion of the Fund's Management Fee equal to, on an annual basis of 0.10% for the all of the Lifecycle Funds. This waiver will remain in effect through September 30, 2017, unless changed with approval of the Board of Trustees.

Under the Funds' expense reimbursement arrangements, the Funds' investment adviser, Teachers Advisors, LLC. ("Advisors"), has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed the following annual rates of average daily net assets: a) 0.52% for the Growth & Incorome Fund; 0.60% for the International Equity Fund; 0.99% for the Large-Cap Growth Fund; 0.59% for the Mid-Cap Growth Fund; 0.55% for the Mid-Cap Growth Fund; 0.59% for the Mid-Cap Value Fund; 0.09% for the Small-Cap Value Fund; 0.09% for the Equity Fund; 0.09% for the Equity Fund; 0.09% for the Small-Cap Value Fund; 0.09% for t

- a) These expense reimbursement arrangements will continue through at least February 28, 2018 unless changed with approval of the Board of Trustees.
- b) These expense reimbursement arrangements will continue through at least July 31, 2017 unless changed with approval of the Board of Trustees
- c) These expense reimbursement arrangements will continue through at least September 30, 2017 unless changed with approval of the Board of Trustees.

			F	revious Qua						Current Mo	nth-End Ret	urns	nijaj Davija		_
			1 Year	3 Year	7g. Annuai R 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	nual Keturn 10 Year	Since	=
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
U.S. Equities															
TIAA-CREF ENHANCED LARGE-CAP GROWTH INDEX FUND (TECGX)	\$2,425.30	43	16.33%	11.73%	12.48%	N/A	2.11%	5.00%	13.09%	20.48%	12.13%	15.03%	N/A	8.66%	11/30/20
Gross Expense Ratio BM: Russell 1000 Growth Index		43	15.76%	11.27%	13.32%		2.60%	6.16%	14.30%	20.27%	11.92%	15.98%		9.00%	12/4/201
Fund vs.Russell 1000 Growth Index			57	46	-84		-49	-116	-121	21	21	-95		-34	
PG: Large Growth M'star Category			14.85%	8.53%	11.55%		N/A	N/A	N/A	18.19%	9.67%	14.45%		N/A	
Fund vs. Large Growth M'star Category			148	320	93		N/A	N/A	N/A	229	246	58		N/A	
PG: Fund % Rank in Large Growth M'star Category PG: # of funds in Large Growth M'star Category			29% 1454	6% 1306	32% 1154		N/A N/A	N/A N/A	N/A N/A	23% 1426	16% 1284	41% 1145		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	***		N/A	
TIAA-CREF ENHANCED LARGE-CAP VALUE INDEX FUND (TELCX)	\$2,248.50	43	18.05%	7.57%	11.97%	N/A	-0.50%	-2.08%	1.96%	13.38%	6.61%	13.51%	N/A	5.56%	11/30/20
Gross Expense Ratio BM: Russell 1000 Value Index		43	19.22%	8.67%	13.13%		-0.10%	-1.30%	2.97%	14.66%	7.70%	14.67%		6.00%	12/4/201
Fund vs.Russell 1000 Value Index			-117	-110	-116		-40	-78	-101	-128	-109	-116		-44	
PG: Large Value M'star Category			17.44%	7.32%	11.47%		N/A	N/A	N/A	14.75%	6.65%	13.24%		N/A	
Fund vs. Large Value M'star Category			61	25	50		N/A	N/A	N/A	-137	-4	27		N/A	
PG: Fund % Rank in Large Value M'star Category PG: # of funds in Large Value M'star Category			44% 1258	48% 1084	39% 936		N/A N/A	N/A N/A	N/A N/A	68% 1244	57% 1082	45% 935		N/A N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF EQUITY INDEX FUND (TEIHX) Gross Expense Ratio	\$13,964.80	14	18.03%	9.72%	13.14%	7.53%	1.02%	2.17%	7.96%	17.73%	9.66%	15.23%	6.95%	5.57%	7/1/1999
BM: Russell 3000 Index		14	18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	6.00%	12/4/201
Fund vs.Russell 3000 Index			-4	-4	-4	-1	0	1	0	4	-2	-3	-1	-43	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star Category PG: Fund % Rank in Large Blend M'star Category			206 21%	158 22%	140 14%	101 18%	N/A N/A	N/A N/A	N/A N/A	168 23%	158 21%	124 20%	97 18%	N/A N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF GROWTH & INCOME FUND (TGIHX) Gross Expense Ratio	\$6,294.10	50	17.63%	9.59%	12.78%	8.85%	2.07%	4.40%	10.52%	17.77%	10.07%	15.26%	8.27%	5.91%	7/1/1999 12/4/201
BM: S&P 500 Index		50	17.17%	10.37%	13.30%	7.51%	1.41%	2.57%	8.66%	17.47%	10.14%	15.42%	6.94%	5.00%	12/4/201
Fund vs.S&P 500 Index			46	-78	-52	134	66	183	186	30	-7	-16	133	91	
PG: Large Growth M'star Category			14.85%	8.53%	11.55%	7.71%	N/A	N/A	N/A	18.19%	9.67%	14.45%	7.41%	N/A	
Fund vs. Large Growth M'star Category			278	106	123	114	N/A	N/A	N/A	-42	40	81	86	N/A	
PG: Fund % Rank in Large Growth M'star Category			17%	34%	25%	21%	N/A	N/A	N/A	55%	47%	35%	29%	N/A	
PG: # of funds in Large Growth M'star Category Fund Star Rating			1454 N/A	1306	1154	800	N/A N/A	N/A N/A	N/A N/A	1426 N/A	1284	1145	805	N/A N/A	
TIAA-CREF LARGE-CAP GROWTH FUND (TILHX)	\$4,400.10	52	13.07%	10.48%	13.26%	8.99%	3.83%	9.07%	17.92%	18.62%	12.31%	16.86%	8.92%	9.08%	3/31/200
Gross Expense Ratio		52	15 76%	11 279/	12 220/	0.139/	2 600/	6 169/	14 20%	20.279/	11 020/	1E 000/	0 770/	0.00%	12/4/201
BM: Russell 1000 Growth Index Fund vs.Russell 1000 Growth Index			15.76% -269	11.27% -79	13.32% -6	9.13% -14	2.60%	6.16% 291	14.30% 362	20.27% -165	11.92% 39	15.98% 88	8.77% 15	9.00%	
PG: Large Growth M'star Category			14.85%	8.53%	11.55%	7.71%	N/A	N/A	N/A	18.19%	9.67%	14.45%	7.41%	N/A	
Fund vs. Large Growth M'star Category			-178	195	171	128	N/A	N/A	N/A	43	264	241	151	N/A	
PG: Fund % Rank in Large Growth M'star Category			73%	19%	15%	17%	N/A	N/A	N/A	47%	13%	8%	16%	N/A	
PG: # of funds in Large Growth M'star Category			1454 N/A	1306	1154	800	N/A N/A	N/A N/A	N/A	1426 N/A	1284	1145	805	N/A	
Fund Star Rating			IN/A	****	****	****	IN/A	IN/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LARGE-CAP GROWTH INDEX FUND (TRIHX)	\$4,736.50	15	15.68%	11.19%	13.24%	9.05%	2.59%	6.09%	14.17%	20.15%	11.82%	15.88%	8.69%	10.09%	10/1/200
Gross Expense Ratio BM: Russell 1000 Growth Index		15	15.76%	11.27%	13.32%	9.13%	2.60%	6.16%	14.30%	20.27%	11.92%	15.98%	8.77%	10.00%	12/4/201
Fund vs.Russell 1000 Growth Index			-8	-8	-8	-8	-1	-7	-13	-12	-10	-10	-8	9	
PG: Large Growth M'star Category			14.85%	8.53%	11.55%	7.71%	N/A	N/A	N/A	18.19%	9.67%	14.45%	7.41%	N/A	
Fund vs. Large Growth M'star Category			83	266	169	134	N/A	N/A	N/A	196	215	143	128	N/A	
PG: Fund % Rank in Large Growth M'star Category PG: # of funds in Large Growth M'star Category			38%	10%	16%	16% 800	N/A	N/A	N/A	27%	18%	22%	20%	N/A	
Fund Star Rating			1454 N/A	1306	1154	****	N/A N/A	N/A N/A	N/A N/A	1426 N/A	1284	1145	805 ****	N/A N/A	
•												**			
	\$6,487.70	52	22.06%	8.03%	12.71%	5.85%	-0.59%	-1.86%	2.43%	15.44%	7.05%	14.09%	4.85%	9.69%	10/1/200
								4.000/	2.97%	14.66%	7.70%	14.67%	5.15%	9.00%	12/4/201
Gross Expense Ratio		52	19 22%	8.67%	13 13%	5.93%	-0.10%		01 /0			-58	-30	69	
TIAA-CREF LARGE-CAP VALUE FUND (TRLHX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs-Russell 1000 Value Index		52	19.22% 284	8.67% -64	13.13% -42	5.93% -8	-0.10% -49	-1.30% -56	-54	78	-65	-36		09	
Gross Expense Ratio BM: Russell 1000 Value Index		32							-54 N/A	78 14.75%	-65 6.65%	13.24%	4.82%	N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PG: Large Value Mistar Category Fund vs. Large Value Mistar Category		32	284 17.44% 462	-64 7.32% 71	-42 11.47% 124	-8 5.59% 26	-49 N/A N/A	-56 N/A N/A	N/A N/A	14.75% 69	6.65% 40	13.24% 85	4.82% 3	N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category		32	284 17.44% 462 12%	-64 7.32% 71 39%	-42 11.47% 124 24%	-8 5.59% 26 51%	-49 N/A N/A N/A	-56 N/A N/A N/A	N/A N/A N/A	14.75% 69 38%	6.65% 40 48%	13.24% 85 35%	4.82% 3 56%	N/A N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund M's Arank in Large Value M'star Category PG: # of funds in Large Value M'star Category		32	284 17.44% 462	-64 7.32% 71	-42 11.47% 124	-8 5.59% 26	-49 N/A N/A	-56 N/A N/A N/A N/A	N/A N/A N/A N/A	14.75% 69	6.65% 40	13.24% 85	4.82% 3	N/A N/A N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund M's Arank in Large Value M'star Category PG: # of funds in Large Value M'star Category		52	284 17.44% 462 12% 1258	-64 7.32% 71 39% 1084	-42 11.47% 124 24% 936	-8 5.59% 26 51% 679	-49 N/A N/A N/A N/A	-56 N/A N/A N/A	N/A N/A N/A	14.75% 69 38% 1244	6.65% 40 48% 1082	13.24% 85 35% 935	4.82% 3 56% 677	N/A N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PC: Large Value Mstar Category Fund vs. Large Value Mstar Category PG: Fund % Rank in Large Value Mstar Category PC: #G funds in Large Value Mstar Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX)	\$6,379.70	15	284 17.44% 462 12% 1258	-64 7.32% 71 39% 1084	-42 11.47% 124 24% 936	-8 5.59% 26 51% 679	-49 N/A N/A N/A N/A	-56 N/A N/A N/A N/A	N/A N/A N/A N/A	14.75% 69 38% 1244	6.65% 40 48% 1082	13.24% 85 35% 935	4.82% 3 56% 677	N/A N/A N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio	\$6,379.70		284 17.44% 462 12% 1258 N/A 19.10%	-64 7.32% 71 39% 1084 ***	-42 11.47% 124 24% 936 ***	-8 5.59% 26 51% 679 ***	-49 N/A N/A N/A N/A N/A -0.11%	-56 N/A N/A N/A N/A N/A -1.28%	N/A N/A N/A N/A N/A 2.94%	14.75% 69 38% 1244 N/A 14.58%	6.65% 40 48% 1082 ***	13.24% 85 35% 935 ***	4.82% 3 56% 677 ***	N/A N/A N/A N/A N/A 9.34%	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PC: Large Value Mistar Category Fund vs. Large Value Mistar Category PC: Fund % Rank in Large Value Mistar Category PC: # of funds in Large Value Mistar Category Fund Star Rating	\$6,379.70	15	284 17.44% 462 12% 1258 N/A	-64 7.32% 71 39% 1084 ***	-42 11.47% 124 24% 936 ***	-8 5.59% 26 51% 679 ***	-49 N/A N/A N/A N/A N/A	-56 N/A N/A N/A N/A	N/A N/A N/A N/A N/A	14.75% 69 38% 1244 N/A	6.65% 40 48% 1082 ***	13.24% 85 35% 935 ***	4.82% 3 56% 677 ***	N/A N/A N/A N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category	\$6,379.70	15	284 17.44% 462 12% 1258 N/A 19.10%	-64 7.32% 71 39% 1084 *** 8.59%	-42 11.47% 124 24% 936 *** 13.02%	-8 5.59% 26 51% 679 *** 5.87%	-49 N/A N/A N/A N/A N/A -0.11%	-56 N/A N/A N/A N/A N/A -1.28%	N/A N/A N/A N/A N/A 2.94%	14.75% 69 38% 1244 N/A 14.58%	6.65% 40 48% 1082 *** 7.63%	13.24% 85 35% 935 *** 14.56%	4.82% 3 56% 677 *** 5.09%	N/A N/A N/A N/A N/A 9.34%	10/1/200: 12/4/201
Gross Expense Ratio BM: Russell 1000 Value Index PC: Large Value M'star Category Fund vs. Russell value M'star Category PC: Fund % Rank in Large Value M'star Category PC: For Ind % Rank in Large Value M'star Category PC: For Ind sin Large Value M'star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PC: Large Value M'star Category Fund vs. Large Value M'star Category Fund vs. Large Value M'star Category	\$6,379.70	15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127	-42 11.47% 124 24% 936 *** 13.02%	-8 5.59% 26 51% 679 *** 5.87% 5.93% -6 5.59% 28	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A N/A	-56 N/A N/A N/A N/A N/A -1.28% -1.30% 2 N/A N/A	N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75%	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98	13.24% 85 35% 935 *** 14.56% 14.67% -11 13.24% 132	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Russell 1001 Value Index PG: Large Value M'star Category FG: # of funds in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category	\$6,379.70	15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30%	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127 21%	-42 11.47% 124 24% 936 *** 13.02% 13.13% -11 11.47% 155 13%	-8 5.59% 26 51% 679 *** 5.87% 5.93% -6 5.59% 28 44%	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A N/A N/A	-56 N/A N/A N/A N/A N/A -1.28% -1.30% 2 N/A N/A N/A	N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75% -17 50%	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98 29%	13.24% 85 35% 935 *** 14.56% 14.67% -11 13.24% 132 17%	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27 43%	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M*star Category FUE Fund vs. Large Value M*star Category PG: Fund % Rank in Large Value M*star Category PG: # of funds in Large Value M*star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M*star Category Fund vs. Large Value M*star Category PG: Fund % Rank in Large Value M*star Category PG: Fund funds in Large Value M*star Category PG: # of funds in Large Value M*star Category	\$6,379.70	15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30% 1258	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127	-42 11.47% 124 24% 936 *** 13.02%	-8 5.59% 26 51% 679 *** 5.87% 5.93% -6 5.59% 28	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A N/A	-56 N/A N/A N/A N/A N/A -1.28% -1.30% 2 N/A N/A N/A	N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A N/A	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75% -17 50% 1244	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98	13.24% 85 35% 935 *** 14.56% 14.67% -11 13.24% 132	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating		15 15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30% 1258 N/A	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127 21% 1084 ****	-42 11.47% 124 24% 936 *** 13.02% 13.13% -11 11.47% 155 13% 936 ***	-8 5.59% 26 51% 679 *** 5.87% 5.93% -6 5.59% 28 44% 679 ***	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A N/A N/A N/A N/A N/A N/A N/A	-56 N/A N/A N/A N/A -1.28% -1.30% 2 N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A N/A N/A	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75% -17 50% 1244 N/A	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98 29% 1082 ***	13.24% 85 35% 935 *** 14.66% -11 13.24% 132 17% 935 ***	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27 43% 677 ***	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A N/A	12/4/201
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PG: Large Value M'star Category PG: Fund % Rank in Large Value M'star Category PG: # of funds in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF MID-CAP GROWTH FUND (TCMHX)	\$6,379.70 \$1,554.70	15 15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30% 1258	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127 21% 1084	-42 11.47% 124 24% 936 *** 13.13% -11 11.47% 155 13% 936	-8 5.59% 26 51% 679 *** 5.87% 5.93% -6 5.59% 28 44% 679	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A N/A N/A N/A N/A	-56 N/A N/A N/A N/A N/A -1.28% -1.30% 2 N/A N/A N/A	N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A N/A	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75% -17 50% 1244	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98 29% 1082	13.24% 85 35% 935 *** 14.66% 14.67% -11 13.24% 132 17% 935	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27 43% 677	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A N/A	12/4/201
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PG: Large Value M'star Category FG: Fund % Ransk in Large Value M'star Category PG: Fund % Ransk in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category FG: Fund % Ransk in Large Value M'star Category PG: # of funds in Large Value M'star Category FG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF MID-CAP GROWTH FUND (TCMHX) Gross Expense Ratio		15 15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30% 1258 N/A	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127 21% 1084 **** 5.22%	-42 11.47% 124 936 *** 13.02% 13.13% -11 11.47% 155 13% 936 ***	-8 5.59% 26 51% 679 *** 5.87% 5.93% -6 5.59% 28 44% 679 ***	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A	-56 N/A N/A N/A N/A -1.28% -1.30% 2 N/A	N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A N/A N/A N/A N/A	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75% -17 50% 1244 N/A	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98 29% 1082 **** 7.21%	13.24% 85 35% 935 *** 14.66% -11 13.24% 132 17% 935 ****	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27 43% 677 ***	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A N/A N/A N/A	12/4/201
BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: # of funds in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category Fund vs. Large Value M'star Category PG: # of funds in Large Value M'star Category PG: # of funds in Large Value M'star Category Fund Star Rating TIAA-CREF MID-CAP GROWTH FUND (TCMHX) Gross Expense Ratio BM: Russell Mid Cap Growth Index		15 15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30% 1258 N/A	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127 21% 1084 ****	-42 11.47% 124 24% 936 *** 13.02% 13.13% -11 11.47% 155 13% 936 ***	-8 5.59% 26 51% 679 *** 5.87% 5.93% -6 5.59% 28 44% 679 ***	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A N/A N/A N/A N/A N/A N/A N/A	-56 N/A N/A N/A N/A -1.28% -1.30% 2 N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A N/A N/A	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75% -17 50% 1244 N/A	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98 29% 1082 ***	13.24% 85 35% 935 *** 14.66% -11 13.24% 132 17% 935 ***	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27 43% 677 ***	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A N/A	
Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M'star Category FUnd vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category PG: # of funds in Large Value M'star Category FUND STAR Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index FUND Value M'star Category FUND VS. Large Value M'star Category PG: # of funds in Large Value M'star Category FUND VS. Large Value M'star Category FUND VS. Expense Ratio BM: FUND STAR RATING FUND STAR		15 15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30% 1258 N/A 14.78%	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127 21% 1084 **** 5.22%	11.47% 124 936 *** 13.02% 13.13% -11 11.47% 155 13% 936 **** 10.16%	-8 5.59% 26 51% 679 *** * 5.87% 5.93% -6 5.59% 28 44% 679 *** 7.62% 8.13%	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A N/A N/A N/A N/A N/A N/A 2.73%	-56 N/A N/A N/A N/A N/A -1.28% -1.30% 2 N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A N/A N/A 12.82%	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75% -17 50% 1244 N/A 16.09%	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98 1082 **** 7.21%	13.24% 85 35% 935 *** 14.66% 14.67% -11 13.24% 132 17% 935 ****	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27 43% 677 *** 7.21%	N/A N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A N/A N/A N/A 11.37%	12/4/201: 10/1/200:
Gross Expense Ratio BM: Russell 1000 Value Index PG: Large Value M*star Category Fund vs. Russell value M*star Category PG: Fund M* Rank in Large Value M*star Category PG: # of funds in Large Value M*star Category Fund vs. Large Nalue M*star Category PG: # of funds in Large Value M*star Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value M*star Category Fund vs. Large Value M*star Category PG: # of funds in Large Value M*star Category FG: # of funds in Large Value M*star Category Fund Star Rating TIAA-CREF MID-CAP GROWTH FUND (TCMHX) Gross Expense Ratio BM: Russell Mid Cap Growth Index Fund vs. Russell Mid Cap Growth Index Fund vs. Russell Mid Cap Growth Index Fund vs. Russell Mid Cap Growth M*star Category Fund vs. Mid-Cap Growth M*star Category		15 15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30% 1258 N/A 14.78% 14.07% 71 15.58% -80	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127 21% 1084 **** 5.22% 7.88% -6.66% -84	-42 11.47% 124 24% 936 *** 13.02% 13.13% -11 11.47% 155 13% 936 **** 10.16% 11.95% -179 10.30%	-8 5.59% 26 51% 679 *** ** 5.87% 5.93% -6 5.59% 28 44% 679 *** 7.62% 8.13% -51 7.12% 50	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A N/A N/A N/A 2.73% 2.39% 34 N/A N/A N/A	-56 N/A	N/A N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A N/A N/A 11.07% 175 N/A N/A N/A N/A	14.75% 69 38% 1244 N/A 14.58% -8 14.75% -17 50% 1244 N/A 16.09% 16.68% -59 16.48%	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98 29% 1082 **** 7.21% 8.83% -162 -162 -7.86% -65	13.24% 85 35% 935 *** 14.67% -11 13.24% 132 17% 935 *** 12.78%	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27 43% 6777 *** 7.21%	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A 11.37% 12.00% -63 N/A N/A	12/4/201: 10/1/200:
Gross Expense Ratio BM: Russell 1000 Value Index PG: Large Value Mstar Category Fund vs. Large Value Mstar Category PG: Fund % Ranks in Large Value Mstar Category PG: # of funds in Large Value Mstar Category Fund Star Rating TIAA-CREF LARGE-CAP VALUE INDEX FUND (THCVX) Gross Expense Ratio BM: Russell 1000 Value Index Fund vs. Russell 1000 Value Index Fund vs. Russell 1000 Value Index PG: Large Value Mstar Category Fund Star Rating Find vs. Large Value Mstar Category Fund vs. Large Value Mstar Category FG: # of funds in Large Value Mstar Category Fund Star Rating TIAA-CREF MID-CAP GROWTH FUND (TCMHX) Gross Expense Ratio BM: Russell Mid Cap Growth Index		15 15	284 17.44% 462 12% 1258 N/A 19.10% 19.22% -12 17.44% 166 30% 1258 N/A 14.78% 14.07% 71 15.58%	-64 7.32% 71 39% 1084 *** 8.59% 8.67% -8 7.32% 127 21% 1084 **** 5.22% 7.88% -666 6.06%	11.47% 124 24% 936 *** 13.02% 13.13% -11 11.47% 155 13% 936 **** 10.16%	-8 5.59% 26 51% 679 *** * 5.87% 5.93% -6 5.59% 28 44% 679 *** 7.62% 8.13% -51 7.12%	-49 N/A N/A N/A N/A N/A -0.11% -0.10% -1 N/A	-56 N/A N/A N/A N/A N/A -1.28% -1.30% 2 N/A N/A N/A N/A N/A N/A N/A N/A 1.72%	N/A N/A N/A N/A N/A N/A 2.94% 2.97% -3 N/A N/A N/A N/A N/A 12.82%	14.75% 69 38% 1244 N/A 14.58% 14.66% -8 14.75% -17 50% 1244 N/A 16.69%	6.65% 40 48% 1082 *** 7.63% 7.70% -7 6.65% 98 29% 1082 **** 7.21% 8.83% -162 7.86%	13.24% 85 35% 935 *** 14.66% 14.67% -11 13.24% 132 17% 935 *** 12.78% 14.55% -177 12.97%	4.82% 3 56% 677 *** 5.09% 5.15% -6 4.82% 27 43% 6777 *** 7.21% 7.65% -44 6.62%	N/A N/A N/A N/A N/A 9.34% 9.00% 34 N/A N/A N/A N/A N/A 11.37%	12/4/201 10/1/200

		_		Provious Ou	ertor End Bo	turno		_	_	Current Mo	nth End Bot	urno		_	_
			-		arter-End Re /g. Annual F					Current Mo	nth-End Ret		nuai keturns		=
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net		04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	Inc. Date							
FUND	05/31/17	(003)	03/31/17	03/31/17	03/31/17	03/31/17	03/31/1/	03/31/17	03/31/17	03/31/1/	03/31/17	03/31/17	05/31/17	03/31/17	Date
TIAA-CREF MID-CAP VALUE FUND (TRVHX)	\$5,159.30	49	18.65%	7.56%	12.29%	6.92%	0.21%	-0.46%	3.31%	14.28%	6.83%	13.73%	6.11%	12.01%	10/1/2002
Gross Expense Ratio		49													12/4/2015
BM: Russell Mid Cap Value Index			19.82%	8.94%	14.07%	7.47%	-0.31%	-0.85%	3.63%	15.27%	8.15%	15.63%	6.77%	12.00%	
Fund vs.Russell Mid Cap Value Index			-117	-138	-178	-55	52	39	-32	-99	-132	-190	-66	1	
PG: Mid-Cap Value M'star Category			18.86%	7.04%	12.02%	6.68%	N/A	N/A	N/A	14.61%	6.41%	13.75%	5.81%	N/A	
Fund vs. Mid-Cap Value M'star Category			-21	52	27	24	N/A	N/A	N/A	-33	42	-2	30	N/A	
PG: Fund % Rank in Mid-Cap Value M'star Category			56%	42%	46%	40%	N/A	N/A	N/A	50%	45%	58%	39%	N/A	
PG: # of funds in Mid-Cap Value M'star Category Fund Star Rating			398 N/A	341	301	212	N/A N/A	N/A N/A	N/A N/A	404 N/A	356	309	216	N/A N/A	
Fullu Stall Rating			IN/A	***	***	***	IN/A	IN/A	IN/A	IN/A	***	***	***	IN/A	
TIAA-CREF REAL ESTATE SECURITIES FUND (TIRHX)	\$2,092.50	62	2.82%	9.99%	9.32%	4.21%	0.84%	0.71%	4.68%	5.24%	8.71%	10.13%	4.43%	10.64%	10/1/2002
Gross Expense Ratio		62													12/4/2015
BM: FTSE NAREIT All Equity REITs Index			5.25%	10.56%	10.32%	4.97%	-0.13%	-1.27%	2.86%	5.09%	8.54%	10.80%	5.00%	11.00%	
Fund vs.FTSE NAREIT All Equity REITs Index			-243	-57	-100	-76	97	198	182	15	17	-67	-57	-36	
PG: Real Estate M'star Category			3.08%	9.01%	8.82%	4.04%	N/A	N/A	N/A	3.17%	6.97%	9.17%	3.99%	N/A	
Fund vs. Real Estate M'star Category			-26	98	50	17	N/A	N/A	N/A	207	174	96	44	N/A	
PG: Fund % Rank in Real Estate M'star Category			35%	18%	27%	46%	N/A	N/A	N/A	14%	7%	13%	36%	N/A	
PG: # of funds in Real Estate M'star Category Fund Star Rating			262 N/A	234	205	137	N/A N/A	N/A N/A	N/A N/A	260 N/A	232	203	142	N/A N/A	
Fullu Stal Rating			IN/A	****	***	***	IN/A	IN/A	IN/A	IN/A	****	****	***	IN/A	
TIAA-CREF S&P 500 INDEX FUND (TISAX)	\$4,204.60	15	17.05%	10.27%	13.21%	7.44%	1.39%	2.51%	8.57%	17.35%	10.03%	15.31%	6.87%	9.52%	10/1/2002
Gross Expense Ratio		15													12/4/2015
BM: S&P 500 Index			17.17%	10.37%	13.30%	7.51%	1.41%	2.57%	8.66%	17.47%	10.14%	15.42%	6.94%	10.00%	
Fund vs.S&P 500 Index			-12	-10	-9	-7	-2	-6	-9	-12	-11	-11	-7	-48	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star Category			108	213	147	92	N/A	N/A	N/A	130	195	132	89	N/A	
PG: Fund % Rank in Large Blend M'star Category			35%	8%	12%	21%	N/A	N/A	N/A	34%	11%	17%	22%	N/A	
PG: # of funds in Large Blend M'star Category			1404 N/A	1248	1113	822	N/A N/A	N/A N/A	N/A N/A	1383 N/A	1222	1081	798 ****	N/A N/A	
Fund Star Rating			IN/A	****	****	****	N/A	N/A	IN/A	N/A	****	****	****	N/A	
TIAA-CREF SMALL-CAP BLEND INDEX FUND (TRHBX)	\$2,222,20	15	26.40%	7.47%	12.60%	7.25%	-2.01%	-0.80%	1.53%	20.55%	8.24%	14.27%	6.54%	10.89%	10/1/2002
Gross Expense Ratio		15													12/4/2015
BM: Russell 2000 Index			26.22%	7.22%	12.35%	7.12%	-2.03%	-0.83%	1.48%	20.36%	8.00%	14.04%	6.40%	11.00%	
Fund vs.Russell 2000 Index			18	25	25	13	2	3	5	19	24	23	14	-11	
PG: Small Blend M'star Category			22.08%	5.98%	11.30%	6.60%	N/A	N/A	N/A	17.56%	6.32%	12.99%	5.73%	N/A	
Fund vs. Small Blend M'star Category			432	149	130	65	N/A	N/A	N/A	299	192	128	81	N/A	
PG: Fund % Rank in Small Blend M'star Category			13%	32%	32%	34%	N/A	N/A	N/A	18%	24%	33%	31%	N/A	
PG: # of funds in Small Blend M'star Category			757	625	537	377	N/A	N/A	N/A	773	645	545	389	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	****	***	***	N/A	
TIAA-CREF SMALL-CAP EQUITY FUND (TSCHX)	\$3,346.40	51	26.79%	9.17%	13.32%	7.33%	-2.35%	-2.15%	1.08%	21.49%	9.32%	15.02%	6.50%	11.02%	10/1/2002
Gross Expense Ratio	\$0,040.40	51	20.7070	0.1170	10.0270	7.0070	2.0070	2.1070	1.00 /0	21.4070	0.0270	10.0270	0.0070	11.02/0	12/4/2015
BM: Russell 2000 Index			26.22%	7.22%	12.35%	7.12%	-2.03%	-0.83%	1.48%	20.36%	8.00%	14.04%	6.40%	11.00%	
Fund vs.Russell 2000 Index			57	195	97	21	-32	-132	-40	113	132	98	10	2	
PG: Small Growth M'star Category			22.41%	5.34%	10.73%	7.31%	N/A	N/A	N/A	19.89%	7.79%	13.08%	6.76%	N/A	
Fund vs. Small Growth M'star Category			438	383	259	2	N/A	N/A	N/A	160	153	194	-26	N/A	
PG: Fund % Rank in Small Growth M'star Category			16%	11%	9%	53%	N/A	N/A	N/A	29%	30%	14%	61%	N/A	
PG: # of funds in Small Growth M'star Category			670	599	527	386	N/A	N/A	N/A	674	603	533	396	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
TIAA-CREF SMALL/MID-CAP EQUITY (TSMNX) ^[4]	\$593.70	60	N/A	N/A	N/A	N/A	-1.42%	-0.36%	3.45%	N/A	N/A	N/A	N/A	11.30%	8/5/2016
Gross Expense Ratio	4000 0	60					2./0	J.50 /g	00/6				1905	50 / 0	5.5.E010
BM: Russell 2500 Index							-1.12%	-0.43%	3.39%					10.72%	
Fund vs.Russell 2500 Index							-30	7	6					58	
PG: Small Blend M'star Category							N/A	N/A	N/A					N/A	
Fund vs. Small Blend M'star Category							N/A	N/A	N/A					N/A	
PG: Fund % Rank in Small Blend M'star Category							N/A	N/A	N/A					N/A	
PG: # of funds in Small Blend M'star Category							N/A	N/A	N/A					N/A	
Fund Star Rating							N/A	N/A	N/A					N/A	
TIAA-CREF SOCIAL CHOICE EQUITY FUND (TICHX)	\$2,591.80	28	17.31%	8.33%	12.21%	7.15%	1.37%	2.59%	7.88%	17.73%	8.32%	14.54%	6.67%	5.36%	7/1/1999
Gross Expense Ratio	ψ±,001.00	28	11.01/0	0.00/0	14.41/0	7.10/0	1.07 /6	2.03/0	7.00/0	11.13/0	0.02 /0	17.54/0	0.07 /0	0.00/0	12/4/2015
BM: Russell 3000 Index			18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	6.00%	
Fund vs.Russell 3000 Index			-76	-143	-97	-39	35	43	-8	4	-136	-72	-29	-64	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star Category			134	19	47	63	N/A	N/A	N/A	168	24	55	69	N/A	
PG: Fund % Rank in Large Blend M'star Category			30%	54%	47%	32%	N/A	N/A	N/A	23%	52%	46%	29%	N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF SOCIAL CHOICE LOW CARBON EQUITY FUND (TCCHX)	\$72.00	41	17.48%	N/A	N/A	N/A	1.31%	2.56%	8.21%	17.63%	N/A	N/A	N/A	10.58%	8/7/2015
Gross Expense Ratio	\$1 Z.UU	74	11.40%	IVA	N/A	NA	1.31%	2.00%	0.41%	17.03%	N/A	N/A	NA	10.36%	12/4/2015
BM: Russell 3000 Index		17	18.07%				1.02%	2.16%	7.96%	17.69%				10.00%	12/4/2013
Fund vs.Russell 3000 Index			-59				29	40	25	-6				58	
PG: Large Blend M'star Category			15.97%				N/A	N/A	N/A	16.05%				N/A	
			151				N/A	N/A	N/A	158				N/A	
Fund vs. Large Blend M'star Category			1				N/A	N/A	N/A	26%				N/A	
Pund vs. Large Blend M'star Category PG: Fund % Rank in Large Blend M'star Category			27%				IN/A	IN/A	IN/A	20%				14073	
			1404				N/A	N/A	N/A	1383				N/A	
PG: Fund % Rank in Large Blend M'star Category															

			F		arter-End Re					Current Mo	nth-End Ret	urns Avg. An	nuai Keturns		
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net Assets (in \$Mil.)	Exp. Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Global Equities															
TIAA-CREF GLOBAL NATURAL RESOURCES FUND (TNRHX)	\$39.70	85	26.50%	-3.68%	-2.64%	N/A	-4.32%	-9.82%	-11.31%	8.32%	-7.15%	-1.67%	N/A	-2.98%	11/1/20
Gross Expense Ratio	7	88													12/4/20
BM: MSCI AC World Index Commodity Producers Sec. Cap. Index			24.49%	-4.13%	-2.78%		-1.00%	-1.90%	0.97%	16.45%	-5.49%	-0.19%		-2.00%	
Fund vs.MSCI AC World Index Commodity Producers Sec. Cap. Index PG: Natural Resources M'star Category			201 20.83%	45 -4.60%	14 -0.79%		-332 N/A	-792 N/A	-1228 N/A	-813 9.50%	-166 -6.77%	-148 1.23%		-98 N/A	
Fund vs. Natural Resources M'star Category			567	92	-185		N/A	N/A	N/A	-118	-38	-290		N/A	
PG: Fund % Rank in Natural Resources M'star Category			12%	44%	52%		N/A	N/A	N/A	50%	45%	60%		N/A	
PG: # of funds in Natural Resources M'star Category			138	130	115		N/A	N/A	N/A	140	130	115		N/A	
fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
International Equities															
TIAA-CREF EMERGING MARKETS EQUITY FUND (TEMHX) Gross Expense Ratio	\$1,226.80	102	21.88%	0.32%	0.86%	N/A	1.92%	11.37%	23.84%	31.19%	1.23%	4.83%	N/A	2.55%	8/31/20 12/4/20
BM: MS Emerging Market			17.22%	1.18%	0.81%		2.96%	7.87%	17.25%	27.41%	1.62%	4.54%		3.00%	
und vs.MS Emerging Market			466	-86	5		-104	350	659	378	-39	29		-45	
PG: Diversified Emerging Mkts M'star Category			16.40%	0.71%	1.20%		N/A	N/A	N/A	23.72%	0.99%	4.68%		N/A	
Fund vs. Diversified Emerging Mkts M'star Category PG: Fund % Rank in Diversified Emerging Mkts M'star Category			548 13%	-39 63%	-34 57%		N/A N/A	N/A N/A	N/A N/A	747 8%	24 51%	15 44%		N/A N/A	
PG: # of funds in Diversified Emerging Mkts M'star Category			811	629	429		N/A	N/A	N/A	820	634	441		N/A	
rund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF EMERGING MARKETS EQUITY INDEX FUND (TEQHX)	\$2,018.60	32	17.45%	1.16%	0.64%	N/A	3.04%	8.14%	17.85%	27.57%	1.58%	4.37%	N/A	2.54%	8/31/20
Gross Expense Ratio		32			J.J-7/0	1000	3.5-7/6	J 7/0		2/9	/0	7.0. /0		2.0-7/0	12/4/20
BM: MS Emerging Market			17.22%	1.18%	0.81%		2.96%	7.87%	17.25%	27.41%	1.62%	4.54%		3.00%	
Fund vs.MS Emerging Market PG: Diversified Emerging Mkts M'star Category			23 16.40%	-2 0.71%	-17 1.20%		8 N/A	27 N/A	60 N/A	16 23.72%	-4 0.99%	-17 4.68%		-46 N/A	
Fund vs. Diversified Emerging Mkts Mistar Category			105	45	-56		N/A N/A	N/A	N/A N/A	385	59	-31		N/A N/A	
PG: Fund % Rank in Diversified Emerging Mkts M'star Category			45%	47%	61%		N/A	N/A	N/A	25%	43%	57%		N/A	
PG: # of funds in Diversified Emerging Mkts M'star Category			811	629	429		N/A	N/A	N/A	820	634	441		N/A	
und Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
IAA-CREF ENHANCED INTERNATIONAL EQUITY INDEX FUND (TEIEX)	\$1,739.80	51	10.69%	0.40%	6.46%	N/A	4.30%	10.86%	14.96%	16.06%	1.68%	10.78%	N/A	0.97%	11/30/2
Gross Expense Ratio BM: Morgan Stanley EAFE Index		51	11.67%	0.50%	5.83%		3.67%	9.23%	14.01%	16.44%	1.53%	10.21%		1.00%	12/4/20
und vs.Morgan Stanley EAFE Index			-98	-10	63		63	163	95	-38	1.55 /6	57		-3	
PG: Foreign Large Blend M'star Category			10.88%	0.40%	5.02%		N/A	N/A	N/A	15.99%	1.55%	9.04%		N/A	
Fund vs. Foreign Large Blend M'star Category			-19	0	144		N/A	N/A	N/A	7	13	174		N/A	
PG: Fund % Rank in Foreign Large Blend M'star Category			51%	54%	14%		N/A	N/A	N/A	47%	48%	13%		N/A	
PG: # of funds in Foreign Large Blend M'star Category Fund Star Rating			735 N/A	586 ***	525 ****		N/A N/A	N/A N/A	N/A N/A	734 N/A	592 ***	528 ****		N/A N/A	
TIAA-CREF INTERNATIONAL EQUITY FUND (TIEHX)	\$4,699.60	56	10.57%	-1.07%	6.43%	0.96%	2.80%	14.98%	18.34%	17.11%	1.83%	11.53%	1.19%	5.09%	7/1/199
Gross Expense Ratio		56													12/4/20
BM: Morgan Stanley EAFE Index			11.67%	0.50%	5.83%	1.05%	3.67%	9.23%	14.01%	16.44%	1.53%	10.21%	1.06%	4.00%	
Fund vs.Morgan Stanley EAFE Index PG: Foreign Large Growth M'star Category			-110 8.60%	-157 1.07%	60 5.49%	-9 1.90%	-87 N/A	575 N/A	433 N/A	67 15.29%	30 3.05%	132 9.65%	13 1.93%	109 N/A	
rund vs. Foreign Large Growth Mistar Category			197	-214	94	-94	N/A N/A	N/A	N/A N/A	182	-122	188	-74	N/A N/A	
PG: Fund % Rank in Foreign Large Growth M'star Category			28%	86%	29%	78%	N/A	N/A	N/A	33%	74%	14%	72%	N/A	
PG: # of funds in Foreign Large Growth M'star Category			400	324	276	191	N/A	N/A	N/A	400	323	272	193	N/A	
Fund Star Rating			N/A	*	***	*	N/A	N/A	N/A	N/A	**	****	*	N/A	
TIAA-CREF INTERNATIONAL EQUITY INDEX FUND (TCIHX)	\$10,188.80	15	12.21%	0.62%	5.96%	1.19%	3.55%	9.60%	14.56%	16.82%	1.60%	10.29%	1.20%	8.10%	10/1/20
BM: Morgan Stanley EAFE Index		15	11.67%	0.50%	5.83%	1.05%	3.67%	9.23%	14.01%	16.44%	1.53%	10.21%	1.06%	8.00%	12/4/20
Fund vs.Morgan Stanley EAFE Index			54	12	13	14	-12	37	55	38	7	8	14	10	
PG: Foreign Large Blend M'star Category			10.88%	0.40%	5.02%	0.96%	N/A	N/A	N/A	15.99%	1.55%	9.04%	0.99%	N/A	
und vs. Foreign Large Blend M'star Category PG: Fund % Rank in Foreign Large Blend M'star Category			133 31%	22 46%	94 24%	23 36%	N/A N/A	N/A N/A	N/A N/A	83 35%	5 48%	125 21%	21 37%	N/A N/A	
PG: # of funds in Foreign Large Blend M'star Category			735	586	525	30%	N/A	N/A	N/A	734	592	528	339	N/A	
und Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
TIAN CREE INTERNATIONAL ORDORTHWITTER FUND (TIOLY)	\$4 245 40	72	11.08%	0.46%	N/A	N/A	3.35%	10.05%	47 200/	47 200/	2 479/	N/A	N/A	4.91%	4/12/20
TIAA-CREF INTERNATIONAL OPPORTUNITIES FUND (TIOHX) Gross Expense Ratio	\$1,345.40	72 72	11.08%	0.40%	N/A	N/A	3.35%	10.05%	17.20%	17.29%	3.17%	N/A	N/A	4.91%	12/4/20
M: MSCI AC World Index ex USA			13.13%	0.56%			3.24%	8.13%	13.74%	18.24%	1.26%			4.00%	
und vs.MSCI AC World Index ex USA			-205	-10			11	192	346	-95	191			91	
'G: Foreign Large Growth M'star Category			8.60%	1.07%			N/A	N/A	N/A	15.29%	3.05%			N/A	
und vs. Foreign Large Growth M'star Category PG: Fund % Rank in Foreign Large Growth M'star Category			248 24%	-61 63%			N/A N/A	N/A N/A	N/A N/A	200 31%	12 44%			N/A N/A	
PG: # of funds in Foreign Large Growth Mistar Category			400	324			N/A	N/A N/A	N/A N/A	400	323			N/A N/A	
fund Star Rating			N/A	***			N/A	N/A	N/A	N/A	***			N/A	
TIAA-CREF INTERNATIONAL SMALL-CAP EQUITY FUND (TAISX)	\$870.70	81	N/A	N/A	N/A	N/A	3.57%	9.24%	17.19%	N/A	N/A	N/A	N/A	16.01%	12/9/20
Gross Expense Ratio		81					2.710/	7.000/	15 000/					45 700/	
M: MSCI ACWI ex-US Small Cap Index							2.71% 86	7.99% 125	15.08% 211					15.78% 23	
Fund vs.MSCI ACWI ex-US Small Cap Index PG: Foreign Small/Mid Blend M'star Category							86 N/A	125 N/A	211 N/A					23 N/A	
			ĺ				N/A	N/A	N/A					N/A	
fund vs. Foreign Small/Mid Blend M'star Category															
							N/A	N/A	N/A					N/A	
Fund vs. Foreign Small/Mid Blend M'star Category PG: Fund % Rank in Foreign Small/Mid Blend M'star Category PG: # of funds in Foreign Small/Mid Blend M'star Category							N/A N/A N/A	N/A N/A N/A	N/A N/A					N/A N/A N/A	

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			Р		arter-End Re vg. Annuai R					Current Mor	nth-End Retu		nuai keturns		_
		_	1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net Assets (in \$Mil.)	Exp. Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception	Inc.
FUND	05/31/17	(bps) [2]		03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF SOCIAL CHOICE INTERNATIONAL EQUITY FUND (TSOHX)	\$35.50	48	11.81%	N/A	N/A	N/A	2.95%	9.40%	14.18%	15.32%	N/A	N/A	N/A	4.36%	8/7/2015
Gross Expense Ratio BM: Morgan Stanley EAFE Index		143	11.67%				3.67%	9.23%	14.01%	16.44%				4.00%	12/4/2015
Fund vs.Morgan Stanley EAFE Index			14				-72	17	17	-112				36	
PG: Foreign Large Blend M'star Category			10.88%				N/A	N/A	N/A	15.99%				N/A	
Fund vs. Foreign Large Blend M'star Category			93				N/A	N/A	N/A	-67				N/A	
PG: Fund % Rank in Foreign Large Blend M'star Category PG: # of funds in Foreign Large Blend M'star Category			38% 735				N/A N/A	N/A N/A	N/A N/A	59% 734				N/A N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
·															
Fixed Income															
TIAA-CREF BOND FUND (TIBHX)	\$4,120.80	41	2.28%	3.28%	3.30%	4.58%	0.71%	1.65%	2.81%	3.07%	3.13%	3.37%	4.78%	5.28%	7/1/1999
Gross Expense Ratio	ψ 4 ,120.00	41	2.20%	3.20 /6	3.30 /6	4.5076	0.7176	1.0376	2.0176	3.07 /6	3.1376	3.37 /6	4.70%	3.20 /6	12/4/2015
BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44%	2.68%	2.34%	4.27%	0.77%	1.49%	2.38%	1.58%	2.53%	2.24%	4.46%	5.00%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			184	60	96	31	-6	16	43	149	60	113	32	28	
PG: Intermediate-Term Bond M'star Category			1.74%	2.41% 87	2.52% 78	4.06% 52	N/A N/A	N/A N/A	N/A N/A	2.59%	2.28% 85	2.52% 85	4.26% 52	N/A N/A	
Fund vs. Intermediate-Term Bond M'star Category PG: Fund % Rank in Intermediate-Term Bond M'star Category			33%	10%	78 17%	31%	N/A N/A	N/A N/A	N/A N/A	48 31%	9%	15%	30%	N/A N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750	538	N/A	N/A	N/A	978	856	757	539	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF BOND INDEX FUND (TBIAX) Gross Expense Ratio	\$7,963.60	22	0.22%	2.61%	2.18%	N/A	0.65%	1.42%	2.28%	1.37%	2.39%	2.07%	N/A	3.50%	9/14/2009 12/4/2015
BM: Bloomberg Barclays U.S. Aggregate Bond Index		22	0.44%	2.68%	2.34%		0.77%	1.49%	2.38%	1.58%	2.53%	2.24%		4.00%	12/4/2015
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			-22	-7	-16		-12	-7	-10	-21	-14	-17		-50	
PG: Intermediate-Term Bond M'star Category			1.74%	2.41%	2.52%		N/A	N/A	N/A	2.59%	2.28%	2.52%		N/A	
Fund vs. Intermediate-Term Bond M'star Category			-152	20	-34		N/A	N/A	N/A	-122	11	-45		N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			83%	42%	69%		N/A	N/A	N/A	81%	46%	72%		N/A	
PG: # of funds in Intermediate-Term Bond M'star Category Fund Star Rating			972 N/A	851 ***	750 **		N/A N/A	N/A N/A	N/A N/A	978 N/A	856 ***	757 **		N/A N/A	
Total State Hading														1071	
TIAA-CREF BOND PLUS FUND (TCBHX)	\$3,672.10	41	2.98%	3.40%	3.60%	4.62%	0.71%	1.66%	3.04%	3.61%	3.28%	3.65%	4.82%	4.86%	3/31/2006
Gross Expense Ratio		41													12/4/2015
BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44% 254	2.68%	2.34%	4.27%	0.77% -6	1.49%	2.38%	1.58%	2.53%	2.24%	4.46%	5.00%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index PG: Intermediate-Term Bond M'star Category			1.74%	72 2.41%	126 2.52%	35 4.06%	N/A	17 N/A	66 N/A	203 2.59%	75 2.28%	141 2.52%	36 4.26%	-14 N/A	
Fund vs. Intermediate-Term Bond M'star Category			124	99	108	56	N/A	N/A	N/A	102	100	113	56	N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			20%	8%	9%	29%	N/A	N/A	N/A	20%	7%	9%	28%	N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750	538	N/A	N/A	N/A	978	856	757	539	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF EMERGING MARKETS DEBT FUND (TEDHX)	\$319.00	75	13.65%	N/A	N/A	N/A	0.98%	3.58%	8.08%	14.26%	N/A	N/A	N/A	5.86%	9/26/2014
Gross Expense Ratio	4313.00	78	13.0376	- IVA	- N/A	N/A	0.3076	3.30 /6	0.0076	14.20%	- IVA	- N/A	- IVA	3.00 /6	12/4/2015
BM: JPMorgan EMBI Global Diversified Index			8.92%				0.88%	2.77%	6.34%	9.77%				6.00%	
Fund vs.JPMorgan EMBI Global Diversified Index			473				10	81	174	449				-14	
PG: Emerging Markets Bond M'star Category			10.20%				N/A	N/A	N/A	10.89%				N/A	
Fund vs. Emerging Markets Bond M'star Category PG: Fund % Rank in Emerging Markets Bond M'star Category			345 16%				N/A N/A	N/A N/A	N/A N/A	337 13%				N/A N/A	
PG: # of funds in Emerging Markets Bond M'star Category			278				N/A	N/A	N/A	282				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
TIAA-CREF HIGH YIELD FUND (TIHHX) Gross Expense Ratio	\$3,700.60	46	15.17%	4.25%	6.30%	7.07%	0.62%	1.29%	3.46%	12.68%	4.29%	6.69%	7.06%	7.33%	12/4/2015
BM: BofA ML BB-B Cash Pay Issuer Constrained Index (New)		70	13.78%	4.65%	6.60%	6.92%	0.82%	1.90%	4.38%	11.97%	4.78%	7.03%	6.95%	7.00%	121412013
Fund vs.BofA ML BB-B Cash Pay Issuer Constrained Index (New)			139	-40	-30	15	-20	-61	-92	71	-49	-34	11	33	
PG: High Yield Bond M'star Category			13.52%	3.15%	5.56%	5.86%	N/A	N/A	N/A	11.53%	3.27%	6.09%	5.85%	N/A	
Fund vs. High Yield Bond M'star Category			165	110	74	121	N/A	N/A	N/A	115	102	60	121	N/A	
PG: Fund % Rank in High Yield Bond M'star Category PG: # of funds in High Yield Bond M'star Category			32% 697	17% 596	21% 471	9% 318	N/A N/A	N/A N/A	N/A N/A	33% 686	21% 591	27% 468	10% 317	N/A N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	***	****	N/A	
·															
TIAA-CREF INFLATION-LINKED BOND FUND (TIIHX) ^[5]	\$2,585.00	36	1.08%	1.46%	0.54%	3.83%	0.00%	0.35%	1.32%	1.87%	0.47%	-0.10%	3.93%	4.17%	10/1/2002
Gross Expense Ratio BM: Bloomberg Barclays US TIPS 1-10 Year Index		36	1 450/	1 469/	0.630/	3.59%	-0.05%	0.469/	1.459/	2 470/	0.740/	0.220/	3 660/	4.000/	12/4/2015
BM: Bloomberg Barclays US TIPS 1-10 Year Index Fund vs.Bloomberg Barclays US TIPS 1-10 Year Index			1.45% -37	1.46% 0	0.62% -8	3.59% 24	-0.05% 5	0.46% -11	1.45% -13	2.17% -30	0.71% -24	0.37% -47	3.66% 27	4.00% 17	
PG: Inflation-Protected Bond M'star Category			2.13%	1.17%	0.40%	3.30%	N/A	N/A	N/A	2.68%	0.37%	-0.08%	3.42%	N/A	
Fund vs. Inflation-Protected Bond M'star Category			-105	29	14	53	N/A	N/A	N/A	-81	10	-2	51	N/A	
PG: Fund % Rank in Inflation-Protected Bond M'star Category			77%	32%	42%	33%	N/A	N/A	N/A	70%	42%	51%	33%	N/A	
PG: # of funds in Inflation-Protected Bond M'star Category			237	195	165	108	N/A	N/A	N/A	235	202	172	112	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF INTERNATIONAL BOND FUND (TIBNX) ^{4]}	\$282.80	75	N/A	N/A	N/A	N/A	0.62%	1.74%	2.81%	N/A	N/A	N/A	N/A	-0.10%	8/5/2016
Gross Expense Ratio		79						-							
BM: Bloomberg Barclays Global Aggregate ex-USD							0.43%	0.97%	1.09%					-0.59%	
Fund vs.Bloomberg Barclays Global Aggregate ex-USD			1				19	77	172					49	
PG: World Bond M'star Category Fund vs. World Bond M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
			1				1								
PG: Fund % Rank in World Bond M'star Category							N/A	N/A	N/A					N/A	
							N/A N/A	N/A N/A	N/A N/A					N/A N/A	

		_	F	Previous Qu	arter-End Re	turns		_	_	Current Mo	nth-End Retu	ırns	_	_	_
					vg. Annuai R	eturns	1 Month	3 Month			3 Year	Avg. An	nual Keturns	Cinco	=
	Total Portfolio Net	Exp.	1 Year 04/01/16	04/01/14	5 Year 04/01/12	10 Year 04/01/07	1 Month 05/01/17	03/01/17	YTD 01/01/17	1 Year 06/01/16	06/01/14	5 Year 06/01/12	10 Year 06/01/07	Since Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF SHORT-TERM BOND FUND (TCTHX)	\$1,865.30	37	1.94%	1.38%	1.50%	2.81%	0.24%	0.76%	1.21%	2.06%	1.38%	1.52%	2.85%	3.04%	3/31/2006
Gross Expense Ratio		37	0.740/	0.000/	0.000/	0.040/	0.470/	0.400/	0.700/	0.000/	0.050/	0.000/	0.050/	0.000/	12/4/2015
BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index Fund vs.Bloomberg Barclays US 1-3 Yr Govt Credit Index			0.71% 123	0.96% 42	0.93% 57	2.34% 47	0.17% 7	0.40% 36	0.76% 45	0.99% 107	0.95% 43	0.96% 56	2.35% 50	3.00% 4	
PG: Short-Term Bond M'star Category			1.66%	1.06%	1.29%	2.41%	N/A	N/A	N/A	1.93%	1.11%	1.36%	2.49%	N/A	
Fund vs. Short-Term Bond M'star Category			28 30%	32 30%	21 37%	40 32%	N/A	N/A N/A	N/A	13 33%	27	16 37%	36 34%	N/A	
PG: Fund % Rank in Short-Term Bond M'star Category PG: # of funds in Short-Term Bond M'star Category			516	30% 444	359	32% 257	N/A N/A	N/A N/A	N/A N/A	519	31% 451	37%	263	N/A N/A	
Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF SHORT-TERM BOND INDEX FUND (TTBHX)	\$196.00	22	0.44%	N/A	N/A	N/A	0.11%	0.40%	0.68%	0.81%	N/A	N/A	N/A	0.85%	8/7/2015
Gross Expense Ratio	¥100.00	44	0.4470				0.1170	0.4070	0.0070	0.0170				0.0070	12/4/2015
BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index			0.71%				0.17%	0.40%	0.76%	0.99%				1.00%	
Fund vs.Bloomberg Barclays US 1-3 Yr Govt Credit Index PG: Short-Term Bond M'star Category			-27 1.66%				-6 N/A	0 N/A	-8 N/A	-18 1.93%				-15 N/A	
Fund vs. Short-Term Bond M'star Category			-122				N/A	N/A	N/A	-112				N/A	
PG: Fund % Rank in Short-Term Bond M'star Category			80%				N/A	N/A	N/A	85%				N/A	
PG: # of funds in Short-Term Bond M'star Category Fund Star Rating			516 N/A				N/A N/A	N/A N/A	N/A N/A	519 N/A				N/A N/A	
•															
TIAA-CREF SOCIAL CHOICE BOND FUND (TSBHX)	\$1,218.80	50	1.68%	3.78%	N/A	N/A	0.77%	1.59%	2.80%	2.50%	3.39%	N/A	N/A	3.32%	9/21/2012
Gross Expense Ratio BM: Bloomberg Barclays U.S. Aggregate Bond Index		50	0.44%	2.68%			0.77%	1.49%	2.38%	1.58%	2.53%			2.00%	12/4/2015
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			124	110			0	10	42	92	86			132	
PG: Intermediate-Term Bond M'star Category Fund vs. Intermediate-Term Bond M'star Category			1.74% -6	2.41% 137			N/A N/A	N/A N/A	N/A N/A	2.59% -9	2.28% 111			N/A N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			45%	4%			N/A	N/A	N/A	48%	5%			N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851			N/A	N/A	N/A	978	856			N/A	
Fund Star Rating			N/A	****			N/A	N/A	N/A	N/A	****			N/A	
TIAA-CREF TAX-EXEMPT BOND FUND (TIXHX)	\$286.10	42	-0.63%	2.69%	2.26%	3.78%	1.34%	2.51%	3.71%	0.71%	2.62%	2.23%	4.05%	4.08%	3/31/2006
Gross Expense Ratio		42													12/4/2015
BM: Bloomberg Barclays 10-Year Municipal Bond Index Fund vs.Bloomberg Barclays 10-Year Municipal Bond Index			-0.24% -39	3.60% -91	3.35% -109	4.81% -103	1.79% -45	3.10% -59	4.59% -88	1.68% -97	3.66% -104	3.45% -122	5.12% -107	5.00% -92	
PG: Muni National Interm M'star Category			-0.31%	2.71%	2.57%	3.48%	N/A	N/A	N/A	0.89%	2.62%	2.58%	3.65%	N/A	
Fund vs. Muni National Interm M'star Category			-32	-2	-31	30	N/A	N/A	N/A	-18	0	-35	40	N/A	
PG: Fund % Rank in Muni National Interm M'star Category PG: # of funds in Muni National Interm M'star Category			67% 286	49% 256	69% 224	32% 150	N/A N/A	N/A N/A	N/A N/A	64% 291	47% 264	72% 227	26% 154	N/A N/A	
Fund Star Rating			N/A	***	**	***	N/A	N/A	N/A	N/A	***	**	***	N/A	
Multi-Asset															
TIAA-CREF LIFECYCLE 2010 FUND (TCLHX)	\$1,224.00	45	8.78%	4.37%	6.11%	4.71%	1.06%	2.96%	6.20%	9.57%	4.58%	7.40%	4.59%	5.67%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2010 Fund Composite Index		57	7.43%	4.49%	6.04%	4.81%	1.03%	2.35%	5.29%	8.50%	4.40%	7.12%	4.65%	6.00%	12/4/2015
Fund vs.Lifecycle 2010 Fund Composite Index			135	-12	7	-10	3	61	91	107	18	28	-6	-33	
PG: Target-Date 2000-2010 M'star Category			7.24%	3.60%	5.20%	3.87% 84	N/A N/A	N/A	N/A	8.03%	3.56%	6.28%	3.69%	N/A	
Fund vs. Target-Date 2000-2010 M'star Category PG: Fund % Rank in Target-Date 2000-2010 M'star Category			154 14%	77 14%	91 12%	12%	N/A N/A	N/A N/A	N/A N/A	154 11%	102 5%	112 8%	90 7%	N/A N/A	
PG: # of funds in Target-Date 2000-2010 M'star Category			112	87	69	46	N/A	N/A	N/A	111	89	69	48	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2015 FUND (TCNHX)	\$1,926.30	46	9.54%	4.61%	6.60%	4.74%	1.12%	3.11%	6.64%	10.38%	4.87%	8.10%	4.56%	5.87%	10/15/2004
Gross Expense Ratio		58													12/4/2015
BM: Lifecycle 2015 Fund Composite Index Fund vs.Lifecycle 2015 Fund Composite Index			8.22% 132	4.76% -15	6.59% 1	4.83% -9	1.11%	2.52% 59	5.71% 93	9.32% 106	4.71% 16	7.86% 24	4.62% -6	6.00% -13	
PG: Target-Date 2015 M'star Category			8.01%	3.74%	5.80%	4.30%	N/A	N/A	N/A	8.84%	3.72%	7.09%	4.02%	N/A	
Fund vs. Target-Date 2015 M'star Category			153	87	80	44	N/A	N/A	N/A	154	115	101	54	N/A	
PG: Fund % Rank in Target-Date 2015 M'star Category PG: # of funds in Target-Date 2015 M'star Category			16% 135	19% 96	19% 71	17% 31	N/A N/A	N/A N/A	N/A N/A	15% 135	7% 99	16% 71	16% 33	N/A N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	***	****	N/A	
TIAA-CREF LIFECYCLE 2020 FUND (TCWHX)	62 554 50	40	40.040/	4.049/	7 070/	4 770/	4.400/	2.440/	7.200/	44 500/	F 050/	0.000/	4.500/	C 049/	40/45/2004
Gross Expense Ratio	\$3,554.50	48 60	10.64%	4.91%	7.27%	4.77%	1.19%	3.44%	7.36%	11.56%	5.25%	8.99%	4.56%	6.04%	10/15/2004 12/4/2015
BM: Lifecycle 2020 Fund Composite Index			9.36%	5.12%	7.29%	4.90%	1.20%	2.73%	6.28%	10.49%	5.10%	8.79%	4.65%	6.00%	
Fund vs.Lifecycle 2020 Fund Composite Index P.G: Tarret-Date 2020 Mister Category			128 8.54%	-21 3.82%	-2 5.72%	-13 3.90%	-1 N/A	71 N/A	108 N/A	107 9.33%	15 3.86%	20 7.03%	-9 3.65%	4 N/A	
PG: Target-Date 2020 M'star Category Fund vs. Target-Date 2020 M'star Category			210	109	155	3.90% 87	N/A	N/A N/A	N/A N/A	223	139	196	91	N/A	
PG: Fund % Rank in Target-Date 2020 M'star Category			12%	11%	10%	14%	N/A	N/A	N/A	14%	5%	9%	14%	N/A	
PG: # of funds in Target-Date 2020 M'star Category Fund Star Rating			225 N/A	181	147 ****	79 ****	N/A N/A	N/A N/A	N/A N/A	231 N/A	183	148	82 ****	N/A N/A	
reading															
TIAA-CREF LIFECYCLE 2025 FUND (TCQHX)	\$3,868.70	49	11.76%	5.16%	7.88%	4.78%	1.37%	3.82%	8.17%	12.86%	5.63%	9.89%	4.58%	6.21%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2025 Fund Composite Index		61	10.65%	5.51%	8.02%	4.97%	1.30%	2.97%	6.92%	11.81%	5.53%	9.75%	4.69%	6.00%	12/4/2015
Fund vs.Lifecycle 2025 Fund Composite Index			111	-35	-14	-19	7	85	125	105	10	14	-11	21	
PG: Target-Date 2025 M'star Category			10.10% 166	4.31% 85	6.77%	4.36%	N/A N/A	N/A N/A	N/A	11.13%	4.46%	8.45%	4.07%	N/A N/A	
Fund vs. Target-Date 2025 M'star Category PG: Fund % Rank in Target-Date 2025 M'star Category			15%	85 19%	111 16%	42 33%	N/A N/A	N/A N/A	N/A N/A	173 16%	117 6%	144 14%	51 29%	N/A N/A	
PG: # of funds in Target-Date 2025 M'star Category			199	154	114	41	N/A	N/A	N/A	199	157	115	46	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	

			F	Previous Qua	arter-End Re	turns		_	_	Current Mo	nth-End Reti	ırns	_	_	_
			1 Year	3 Year	vg. Annuar R 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	Avg. An 5 Year	nuai Keturns 10 Year	Since	=
	Total Portfolio Net		04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	Inc. Date
TIAA CREE LIFECYCLE 2020 FINID (TCUIN)	£2.702.50		42.05%	F 420/	0.400/	4 770/	4 470/	4 220/	0.040/	44.459/	C 000/	40.75%	4.540/	C 249/	40/45/200
TIAA-CREF LIFECYCLE 2030 FUND (TCHHX) Gross Expense Ratio	\$3,762.50	50	12.95%	5.43%	8.48%	4.77%	1.47%	4.23%	8.84%	14.15%	6.00%	10.75%	4.54%	6.31%	10/15/2004 12/4/2015
BM: Lifecycle 2030 Fund Composite Index			11.94%	5.89%	8.72%	5.03%	1.40%	3.21%	7.57%	13.15%	5.95%	10.70%	4.72%	7.00%	
Fund vs.Lifecycle 2030 Fund Composite Index PG: Target-Date 2030 M'star Category			101 11.49%	-46 4.65%	-24 7.12%	-26 4.21%	7 N/A	102 N/A	127 N/A	100 12.44%	5 4.81%	5 8.99%	-18 3.87%	-69 N/A	
Fund vs. Target-Date 2030 Mistar Category			146	78	136	4.21% 56	N/A N/A	N/A	N/A	171	119	176	67	N/A	
PG: Fund % Rank in Target-Date 2030 M'star Category			13%	20%	13%	27%	N/A	N/A	N/A	12%	9%	11%	25%	N/A	
PG: # of funds in Target-Date 2030 M'star Category Fund Star Rating			225 N/A	181	147 ****	79 ***	N/A N/A	N/A N/A	N/A N/A	231 N/A	183	148	82 ***	N/A N/A	
•								1471		1471				1071	
TIAA-CREF LIFECYCLE 2035 FUND (TCYHX) Gross Expense Ratio	\$3,794.50	51	14.19%	5.68%	9.01%	4.94%	1.56%	4.40%	9.44%	15.24%	6.27%	11.50%	4.69%	6.59%	10/15/2004 12/4/2015
BM: Lifecycle 2035 Fund Composite Index		00	13.27%	6.20%	9.37%	5.27%	1.48%	3.42%	8.18%	14.50%	6.30%	11.59%	4.94%	7.00%	12/1/2010
Fund vs.Lifecycle 2035 Fund Composite Index			92	-52	-36	-33	8	98	126	74	-3	-9	-25	-41	
PG: Target-Date 2035 M'star Category Fund vs. Target-Date 2035 M'star Category			12.76% 143	5.00% 68	7.91% 110	4.71% 23	N/A N/A	N/A N/A	N/A N/A	14.00% 124	5.26% 101	10.07% 143	4.34% 35	N/A N/A	
PG: Fund % Rank in Target-Date 2035 M'star Category			13%	23%	15%	38%	N/A	N/A	N/A	19%	12%	11%	31%	N/A	
PG: # of funds in Target-Date 2035 M'star Category			199	154	114	41	N/A	N/A	N/A	199	157	115	46	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF LIFECYCLE 2040 FUND (TCZHX)	\$4,726.60	52	15.38%	5.88%	9.39%	5.18%	1.65%	4.69%	10.18%	16.52%	6.54%	12.01%	4.91%	6.93%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2040 Fund Composite Index		63	14.62%	6.50%	9.84%	5.52%	1.55%	3.61%	8.78%	15.87%	6.63%	12.16%	5.19%	7.00%	12/4/2015
Fund vs.Lifecycle 2040 Fund Composite Index			76	-62	9.84% -45	-34	1.55%	108	140	15.87%	-9	12.16% -15	-28	7.00% -7	
PG: Target-Date 2040 M'star Category			13.47%	5.14%	7.96%	4.43%	N/A	N/A	N/A	14.58%	5.38%	10.18%	4.07%	N/A	
Fund vs. Target-Date 2040 M'star Category			191	74	143	75	N/A	N/A	N/A	194	116	183	84	N/A	
PG: Fund % Rank in Target-Date 2040 M'star Category PG: # of funds in Target-Date 2040 M'star Category			8% 225	19% 181	11% 147	26% 79	N/A N/A	N/A N/A	N/A N/A	10% 231	9% 183	8% 148	21% 82	N/A N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2045 FUND (TTFHX)	\$2,254.70	53	15.84%	6.01%	9.47%	N/A	1.65%	4.83%	10.45%	17.05%	6.69%	12.10%	N/A	4.99%	11/30/2007
Gross Expense Ratio		65													12/4/2015
BM: Lifecycle 2045 Fund Composite Index			15.14% 70	6.68% -67	9.95%		1.58%	3.70%	9.03%	16.41% 64	6.83% -14	12.29% -19		6.00%	
Fund vs.Lifecycle 2045 Fund Composite Index PG: Target-Date 2045 M'star Category			13.97%	-67 5.31%	-48 8.44%		/ N/A	113 N/A	142 N/A	15.33%	-14 5.62%	-19 10.80%		-101 N/A	
Fund vs. Target-Date 2045 M'star Category			187	70	103		N/A	N/A	N/A	172	107	130		N/A	
PG: Fund % Rank in Target-Date 2045 M'star Category			4%	14%	8%		N/A	N/A	N/A	6%	7%	7%		N/A	
PG: # of funds in Target-Date 2045 M'star Category Fund Star Rating			199 N/A	154	113		N/A N/A	N/A N/A	N/A N/A	199 N/A	157	114		N/A N/A	
- and star rating															
TIAA-CREF LIFECYCLE 2050 FUND (TFTHX) Gross Expense Ratio	\$1,423.60	53	15.97%	6.07%	9.48%	N/A	1.73%	4.90%	10.62%	17.27%	6.77%	12.14%	N/A	4.99%	11/30/2007 12/4/2015
BM: Lifecycle 2050 Fund Composite Index		00	15.35%	6.77%	10.00%		1.60%	3.73%	9.13%	16.63%	6.92%	12.35%		6.00%	12/4/2015
Fund vs.Lifecycle 2050 Fund Composite Index			62	-70	-52		13	117	149	64	-15	-21		-101	
PG: Target-Date 2050 M'star Category			14.15% 182	5.37%	8.32%		N/A	N/A	N/A	15.28%	5.63%	10.65%		N/A	
Fund vs. Target-Date 2050 M'star Category PG: Fund % Rank in Target-Date 2050 M'star Category			4%	70 15%	116 8%		N/A N/A	N/A N/A	N/A N/A	199 4%	114 5%	149 6%		N/A N/A	
PG: # of funds in Target-Date 2050 M'star Category			217	173	136		N/A	N/A	N/A	224	175	137		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE 2055 FUND (TTRHX)	\$366.70	53	16.14%	6.13%	9.55%	N/A	1.68%	4.97%	10.64%	17.41%	6.88%	12.19%	N/A	8.38%	4/29/2011
Gross Expense Ratio		72													12/4/2015
BM: Lifecycle 2055 Fund Composite Index Fund vs.Lifecycle 2055 Fund Composite Index			15.56% 58	6.85% -72	10.06% -51		1.61% 7	3.76% 121	9.22% 142	16.84% 57	7.01% -13	12.41% -22		9.00% -62	
PG: Target-Date 2055 M'star Category			14.22%	5.50%	8.76%		N/A	N/A	N/A	15.60%	5.80%	11.21%		N/A	
Fund vs. Target-Date 2055 M'star Category			192	63	79		N/A	N/A	N/A	181	108	98		N/A	
PG: Fund % Rank in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category			2% 197	17% 141	13% 86		N/A N/A	N/A N/A	N/A N/A	4% 197	5% 144	7% 86		N/A N/A	
Fund Star Rating			N/A	****	***		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA ODEE LIEFOVOLE 2000 FUND (TLVIIV)	\$36.50	53	16.31%	N/A	N/A	N/A	4 000/	4.95%	40.049/	47 500/	N/A	N/A	N/A	7.58%	9/26/2014
TIAA-CREF LIFECYCLE 2060 FUND (TLXHX) Gross Expense Ratio	\$36.50	168	16.31%	N/A	N/A	N/A	1.69%	4.95%	10.64%	17.50%	N/A	N/A	N/A	7.50%	12/4/2015
BM: Lifecycle 2060 Fund Composite Index			15.78%				1.62%	3.79%	9.32%	17.06%				8.00%	
Fund vs.Lifecycle 2060 Fund Composite Index PG: Target-Date 2060+ M'star Category			53 14.41%				7 N/A	116 N/A	132 N/A	44 15.78%				-42 N/A	
Fund vs. Target-Date 2000+ M'star Category			190				N/A	N/A	N/A	172				N/A	
PG: Fund % Rank in Target-Date 2060+ M'star Category			1%				N/A	N/A	N/A	5%				N/A	
PG: # of funds in Target-Date 2060+ M'star Category Fund Star Rating			135 N/A				N/A N/A	N/A N/A	N/A N/A	134 N/A				N/A N/A	
Fully Stall Ratility			IN/A				IN/A	IN/A	N/A	N/A				N/A	
TIAA-CREF LIFECYCLE INDEX 2010 FUND (TLTHX) Gross Expense Patin	\$295.30	18 35	7.31%	4.37%	5.80%	N/A	1.04%	2.46%	5.42%	8.38%	4.25%	6.89%	N/A	6.98%	9/30/2009 12/4/2015
Gross Expense Ratio BM: Lifecycle Index 2010 Composite Benchmark		30	7.41%	4.60%	6.14%		1.07%	2.45%	5.40%	8.57%	4.49%	7.21%		7.00%	12/4/2015
Fund vs.Lifecycle Index 2010 Composite Benchmark			-10	-23	-34		-3	1	2	-19	-24	-32		-2	
PG: Target-Date 2000-2010 M'star Category			7.24%	3.60% 77	5.20% 60		N/A N/A	N/A	N/A N/A	8.03%	3.56%	6.28%		N/A N/A	
Fund vs. Target-Date 2000-2010 M'star Category PG: Fund % Rank in Target-Date 2000-2010 M'star Category			7 54%	9%	19%		N/A N/A	N/A N/A	N/A N/A	35 42%	69 12%	61 25%		N/A N/A	
PG: # of funds in Target-Date 2000-2010 M'star Category			112	87	69		N/A	N/A	N/A	111	89	69		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2015 FUND (TLFAX)	\$566.10	18	8.16%	4.63%	6.34%	N/A	1.13%	2.64%	5.87%	9.25%	4.58%	7.61%	N/A	7.47%	9/30/2009
Gross Expense Ratio		33	8.19%	4.85%	6.67%		1.15%	2.63%	5.83%	9.40%	4.79%	7.94%		8.00%	12/4/2015
BM: Lifecycle Index 2015 Composite Benchmark			1						4	-15	-21	-33		-53	
BM: Lifecycle Index 2015 Composite Benchmark Fund vs.Lifecycle Index 2015 Composite Benchmark			-3	-22	-33		-2	1	4	-15		00			
Fund vs.Lifecycle Index 2015 Composite Benchmark PG: Target-Date 2015 M'star Category			8.01%	3.74%	5.80%		N/A	N/A	N/A	8.84%	3.72%	7.09%		N/A	
Fund vs.Lifecycle Index 2015 Composite Benchmark PG: Target-Date 2015 M'star Category Fund vs. Target-Date 2015 M'star Category			8.01% 15					N/A N/A	N/A N/A	8.84% 41	3.72% 86				
Fund vs.Lifecycle Index 2015 Composite Benchmark PG: Target-Date 2015 M'star Category			8.01%	3.74% 89	5.80% 54		N/A N/A	N/A	N/A	8.84%	3.72%	7.09% 52		N/A N/A	

			F	Previous Qu	arter-End Re	turns		_	_	Current Mo	nth-End Reti	urns	_	_	_
			1 Year	3 Year	7g. Annuar R 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	Avg. An 5 Year	10 Year	Since	_
	Total Portfolio Net		04/01/16 to	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	Inc. Date
TIAA-CREF LIFECYCLE INDEX 2020 FUND (TLWHX)	\$1,151.40	18	9.25%	4.94%	7.02%	N/A	1.21%	2.85%	6.44%	10.42%	4.92%	8.52%	N/A	8.05%	9/30/2009
Gross Expense Ratio	\$1,151.40	30	9.20 /0	4.34 /0	7.02/6	NA	1.21/0	2.05/6	0.44 /0	10.42 /0	4.32 /0	0.52 /0	N/A	8.03 /6	12/4/2015
BM: Lifecycle Index 2020 Composite Benchmark			9.33%	5.18%	7.35%		1.25%	2.85%	6.42%	10.58%	5.18%	8.86%		8.00%	
Fund vs.Lifecycle Index 2020 Composite Benchmark PG: Target-Date 2020 M'star Category			-8 8.54%	-24 3.82%	-33 5.72%		-4 N/A	0 N/A	2 N/A	-16 9.33%	-26 3.86%	-34 7.03%		5 N/A	
Fund vs. Target-Date 2020 M'star Category			71	112	130		N/A	N/A	N/A	109	106	149		N/A	
PG: Fund % Rank in Target-Date 2020 M'star Category			32%	6%	11%		N/A	N/A	N/A	28%	9%	12%		N/A	
PG: # of funds in Target-Date 2020 M'star Category Fund Star Rating			225 N/A	181	147 ****		N/A N/A	N/A N/A	N/A N/A	231 N/A	183	148 ****		N/A N/A	
TIAA-CREF LIFECYCLE INDEX 2025 FUND (TLQHX) Gross Expense Ratio	\$1,256.50	18 30	10.58%	5.30%	7.71%	N/A	1.35%	3.12%	7.13%	11.82%	5.36%	9.48%	N/A	8.67%	9/30/2009 12/4/2015
BM: Lifecycle Index 2025 Composite Benchmark			10.61%	5.55%	8.05%		1.36%	3.11%	7.08%	11.92%	5.60%	9.81%		9.00%	
Fund vs.Lifecycle Index 2025 Composite Benchmark PG: Target-Date 2025 M'star Category			-3 10.10%	-25 4.31%	-34 6.77%		-1 N/A	1 N/A	5 N/A	-10 11.13%	-24 4.46%	-33 8.45%		-33 N/A	
Fund vs. Target-Date 2025 M'star Category			48	99	94		N/A	N/A	N/A	69	90	103		N/A	
PG: Fund % Rank in Target-Date 2025 M'star Category			37%	8%	16%		N/A	N/A	N/A	33%	10%	20%		N/A	
PG: # of funds in Target-Date 2025 M'star Category Fund Star Rating			199 N/A	154	114		N/A N/A	N/A N/A	N/A N/A	199 N/A	157 ****	115		N/A N/A	
TIAA-CREF LIFECYCLE INDEX 2030 FUND (TLHHX) Gross Expense Ratio	\$1,310.40	18 29	11.89%	5.68%	8.41%	N/A	1.41%	3.36%	7.83%	13.12%	5.78%	10.40%	N/A	9.28%	9/30/2009
BM: Lifecycle Index 2030 Composite Benchmark			11.90%	5.91%	8.75%		1.47%	3.37%	7.75%	13.27%	6.02%	10.75%		10.00%	
Fund vs.Lifecycle Index 2030 Composite Benchmark			-1	-23 4 659/	-34 7 120/		-6 N/A	-1 N/A	8 N/A	-15 12 44%	-24	-35 8.99%		-72 N/A	
PG: Target-Date 2030 M'star Category Fund vs. Target-Date 2030 M'star Category			11.49% 40	4.65% 103	7.12% 129		N/A N/A	N/A N/A	N/A N/A	12.44% 68	4.81% 97	8.99% 141		N/A N/A	
PG: Fund % Rank in Target-Date 2030 M'star Category			40%	8%	9%		N/A	N/A	N/A	35%	11%	14%		N/A	
PG: # of funds in Target-Date 2030 M'star Category Fund Star Rating			225 N/A	181	147		N/A N/A	N/A N/A	N/A N/A	231 N/A	183	148		N/A N/A	
•															
TIAA-CREF LIFECYCLE INDEX 2035 FUND (TLYHX) Gross Expense Ratio	\$1,257.50	18 29	13.22%	6.00%	9.07%	N/A	1.53%	3.65%	8.50%	14.59%	6.15%	11.32%	N/A	9.85%	9/30/2009
BM: Lifecycle Index 2035 Composite Benchmark		20	13.22%	6.23%	9.40%		1.56%	3.60%	8.39%	14.64%	6.37%	11.64%		10.00%	12/1/2010
Fund vs.Lifecycle Index 2035 Composite Benchmark			0	-23	-33		-3	5	11	-5	-22	-32		-15	
PG: Target-Date 2035 M'star Category Fund vs. Target-Date 2035 M'star Category			12.76% 46	5.00% 100	7.91% 116		N/A N/A	N/A N/A	N/A N/A	14.00% 59	5.26% 89	10.07% 125		N/A N/A	
PG: Fund % Rank in Target-Date 2035 M'star Category			33%	8%	8%		N/A	N/A	N/A	31%	12%	11%		N/A	
PG: # of funds in Target-Date 2035 M'star Category			199	154	114		N/A	N/A	N/A	199	157	115		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2040 FUND (TLZHX)	\$1,365.50	18	14.56%	6.32%	9.56%	N/A	1.55%	3.86%	9.06%	15.94%	6.50%	11.91%	N/A	10.20%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2040 Composite Benchmark		28	14.57%	6.53%	9.87%		1.63%	3.81%	9.01%	16.02%	6.71%	12.23%		11.00%	12/4/2015
Fund vs.Lifecycle Index 2040 Composite Benchmark			-1	-21	-31		-8	5	5	-8	-21	-32		-80	
PG: Target-Date 2040 M'star Category			13.47% 109	5.14% 118	7.96% 160		N/A N/A	N/A N/A	N/A N/A	14.58%	5.38% 112	10.18% 173		N/A N/A	
Fund vs. Target-Date 2040 M'star Category PG: Fund % Rank in Target-Date 2040 M'star Category			17%	7%	5%		N/A N/A	N/A	N/A N/A	136 17%	9%	6%		N/A	
PG: # of funds in Target-Date 2040 M'star Category			225	181	147		N/A	N/A	N/A	231	183	148		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2045 FUND (TLMHX)	\$814.20	18	15.14%	6.48%	9.65%	N/A	1.66%	3.97%	9.44%	16.57%	6.69%	12.01%	N/A	10.28%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2045 Composite Benchmark		30	15.09%	6.71%	9.98%		1.67%	3.91%	9.28%	16.57%	6.91%	12.35%		11.00%	12/4/2015
Fund vs.Lifecycle Index 2045 Composite Benchmark			5	-23	-33		-1	6	16	0	-22	-34		-72	
PG: Target-Date 2045 M'star Category			13.97%	5.31%	8.44%		N/A	N/A	N/A	15.33%	5.62%	10.80%		N/A	
Fund vs. Target-Date 2045 M'star Category PG: Fund % Rank in Target-Date 2045 M'star Category			117 16%	117 4%	121 7%		N/A N/A	N/A N/A	N/A N/A	124 14%	107 7%	121 8%		N/A N/A	
PG: # of funds in Target-Date 2045 M'star Category			199	154	113		N/A	N/A	N/A	199	157	114		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2050 FUND (TLLHX)	\$574.60	18	15.25%	6.54%	9.69%	N/A	1.66%	3.97%	9.42%	16.67%	6.75%	12.06%	N/A	10.31%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2050 Composite Benchmark		31	15.30%	6.80%	10.03%		1.68%	3.94%	9.37%	16.79%	7.00%	12.41%		11.00%	12/4/2015
Fund vs.Lifecycle Index 2050 Composite Benchmark			-5	-26	-34		-2	3.94%	5	-12	-25	-35		-69	
PG: Target-Date 2050 M'star Category			14.15%	5.37%	8.32%		N/A	N/A	N/A	15.28%	5.63%	10.65%		N/A	
Fund vs. Target-Date 2050 M'star Category			110 19%	117 3%	137 6%		N/A N/A	N/A N/A	N/A N/A	139 14%	112 7%	141 7%		N/A N/A	
PG: Fund % Rank in Target-Date 2050 M'star Category PG: # of funds in Target-Date 2050 M'star Category			217	173	136		N/A N/A	N/A N/A	N/A N/A	14% 224	175	137		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2055 FUND (TTIHX)	\$172.50	18	15.51%	6.64%	9.75%	N/A	1.73%	4.04%	9.64%	17.02%	6.88%	12.14%	N/A	8.60%	4/29/2011
Gross Expense Ratio		48	15.51%	6.88%	10.08%		1.70%	3.97%	9.47%	17.01%	7.10%	12.47%		9.00%	12/4/2015
BM: Lifecycle Index 2055 Composite Benchmark Fund vs.Lifecycle Index 2055 Composite Benchmark			0	6.88% -24	10.08% -33		3	3.97% 7	9.47% 17	17.01%	7.10% -22	12.47% -33		9.00% -40	
PG: Target-Date 2055 M'star Category			14.22%	5.50%	8.76%		N/A	N/A	N/A	15.60%	5.80%	11.21%		N/A	
Fund vs. Target-Date 2055 M'star Category			129 12%	114 3%	99 7%		N/A N/A	N/A N/A	N/A	142	108 7%	93 11%		N/A N/A	
PG: Fund % Rank in Tarnet-Date 2055 Miletar Category			197	141	7% 86		N/A	N/A N/A	N/A N/A	12% 197	7% 144	86		N/A N/A	
PG: Fund % Rank in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category							N/A	N/A	N/A	N/A	****	****		N/A	
			N/A	****	****			TWO.							
PG: # of funds in Target-Date 2055 M*star Category Fund Star Rating TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVIHX)	\$25.80	18	N/A 15.67%	***** N/A	***** N/A	N/A	1.71%	4.06%	9.61%	17.20%	N/A	N/A	N/A	7.40%	9/26/2014
PG: # of funds in Target-Date 2055 M*star Category Fund Star Rating TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVIHX) Gross Expense Ratio	\$25.80	18				N/A					N/A	N/A	N/A		9/26/2014 12/4/2015
PG: # of funds in Target-Date 2055 M*star Category Fund Star Rating TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVIHX) Gross Expense Ratio BM: Lifecycle Index 2060 Composite Benchmark Fund vs.Lifecycle Index 2060 Composite Benchmark	\$25.80		15.67% 15.72% -5			N/A	1.71%	4.06%	9.61%	17.20%	N/A	N/A	N/A	7.40%	
PG: # of funds in Target-Date 2055 M*star Category Fund Star Rating TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVIHX) Gross Expense Ratio BM: Lifecycle Index 2060 Composite Benchmark Fund vs.Lifecycle Index 2060 Composite Benchmark PG: Target-Date 2060+ M*star Category	\$25.80		15.67% 15.72% -5 14.41%			N/A	1.71% 1.71% 0 N/A	4.06% 4.01% 5 N/A	9.61% 9.57% 4 N/A	17.20% 17.22% -2 15.78%	N/A	N/A	N/A	7.40% 8.00% -60 N/A	
PG: # of funds in Target-Date 2055 M*star Category Fund Star Rating TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVIHX) Gross Expense Ratio BM: Lifecycle Index 2060 Composite Benchmark Fund vs.Lifecycle Index 2060 Composite Benchmark PG: Target-Date 2060+ M*star Category Fund vs. Target-Date 2060+ M*star Category	\$25.80		15.67% 15.72% -5 14.41% 126			N/A	1.71% 1.71% 0 N/A N/A	4.06% 4.01% 5 N/A N/A	9.61% 9.57% 4 N/A N/A	17.20% 17.22% -2 15.78% 142	N/A	N/A	N/A	7.40% 8.00% -60 N/A N/A	
PG: # of funds in Target-Date 2055 M*star Category Fund Star Rating TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVIHX) Gross Expense Ratio BM: Lifecycle Index 2060 Composite Benchmark Fund vs.Lifecycle Index 2060 Composite Benchmark	\$25.80		15.67% 15.72% -5 14.41%			N/A	1.71% 1.71% 0 N/A	4.06% 4.01% 5 N/A	9.61% 9.57% 4 N/A	17.20% 17.22% -2 15.78%	N/A	N/A	N/A	7.40% 8.00% -60 N/A	

			l p	revious Qua	ertor-End Do	turne		_	_	Current Mor	nth-End Retu	irne	_		_
				AV	/g. Annuai ห	eturns						Avg. An	nuai Returns		_
	T		1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net Assets (in \$Mil.)	Exp. Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception	Inc.
FUND	05/31/17	(bps) [2]		03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF LIFECYCLE INDEX RETIREMENT INCOME FUND (TLIHX)	\$127.50	18	6.73%	4.15%	5.24%	N/A	1.02%	2.37%	5.16%	7.86%	4.00%	6.10%	N/A	6.45%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index Retirement Income Composite Benchmark		49	6.84%	4.40%	5.59%		1.02%	2.34%	5.11%	7.99%	4.27%	6.44%		7.00%	12/4/2015
Fund vs.Lifecycle Index Retirement Income Composite Benchmark			-11	-25	-35		0	3	5.1170	-13	-27	-34		-55	
PG: Target-Date Retirement M'star Category			6.03%	2.94%	3.94%		N/A	N/A	N/A	6.64%	2.90%	4.62%		N/A	
Fund vs. Target-Date Retirement M'star Category			70	121	130		N/A	N/A	N/A	122	110	148		N/A	
PG: Fund % Rank in Target-Date Retirement M'star Category			28%	1%	7%		N/A	N/A	N/A	19%	4%	9%		N/A	
PG: # of funds in Target-Date Retirement M'star Category Fund Star Rating			171 N/A	133	113		N/A N/A	N/A N/A	N/A N/A	171 N/A	136	114		N/A N/A	
runo stai Raung			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE RETIREMENT INCOME FUND (TLRHX)	\$495.20	45	8.27%	4.18%	5.62%	N/A	1.06%	2.85%	5.99%	9.07%	4.39%	6.69%	N/A	4.71%	11/30/2007
Gross Expense Ratio		60													12/4/2015
BM: Lifecycle Retirement Income Fund Composite Index			6.86%	4.26%	5.48%		0.99%	2.25%	5.01%	7.92%	4.17%	6.34%		5.00%	
Fund vs.Lifecycle Retirement Income Fund Composite Index PG: Target-Date Retirement M'star Category			141 6.03%	-8 2.94%	14 3.94%		7 N/A	60 N/A	98 N/A	115 6.64%	22 2.90%	35 4.62%		-29 N/A	
Fund vs. Target-Date Retirement Mistar Category			224	124	168		N/A	N/A	N/A	243	149	207		N/A	
PG: Fund % Rank in Target-Date Retirement M'star Category			10%	2%	2%		N/A	N/A	N/A	9%	1%	2%		N/A	
PG: # of funds in Target-Date Retirement M'star Category			171	133	113		N/A	N/A	N/A	171	136	114		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE AGGRESSIVE GROWTH FUND (TSAHX)	\$68.00	64	16.70%	6.31%	10.34%	N/A	1.80%	5.38%	11.37%	18.07%	7.15%	13.34%	N/A	12.70%	12/9/2011
Gross Expense Ratio	\$66.00	95	10.70%	0.31/6	10.34 /6	N/A	1.00 /0	5.30 /6	11.37 /6	10.07 /6	7.15/0	13.34 /6	N/A	12.70%	12/4/2015
BM: Lifestyle Aggressive Composite Benchmark			16.69%	6.99%	10.54%		1.67%	3.92%	9.72%	17.98%	7.17%	13.23%		13.00%	
Fund vs.Lifestyle Aggressive Composite Benchmark			1	-68	-20		13	146	165	9	-2	11		-30	
PG: Allocation85%+ Equity M'star Category			14.91%	5.37%	9.09%		N/A	N/A	N/A	15.54%	5.65%	11.62%		N/A	
Fund vs. Allocation85%+ Equity M'star Category			179	94	125		N/A	N/A	N/A	253	150	172		N/A	
PG: Fund % Rank in Allocation85%+ Equity M'star Category PG: # of funds in Allocation85%+ Equity M'star Category			16% 161	23% 139	16% 125		N/A N/A	N/A N/A	N/A N/A	8% 167	9% 147	5% 123		N/A N/A	
Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
• • • • • •															
TIAA-CREF LIFESTYLE CONSERVATIVE FUND (TLSHX)	\$179.10	55	8.12%	4.20%	5.88%	N/A	1.07%	3.01%	6.03%	8.94%	4.51%	7.04%	N/A	7.06%	12/9/2011
Gross Expense Ratio BM: Lifestyle Conservative Composite Benchmark		68	C 700/	4.18%	5.43%		1.01%	2.24%	4.94%	7.80%	4.19%	6.38%		6.00%	12/4/2015
Fund vs.Lifestyle Conservative Composite Benchmark			6.78% 134	4.16%	45		6	77	109	114	32	66		106	
PG: Allocation30% to 50% Equity M'star Category			8.03%	3.25%	5.13%		N/A	N/A	N/A	8.10%	3.16%	6.12%		N/A	
Fund vs. Allocation30% to 50% Equity M'star Category			9	95	75		N/A	N/A	N/A	84	135	92		N/A	
PG: Fund % Rank in Allocation30% to 50% Equity M'star Category			43%	17%	24%		N/A	N/A	N/A	29%	12%	22%		N/A	
PG: # of funds in Allocation30% to 50% Equity M'star Category			513	408	350		N/A	N/A	N/A	506	401	349		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE GROWTH FUND (TSGHX)	\$106.70	61	14.02%	5.78%	9.04%	N/A	1.54%	4.61%	9.75%	15.12%	6.43%	11.43%	N/A	11.03%	12/9/2011
Gross Expense Ratio		80													12/4/2015
BM: Lifestyle Growth Composite Benchmark			13.29%	6.22%	8.96%		1.49%	3.44%	8.22%	14.56%	6.33%	11.04%		11.00%	
Fund vs.Lifestyle Growth Composite Benchmark							-	447		56		00			
PG: Allocation = 70% to 85% Equity Mistar Category			73 12 55%	-44 4 51%	8 7.85%		5	117 N/A	153 N/A	12 90%	10 4.66%	39 9.86%		3	
PG: Allocation70% to 85% Equity M'star Category Fund vs. Allocation70% to 85% Equity M'star Category			73 12.55% 147	-44 4.51% 127	8 7.85% 119		5 N/A N/A	117 N/A N/A	153 N/A N/A	12.90% 222	4.66% 177	39 9.86% 157			
PG: Allocation70% to 85% Equity M'star Category Fund vs. Allocation70% to 85% Equity M'star Category PG: Fund % Rank in Allocation70% to 85% Equity M'star Category			12.55%	4.51%	7.85%		5 N/A	N/A	N/A		4.66%	9.86%		3 N/A	
Fund vs. Allocation70% to 85% Equity M'star Category			12.55% 147 22% 397	4.51% 127	7.85% 119		5 N/A N/A N/A N/A	N/A N/A	N/A N/A	222	4.66% 177	9.86% 157		3 N/A N/A	
Fund vs. Allocation70% to 85% Equity M'star Category PG: Fund % Rank in Allocation70% to 85% Equity M'star Category			12.55% 147 22%	4.51% 127 21%	7.85% 119 15%		5 N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	222 13%	4.66% 177 9%	9.86% 157 10%		3 N/A N/A N/A	
Fund vs. Allocation-70% to 85% Equity M'star Category PG: Fund % Rank in Allocation-70% to 85% Equity M'star Category PG: # of funds in Allocation-70% to 85% Equity M'star Category	\$65.70	51	12.55% 147 22% 397	4.51% 127 21% 347 ****	7.85% 119 15% 286	N/A	5 N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A	222 13% 377 N/A	4.66% 177 9% 334 ****	9.86% 157 10% 290 ****	N/A	3 N/A N/A N/A N/A	12/9/2011
Fund vs. Allocation-70% to 85% Equity M'star Category PG: Fund % Rank in Allocation-70% to 85% Equity M'star Category PG: # of funds in Allocation-70% to 85% Equity M'star Category Fund Star Rating	\$65.70	51 78	12.55% 147 22% 397 N/A	4.51% 127 21% 347	7.85% 119 15% 286 ****	N/A	5 N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A N/A	222 13% 377	4.66% 177 9% 334	9.86% 157 10% 290	N/A	3 N/A N/A N/A N/A	12/9/2011 12/4/2015
Fund vs. Allocation-70% to 85% Equity M'star Category PG: Fund % Rank in Allocation-70% to 85% Equity M'star Category PG: # of funds in Allocation-70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX)	\$65.70		12.55% 147 22% 397 N/A 5.15%	4.51% 127 21% 347 ****	7.85% 119 15% 286 ****	N/A	5 N/A N/A N/A N/A	N/A N/A N/A N/A N/A 2.00%	N/A N/A N/A N/A N/A	222 13% 377 N/A 5.70%	4.66% 177 9% 334 ****	9.86% 157 10% 290 ****	N/A	3 N/A N/A N/A N/A	
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs.Lifestyle Income Composite Benchmark	\$65.70		12.55% 147 22% 397 N/A 5.15% 3.66% 149	4.51% 127 21% 347 **** 3.19% 2.93% 26	7.85% 119 15% 286 **** 4.05% 3.49% 56	N/A	5 N/A N/A N/A N/A N/A 0.73%	N/A N/A N/A N/A N/A 2.00%	N/A N/A N/A N/A N/A 3.91%	222 13% 377 N/A 5.70% 4.48% 122	4.66% 177 9% 334 **** 3.28%	9.86% 157 10% 290 **** 4.62%	N/A	3 N/A N/A N/A N/A N/A 4.76%	
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs.Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category	\$65.70		12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78%	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49%	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37%	N/A	5 N/A N/A N/A N/A N/A 0.73% 0.71% 2 N/A	N/A N/A N/A N/A N/A 2.00% 1.54% 46 N/A	N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96%	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35%	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98%	N/A	3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A	
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs.Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category	\$65.70		12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78%	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37% 68	N/A	5 N/A N/A N/A N/A N/A 0.73% 0.71% 2 N/A N/A	N/A N/A N/A N/A N/A 2.00% 1.54% 46 N/A N/A	N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64	N/A	3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A N/A	
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs. Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: Fund % Rank in Allocation—15% to 30% Equity M'star Category	\$65.70		12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78%	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49%	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37%	N/A	5 N/A N/A N/A N/A N/A 0.73% 0.71% 2 N/A	N/A N/A N/A N/A N/A 2.00% 1.54% 46 N/A	N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96%	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35%	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98%	N/A	3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A	
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs.Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category	\$65.70		12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78% -63 59%	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70 30%	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37% 68 35%	N/A	5 N/A N/A N/A N/A N/A 0.73% 0.71% 2 N/A N/A	N/A N/A N/A N/A N/A 2.00% 1.54% 46 N/A N/A N/A	N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57%	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 22%	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64 38%	N/A	3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A N/A N/A	
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs. Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: Fund % Rank in Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category Fund Star Rating		78	12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78% -63 59% 202 N/A	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70 30% 171 ****	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37% 68 35% 151 ****		5 N/A N/A N/A N/A N/A 0.73% 0.71% 2 N/A N/A N/A N/A	N/A N/A N/A N/A N/A 2.00% 1.54% 46 N/A N/A N/A N/A	N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A N/A N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57% 209 N/A	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 22% 180 ****	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64 4.88%		3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A N/A N/A N/A	12/4/2015
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs. Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: Fund % Rank in Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE MODERATE FUND (TSMHX)	\$65.70 \$259.80	78 59	12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78% -63 59% 202	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70 30% 171	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37% 68 35% 151	N/A	5 N/A N/A N/A N/A N/A 0.73% 0.71% 2 N/A N/A N/A	N/A N/A N/A N/A N/A 2.00% 1.54% 46 N/A N/A N/A	N/A N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57% 209	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 22% 180	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64 38% 148	N/A	3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A N/A N/A	12/4/2015
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs. Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: Fund % Rank in Allocation—15% to 30% Equity M'star Category FG: # of funds in Allocation—15% to 30% Equity M'star Category FG: # of funds in Allocation—15% to 30% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE MODERATE FUND (TSMHX) Gross Expense Ratio		78	12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78% -63 59% 202 N/A	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70 30% 171 **** 5.21%	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37% 68 35% 151 ****		5 N/A	N/A N/A N/A N/A N/A 2.00% 1.54% 46 N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A N/A N/A N/A N/A N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57% 209 N/A	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 22% 180 **** 5.67%	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.96% 64 38% 148 ****		3 N/A N/A N/A N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A	12/4/2015
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs. Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: Fund % Rank in Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE MODERATE FUND (TSMHX)		78 59	12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78% -63 59% 202 N/A	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70 30% 171 ****	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37% 68 35% 151 ****		5 N/A N/A N/A N/A N/A 0.73% 0.71% 2 N/A N/A N/A N/A	N/A N/A N/A N/A N/A 2.00% 1.54% 46 N/A N/A N/A N/A	N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A N/A N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57% 209 N/A	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 22% 180 ****	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64 4.88%		3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A N/A N/A N/A	12/4/2015
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs. Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE MODERATE FUND (TSMHX) Gross Expense Ratio BM: Lifestyle Moderate Composite Benchmark		78 59	12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78% -63 5.9% 202 N/A 11.12%	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70 30% 171 **** 5.21%	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37% 68 35% 151 **** 7.72%		5 N/A	N/A N/A N/A N/A N/A N/A 1.54% 46 N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A N/A N/A N/A N/A N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57% 209 N/A 12.15%	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 2.25% 180 **** 5.67%	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64 3.89% 148 **** 9.46%		3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A N/A N/A N/A N/A N/A N/A N/A	12/4/2015
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs. Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: Fund % Rank in Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE MODERATE FUND (TSMHX) Gross Expense Ratio		78 59	12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78% -63 59% 202 N/A 11.12%	4.51% 127 21% 347 **** 3.19% 2.93% 26 70 30% 171 **** 5.21%	7.85% 119 15% 286 **** 4.05% 3.49% 56 3.37% 68 35% 151 **** 7.72%		5 N/A	N/A N/A N/A N/A N/A N/A 1.54% 46 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A N/A N/A N/A N/A N/A 13.69%	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57% N/A 12.15% 11.20% 95	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 22% 180 **** 5.67%	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64 3.8% 148 **** 9.46%		3 N/A N/A N/A N/A N/A 4.76% 4.00% 76 N/A N/A N/A N/A N/A N/A N/A N/A	12/4/2015
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs.Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE MODERATE FUND (TSMHX) Gross Expense Ratio BM: Lifestyle Moderate Composite Benchmark Fund vs.Lifestyle Moderate Composite Benchmark Fund vs.Rication—50% to 70% Equity M'star Category Fund vs. Allocation—50% to 70% Equity M'star Category Follows Rank in Allocation—50% to 70% Equity M'star Category Follows Rank in Allocation—50% to 70% Equity M'star Category		78 59	12.55% 147 22% 397 N/A 5.15% 3.66% 149 -63 59% 202 N/A 11.12% 9.97% 115 10.53% 59 30%	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70 30% 171 **** 5.21% 5.40% -19 4.43% 78 34%	7.85% 119 15% 286 **** 4.05% 3.49% 68 35% 151 **** 7.72% 7.35% 37 7.04% 68 35%		5 N/A	N/A N/A N/A N/A N/A N/A N/A 1.54% 46 N/A	N/A N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A N/A N/A N/A N/A N/A 135 N/A N/A N/A N/A N/A N/A N/A N/A	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57% 209 N/A 12.15% 11.20% 95 10.66% 149 19%	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 2.25% 180 **** 5.67% 5.44% 23 4.36% 131 23%	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64 38% 148 **** 9.46% 8.85% 61 8.43% 103 29%		3 N/A	12/4/2015
Fund vs. Allocation—70% to 85% Equity M'star Category PG: Fund % Rank in Allocation—70% to 85% Equity M'star Category PG: # of funds in Allocation—70% to 85% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE INCOME FUND (TSIHX) Gross Expense Ratio BM: Lifestyle Income Composite Benchmark Fund vs. Lifestyle Income Composite Benchmark PG: Allocation—15% to 30% Equity M'star Category Fund vs. Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category PG: # of funds in Allocation—15% to 30% Equity M'star Category Fund Star Rating TIAA-CREF LIFESTYLE MODERATE FUND (TSMHX) Gross Expense Ratio BM: Lifestyle Moderate Composite Benchmark Fund vs. Lifestyle Moderate Composite Benchmark PG: Allocation—50% to 70% Equity M'star Category Fund vs. Allocation—50% to 70% Equity M'star Category		78 59	12.55% 147 22% 397 N/A 5.15% 3.66% 149 5.78% -63 59% 202 N/A 11.12% 9.97% 115 10.53% 59	4.51% 127 21% 347 **** 3.19% 2.93% 26 2.49% 70 30% 171 **** 5.21% 5.40% -19 4.43% 78	7.85% 119 15% 286 **** 4.05% 4.05% 3.49% 56 3.37% 68 35% 151 **** 7.72% 7.35% 37 7.04% 68		5 N/A	N/A N/A N/A N/A N/A N/A 1.54% 46 N/A N/A N/A N/A 3.93% 2.95% 98 N/A N/A N/A	N/A N/A N/A N/A N/A 3.91% 3.16% 75 N/A N/A N/A N/A N/A 8.09%	222 13% 377 N/A 5.70% 4.48% 122 5.96% -26 57% 209 N/A 12.15% 11.20% 95 10.66% 149	4.66% 177 9% 334 **** 3.28% 2.90% 38 2.35% 93 22% 180 **** 5.67% 5.44% 23 4.36% 131	9.86% 157 10% 290 **** 4.62% 3.93% 69 3.98% 64 38% 148 **** 9.46% 8.85% 61 103		3 N/A	12/4/2015

			F	revious Qua						Current Mo	nth-End Retu				
				A\	/g. Annuai R	eturns						Avg. An	nuai Return	i e	
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Money Market															
TIAA-CREF MONEY MARKET FUND (TMHXX)[3,6]	\$910.50	24	0.29%	0.11%	0.08%	0.77%	0.06%	0.15%	0.22%	0.37%	0.14%	0.10%	0.69%	1.92%	7/1/1999
Gross Expense Ratio		24													12/4/20
BM: iMoneynet Money Fund AveragesTM-All Government			0.12%	0.05%	0.03%	0.52%	0.03%	0.08%	0.11%	0.16%	0.07%	0.05%	0.45%	1.54%	
Fund vs.iMoneynet Money Fund AveragesTM-All Government			17	6	5	25	3	7	11	21	7	5	24	38	
7-Day Effective Yield as of 05/31/2017: 0.70%															
7-Day Current Yield as of 05/31/2017: 0.70%															
MUTUAL EURO TOTAL C[1]	£440.050.40														

BM = Benchmark; PG = Peer Group; % Rank within Morningstar Category: 1 = Best 100 = Worst; Morningstar Category Returns are equal-weighted.

Where a product lists two inception dates, the top date reflects the inception date of the product's oldest share class, and the bottom date represents the date of inception for the Share Class being reported. Performance shown for the Since Inception period and prior to the inception of the Advisor Class is based on the performance of the fund's Institutional Class. Performance has not been restated to reflect the higher expenses of the Advisor Class is based on the performance of the fund's Institutional Class. Performance has not been restated to reflect the higher expenses of the Advisor Class is based on the performance of the fund's Institutional Class. Performance has not been restated to reflect the higher expenses of the Advisor Class is based on the performance of the fund's Institutional Class. Performance has not been reflected, performance for these periods would have been lower.

- [1] Combined Mutual Funds' Net Assets exclude the Managed Allocation Fund, Lifecycle Funds, and Lifestyle Funds.
- [2] The net expense ratio (top number) represents expenses after reimbursement and waivers, and is what participants actually pay. The number below represents the gross expense ratio, before consideration for reimbursements and/or waivers.
- [3] The "Since Inception" benchmark performance shown is computed from August 1999.
- [4] The "Since Inception" values presented are cumulative values and not average annualized total returns
- [5] Effective January 1, 2016 the Fund's benchmark index changed from the Bloomberg Barclays U.S. TIPS Index to the Bloomberg Barclays 1-10 US Treasury Inflation Protected Securities Index.
 [6] Beginning December 5, 2015, part or all of the investment management fees of the Advisor Class of the TIAA-CREF Money Market Fund may be voluntarily waived. Without this waiver, current and effective annualized yields and total returns would be lower. This voluntary fee waiver may be discontinued at any time without notice.

Teachers Advisors, LLC. ('Advisors'), the Funds' investment adviser has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed 0.25% of average daily net assets for the Lifecycle and 0.29% for the Lifecycle Advisor Class Funds. These expense reimbursement arrangements will continue through at least September 30, 2017 unless changed with approval of the Board of Trustees

In addition to the expense reimbursement arrangement, Advisors has contractually agreed to waive a portion of the Fund's Management Fee equal to, on an annual basis of 0.10% for the all of the Lifecycle Funds. This waiver will remain in effect through September 30, 2017, unless changed with approval of the Board of Trustees.

The Morningstar category averages, percentile ranks and star ratings are sourced from the Morningstar Essentials files prepared for TIAA as well as from Morningstar Direct.

Under the Funds' expense reimbursement arrangements, the Funds' investment adviser, Teachers Advisors, LLC. ("Advisors"), has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed the following annual rates of average daily net assets: a) 0.67% for the Growth & Income Fund; 0.75% for the International Equity Fund; 1.10% for the Emerging Markets Equity Fund; 0.67% for the Large-Cap Growth Fund; 0.67% for the Large-Cap Value Fund; 0.70% for the Mid-Cap Growth Fund; 0.70% for the Mid-Cap Value Fund; 0.68% for the Small-Cap Equity Fund; 0.24% for the Large-Cap

				Previous Ou	arter-End Re	turns				Current Mo	nth-End Ret	urns			
				A	vg. Annuai F	eturns	4 14	2.14==#	VTD			Avg. An	nual Returns	Cinna	_
	Total Portfolio Net	Exp.	1 Year 04/01/16	3 Year 04/01/14	5 Year 04/01/12	10 Year 04/01/07	1 Month 05/01/17	3 Month 03/01/17	YTD 01/01/17	1 Year 06/01/16	3 Year 06/01/14	5 Year 06/01/12	10 Year 06/01/07	Since Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
U.S. Equities															
TIAA-CREF EQUITY INDEX FUND (TCEPX)[5]	\$13,964.80	20	17.86%	9.58%	12.97%	7.41%	0.96%	2.12%	7.85%	17.50%	9.49%	15.05%	6.82%	5.50%	7/1/1999
Gross Expense Ratio BM: Russell 3000 Index		20	18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	6.00%	9/30/2009
Fund vs.Russell 3000 Index			-21	-18	-21	-13	-6	-4	-11	-19	-19	-21	-14	-50	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star Category PG: Fund % Rank in Large Blend M'star Category			189 23%	144 27%	123 22%	89 23%	N/A N/A	N/A N/A	N/A N/A	145 29%	141 27%	106 28%	84 24%	N/A N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF GROWTH & INCOME FUND (TRPGX) ^[5]	\$6,294.10	57	17.51%	9.46%	12.65%	8.74%	2.07%	4.37%	10.50%	17.56%	9.94%	15.11%	8.16%	5.85%	7/1/1999
Gross Expense Ratio		57													9/30/2009
BM: S&P 500 Index Fund vs.S&P 500 Index			17.17% 34	10.37% -91	13.30% -65	7.51% 123	1.41%	2.57% 180	8.66% 184	17.47% 9	10.14% -20	15.42% -31	6.94% 122	5.00% 85	
PG: Large Growth M'star Category			14.85%	8.53%	11.55%	7.71%	N/A	N/A	N/A	18.19%	9.67%	14.45%	7.41%	N/A	
Fund vs. Large Growth M'star Category			266	93	110	103	N/A	N/A	N/A	-63	27	66	75	N/A	
PG: Fund % Rank in Large Growth M'star Category PG: # of funds in Large Growth M'star Category			18% 1454	37% 1306	28% 1154	25% 800	N/A N/A	N/A N/A	N/A N/A	57% 1426	50% 1284	40% 1145	33% 805	N/A N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	***	****	N/A	
TIAA CDEE LADOE CAD CDOMETH FUND (TH DYI ^[5]	******		40.000/	40.000/	40.400/	0.070/		0.000/	47.050/	40.400/	40.400/	40.740/	0.040/	0.000/	0/04/0000
TIAA-CREF LARGE-CAP GROWTH FUND (TILPX) ⁵ Gross Expense Ratio	\$4,400.10	58	12.88%	10.30%	13.10%	8.87%	3.84%	9.08%	17.95%	18.43%	12.16%	16.71%	8.81%	8.98%	3/31/2006 9/30/2009
BM: Russell 1000 Growth Index			15.76%	11.27%	13.32%	9.13%	2.60%	6.16%	14.30%	20.27%	11.92%	15.98%	8.77%	9.00%	
Fund vs.Russell 1000 Growth Index			-288 14.85%	-97 8 53%	-22 11 55%	-26 7 71%	124 N/A	292 N/A	365 N/A	-184 18 10%	24	73	4 7.41%	-2 N/A	
PG: Large Growth M'star Category Fund vs. Large Growth M'star Category			14.85% -197	8.53% 177	11.55% 155	7.71% 116	N/A N/A	N/A N/A	N/A N/A	18.19% 24	9.67% 249	14.45% 226	7.41% 140	N/A N/A	
PG: Fund % Rank in Large Growth M'star Category			75%	21%	19%	21%	N/A	N/A	N/A	49%	15%	10%	18%	N/A	
PG: # of funds in Large Growth M'star Category Fund Star Rating			1454 N/A	1306	1154	800 ****	N/A N/A	N/A N/A	N/A N/A	1426 N/A	1284	1145	805 ****	N/A N/A	
ruiu Stal Rating			IN/A	****	****	****	IN/A	N/A	IN/A	IN/A	****	****	****	IN/A	
TIAA-CREF LARGE-CAP VALUE FUND (TRCPX) ^[5]	\$6,487.70	56	21.94%	7.89%	12.56%	5.74%	-0.65%	-1.91%	2.33%	15.18%	6.89%	13.92%	4.73%	9.60%	10/1/2002
Gross Expense Ratio BM: Russell 1000 Value Index		56	19.22%	8.67%	13.13%	5.93%	-0.10%	-1.30%	2.97%	14.66%	7.70%	14.67%	5.15%	9.00%	9/30/2009
Fund vs.Russell 1000 Value Index			272	-78	-57	-19	-55	-61	-64	52	-81	-75	-42	60	
PG: Large Value M'star Category			17.44%	7.32%	11.47%	5.59%	N/A	N/A	N/A	14.75%	6.65%	13.24%	4.82%	N/A	
Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category			450 13%	57 39%	109 22%	15 50%	N/A N/A	N/A N/A	N/A N/A	43 42%	24 48%	68 34%	-9 55%	N/A N/A	
PG: # of funds in Large Value M'star Category			1258	1084	936	679	N/A	N/A	N/A	1244	1082	935	677	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF MID-CAP GROWTH FUND (TRGPX) ^[5]	\$1,554.70	62	14.58%	5.09%	10.01%	7.50%	2.80%	5.70%	12.78%	15.90%	7.06%	12.63%	7.09%	11.28%	10/1/2002
Gross Expense Ratio	¥1,004.110	62	14.0070	0.0070	10.0170	7.0070	2.0070	0.1070	12.70%	10.0070	1.0070	12.0070	1.0070	11.2070	9/30/2009
BM: Russell Mid Cap Growth Index			14.07%	7.88%	11.95%	8.13%	2.39%	4.48%	11.07%	16.68%	8.83%	14.55%	7.65%	12.00%	
Fund vs.Russell Mid Cap Growth Index PG: Mid-Cap Growth M'star Category			51 15.58%	-279 6.06%	-194 10.30%	-63 7.12%	41 N/A	122 N/A	171 N/A	-78 16.48%	-177 7.86%	-192 12.97%	-56 6.62%	-72 N/A	
Fund vs. Mid-Cap Growth M'star Category			-100	-97	-29	38	N/A	N/A	N/A	-58	-80	-34	47	N/A	
PG: Fund % Rank in Mid-Cap Growth M'star Category			59%	68%	54%	43%	N/A	N/A	N/A	55%	66%	54%	43%	N/A	
PG: # of funds in Mid-Cap Growth M'star Category Fund Star Rating			635 N/A	580 ***	500 ***	368 ***	N/A N/A	N/A N/A	N/A N/A	633 N/A	581 ***	504 ***	373 ***	N/A N/A	
•															
TIAA-CREF MID-CAP VALUE FUND (TRVPX) ^[5] Gross Expense Ratio	\$5,159.30	56	18.48%	7.43%	12.14%	6.80%	0.21%	-0.46%	3.31%	14.12%	6.70%	13.58%	5.99%	11.93%	9/30/2009
BM: Russell Mid Cap Value Index		50	19.82%	8.94%	14.07%	7.47%	-0.31%	-0.85%	3.63%	15.27%	8.15%	15.63%	6.77%	12.00%	9/30/2009
Fund vs.Russell Mid Cap Value Index			-134	-151	-193	-67	52	39	-32	-115	-145	-205	-78	-7	
PG: Mid-Cap Value M'star Category Fund vs. Mid-Cap Value M'star Category			18.86% -38	7.04% 39	12.02% 12	6.68% 12	N/A N/A	N/A N/A	N/A N/A	14.61% -49	6.41% 29	13.75% -17	5.81% 18	N/A N/A	
PG: Fund % Rank in Mid-Cap Value M'star Category			59%	47%	52%	45%	N/A	N/A	N/A	54%	48%	61%	42%	N/A	
PG: # of funds in Mid-Cap Value M'star Category			398	341	301	212	N/A	N/A	N/A	404	356	309	216	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF REAL ESTATE SECURITIES FUND (TRRPX) ^[5]	\$2,092.50	66	2.73%	9.84%	9.17%	4.10%	0.78%	0.61%	4.59%	5.09%	8.57%	9.97%	4.32%	10.56%	10/1/2002
Gross Expense Ratio		66													9/30/2009
BM: FTSE NAREIT All Equity REITs Index Fund vs.FTSE NAREIT All Equity REITs Index			5.25% -252	10.56% -72	10.32% -115	4.97% -87	-0.13% 91	-1.27% 188	2.86% 173	5.09% 0	8.54% 3	10.80% -83	5.00% -68	11.00% -44	
PG: Real Estate M'star Category			3.08%	9.01%	8.82%	4.04%	N/A	N/A	N/A	3.17%	6.97%	9.17%	3.99%	N/A	
Fund vs. Real Estate M'star Category			-35	83	35	6	N/A	N/A	N/A	192	160	80	33	N/A	
PG: Fund % Rank in Real Estate M'star Category PG: # of funds in Real Estate M'star Category			38% 262	22% 234	30% 205	52% 137	N/A N/A	N/A N/A	N/A N/A	15% 260	8% 232	17% 203	41% 142	N/A N/A	
Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA CREE CMALL CAR FOLLOW TO THE TOTAL STATE OF TH	42.2.								4.6			44		40	40
TIAA-CREF SMALL-CAP EQUITY FUND (TSRPX) ^[5] Gross Expense Ratio	\$3,346.40	57	26.64%	9.03%	13.17%	7.21%	-2.31%	-2.16%	1.09%	21.39%	9.22%	14.88%	6.39%	10.94%	9/30/2009
BM: Russell 2000 Index			26.22%	7.22%	12.35%	7.12%	-2.03%	-0.83%	1.48%	20.36%	8.00%	14.04%	6.40%	11.00%	
Fund vs.Russell 2000 Index			42	181	82	9	-28	-133	-39	103	122	84	-1	-6	
PG: Small Growth M'star Category Fund vs. Small Growth M'star Category			22.41% 423	5.34% 369	10.73% 244	7.31% -10	N/A N/A	N/A N/A	N/A N/A	19.89% 150	7.79% 143	13.08% 180	6.76% -37	N/A N/A	
PG: Fund % Rank in Small Growth M'star Category			17%	12%	9%	59%	N/A	N/A	N/A	30%	31%	17%	65%	N/A	
PG: # of funds in Small Growth M'star Category			670	599	527	386	N/A	N/A	N/A	674	603	533	396	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
TIAA-CREF SMALL/MID-CAP EQUITY (TSMMX)[4]	\$593.70	66	N/A	N/A	N/A	N/A	-1.42%	-0.45%	3.35%	N/A	N/A	N/A	N/A	11.17%	8/5/2016
Gross Expense Ratio BM: Russell 2500 Index		66					-1.12%	-0.43%	3.39%					10.72%	
BM: Russell 2500 Index Fund vs.Russell 2500 Index							-1.12% -30	-0.43% -2	3.39% -4					10.72% 45	
PG: Small Blend M'star Category							N/A	N/A	N/A					N/A	
Fund vs. Small Blend M'star Category							N/A	N/A	N/A					N/A	
PG: Fund % Rank in Small Blend M'star Category PG: # of funds in Small Blend M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
Fund Star Rating							N/A	N/A	N/A					N/A	

		_		Previous Qu	arter-End Re	turns		_	_	Current Mo	nth-End Reti	ırns	_	_	
			1 Year	3 Year	vg. Annual F 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year		nuai Keturn 10 Year	Since	_
	Total Portfolio Net		04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	to 05/31/17	Inc. Date						
TIAA-CREF SOCIAL CHOICE EQUITY FUND (TRPSX) ^[5]	£0 F04 00		47.459/	0.400/	40.059/	7.000/	4 279/	2.000/	7.000/	47.400/	0.000/	44.200/	C FF0/	F 200/	744000
Gross Expense Ratio	\$2,591.80	34 34	17.15%	8.18%	12.05%	7.03%	1.37%	2.60%	7.90%	17.49%	8.20%	14.38%	6.55%	5.29%	7/1/1999 9/30/2009
BM: Russell 3000 Index			18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	6.00%	
Fund vs.Russell 3000 Index PG: Large Blend M'star Category			-92 15.97%	-158 8.14%	-113 11.74%	-51 6.52%	35 N/A	44 N/A	-6 N/A	-20 16.05%	-148 8.08%	-88 13.99%	-41 5.98%	-71 N/A	
Fund vs. Large Blend M'star Category			118	4	31	51	N/A	N/A	N/A	144	12	39	57	N/A	
PG: Fund % Rank in Large Blend M'star Category PG: # of funds in Large Blend M'star Category			33% 1404	57% 1248	52% 1113	37% 822	N/A N/A	N/A N/A	N/A N/A	29% 1383	55% 1222	51% 1081	36% 798	N/A N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF SOCIAL CHOICE LOW CARBON EQUITY FUND (TPWCX) Gross Expense Ratio	\$72.00	47 82	17.30%	N/A	N/A	N/A	1.31%	2.47%	8.19%	17.44%	N/A	N/A	N/A	10.46%	8/7/2015
BM: Russell 3000 Index			18.07%				1.02%	2.16%	7.96%	17.69%				10.33%	
Fund vs.Russell 3000 Index PG: Large Blend M'star Category			-77 15.97%				29 N/A	31 N/A	23 N/A	-25 16.05%				13 N/A	
Fund vs. Large Blend M'star Category			133				N/A	N/A	N/A	139				N/A	
PG: Fund % Rank in Large Blend M'star Category			30%				N/A	N/A	N/A	30%				N/A	
PG: # of funds in Large Blend M'star Category Fund Star Rating			1404 N/A				N/A N/A	N/A N/A	N/A N/A	1383 N/A				N/A N/A	
Global Equities															
TIAA-CREF GLOBAL NATURAL RESOURCES FUND (TNRPX)	\$39.70	90	26.23%	-3.82%	-2.79%	N/A	-4.33%	-9.83%	-11.32%	8.23%	-7.26%	-1.82%	N/A	-3.12%	11/1/2011
Gross Expense Ratio BM: MSCI AC World Index Commodity Producers Sec. Cap. Index		94	24.49%	-4.13%	-2.78%		-1.00%	-1.90%	0.97%	16.45%	-5.49%	-0.19%		-2.00%	
Fund vs.MSCI AC World Index Commodity Producers Sec. Cap. Index Fund vs.MSCI AC World Index Commodity Producers Sec. Cap. Index			24.49% 174	-4.13% 31	-2.78% -1		-333	-1.90% -793	-1229	-822	-5.49% -177	-0.19%		-2.00% -112	
PG: Natural Resources M'star Category			20.83%	-4.60%	-0.79%		N/A	N/A	N/A	9.50%	-6.77%	1.23%		N/A	
Fund vs. Natural Resources M'star Category PG: Fund % Rank in Natural Resources M'star Category			540 14%	78 44%	-200 52%		N/A N/A	N/A N/A	N/A N/A	-127 51%	-49 45%	-305 60%		N/A N/A	
PG: # of funds in Natural Resources M'star Category			138	130	115		N/A	N/A	N/A	140	130	115		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
International Equition															
International Equities	44.000.00	***	04 000/	0.400/	. ====		4 000/	44.070/	00.040/	04.000/	4.400/	4 000/		0.400/	0/04/0040
TIAA-CREF EMERGING MARKETS EQUITY FUND (TEMPX) Gross Expense Ratio	\$1,226.80	109	21.62%	0.19%	0.72%	N/A	1.92%	11.37%	23.84%	31.06%	1.13%	4.68%	N/A	2.42%	8/31/2010
BM: MS Emerging Market			17.22%	1.18%	0.81%		2.96%	7.87%	17.25%	27.41%	1.62%	4.54%		2.93%	
Fund vs.MS Emerging Market PG: Diversified Emerging Mkts M'star Category			440 16.40%	-99 0.71%	-9 1.20%		-104 N/A	350 N/A	659 N/A	365 23.72%	-49 0.99%	14 4.68%		-51 N/A	
Fund vs. Diversified Emerging Mkts Mistar Category			522	-52	-48		N/A	N/A	N/A	734	14	0		N/A	
PG: Fund % Rank in Diversified Emerging Mkts M'star Category			15%	65%	59%		N/A	N/A	N/A	9%	54%	48%		N/A	
PG: # of funds in Diversified Emerging Mkts M'star Category Fund Star Rating			811 N/A	629 ***	429 ***		N/A N/A	N/A N/A	N/A N/A	820 N/A	634 ***	441 ***		N/A N/A	
TIAA-CREF EMERGING MARKETS EQUITY INDEX FUND (TEQPX) Gross Expense Ratio	\$2,018.60	38 38	17.24%	1.01%	0.49%	N/A	3.05%	8.15%	17.89%	27.36%	1.47%	4.24%	N/A	2.40%	8/31/2010
BM: MS Emerging Market			17.22%	1.18%	0.81%		2.96%	7.87%	17.25%	27.41%	1.62%	4.54%		2.93%	
Fund vs.MS Emerging Market PG: Diversified Emerging Mkts M'star Category			2 16.40%	-17 0.71%	-32 1.20%		9 N/A	28 N/A	64 N/A	-5 23.72%	-15 0.99%	-30 4.68%		-53 N/A	
Fund vs. Diversified Emerging Mkts M'star Category			84	30	-71		N/A	N/A	N/A	364	48	-44		N/A	
PG: Fund % Rank in Diversified Emerging Mkts M'star Category			46%	49%	64%		N/A	N/A	N/A	27%	44%	59%		N/A	
PG: # of funds in Diversified Emerging Mkts M'star Category Fund Star Rating			811 N/A	629 ***	429 ***		N/A N/A	N/A N/A	N/A N/A	820 N/A	634	441 ***		N/A N/A	
TIAA-CREF INTERNATIONAL EQUITY FUND (TREPX) ^{5]} Gross Expense Ratio	\$4,699.60	64	10.44%	-1.21%	6.30%	0.85%	2.72%	14.91%	18.28%	16.88%	1.68%	11.35%	1.07%	5.02%	7/1/1999 9/30/2009
BM: Morgan Stanley EAFE Index		O-1	11.67%	0.50%	5.83%	1.05%	3.67%	9.23%	14.01%	16.44%	1.53%	10.21%	1.06%	4.00%	araurzuus
Fund vs.Morgan Stanley EAFE Index			-123	-171	47	-20	-95 N/A	568	427	44	15	114	1	102	
PG: Foreign Large Growth M'star Category Fund vs. Foreign Large Growth M'star Category			8.60% 184	1.07% -228	5.49% 81	1.90% -105	N/A N/A	N/A N/A	N/A N/A	15.29% 159	3.05% -137	9.65% 170	1.93% -86	N/A N/A	
PG: Fund % Rank in Foreign Large Growth M'star Category			29%	87%	31%	81%	N/A	N/A	N/A	34%	77%	15%	75%	N/A	
PG: # of funds in Foreign Large Growth M'star Category Fund Star Rating			400 N/A	324	276 ***	191	N/A N/A	N/A N/A	N/A N/A	400 N/A	323	272 ****	193 *	N/A N/A	
			IVA	•		^	IVA	IVA	IWA	IWA			•	N/A	
TIAA-CREF INTERNATIONAL EQUITY INDEX FUND (TRIPX) ^[5] Gross Expense Ratio	\$10,188.80	21	12.04%	0.50%	5.81%	1.09%	3.56%	9.55%	14.53%	16.60%	1.47%	10.15%	1.10%	8.02%	10/1/2002 9/30/2009
Gross Expense Ratio BM: Morgan Stanley EAFE Index		21	11.67%	0.50%	5.83%	1.05%	3.67%	9.23%	14.01%	16.44%	1.53%	10.21%	1.06%	8.00%	ar30r2009
Fund vs.Morgan Stanley EAFE Index			37	0	-2	4	-11	32	52	16	-6	-6	4	2	
PG: Foreign Large Blend M'star Category Fund vs. Foreign Large Blend M'star Category			10.88% 116	0.40% 10	5.02% 79	0.96% 13	N/A N/A	N/A N/A	N/A N/A	15.99% 61	1.55% -8	9.04% 111	0.99% 11	N/A N/A	
PG: Fund % Rank in Foreign Large Blend M'star Category			33%	49%	28%	38%	N/A	N/A	N/A	39%	52%	23%	42%	N/A	
PG: # of funds in Foreign Large Blend M'star Category			735 N/A	586 ***	525 ****	327	N/A	N/A	N/A	734 N/A	592 ***	528 ****	339 ***	N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
TIAA-CREF INTERNATIONAL OPPORTUNITIES FUND (TIOPX)	\$1,345.40	79	10.95%	0.34%	N/A	N/A	3.34%	10.02%	17.15%	17.14%	3.04%	N/A	N/A	4.76%	4/12/2013
Gross Expense Ratio BM: MSCI AC World Index ex USA		79	13.13%	0.56%			3.24%	8.13%	13.74%	18.24%	1.26%			4.29%	
Fund vs.MSCI AC World Index ex USA			-218	-22			10	189	341	-110	178			47	
PG: Foreign Large Growth M'star Category Fund vs. Foreign Large Growth M'star Category			8.60% 235	1.07% -73			N/A N/A	N/A N/A	N/A N/A	15.29% 185	3.05%			N/A N/A	
PG: Fund % Rank in Foreign Large Growth M'star Category			25%	65%			N/A N/A	N/A	N/A N/A	32%	46%			N/A	
PG: # of funds in Foreign Large Growth M'star Category			400	324			N/A	N/A	N/A	400	323			N/A	
Fund Star Rating			N/A	**			N/A	N/A	N/A	N/A	***			N/A	

			F	Previous Qu	arter-End Re vg. Annuai F	turns eturns				Current Mo	nth-End Retu	urns Avg. An	nuai Return	•	_
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net	Exp. Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception	Inc.
FUND	Assets (in \$Mil.) 05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
		,													
TIAA-CREF INTERNATIONAL SMALL-CAP EQUITY FUND (TPISX) ^[4]	\$870.70	87	N/A	N/A	N/A	N/A	3.57%	9.24%	17.19%	N/A	N/A	N/A	N/A	16.01%	12/9/2016
Gross Expense Ratio BM: MSCI ACWI ex-US Small Cap Index		87					2.71%	7.99%	15.08%					15.78%	
Fund vs.MSCI ACWI ex-US Small Cap Index							86	125	211					23	
PG: Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
Fund vs. Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
PG: Fund % Rank in Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
PG: # of funds in Foreign Small/Mid Blend M'star Category							N/A N/A	N/A	N/A					N/A	
Fund Star Rating							INA	N/A	N/A					N/A	
TIAA-CREF SOCIAL CHOICE INTERNATIONAL EQUITY FUND (TSOPX)	\$35.50	55	11.68%	N/A	N/A	N/A	2.95%	9.41%	14.07%	15.19%	N/A	N/A	N/A	4.21%	8/7/2015
Gross Expense Ratio		152													
BM: Morgan Stanley EAFE Index Fund vs.Morgan Stanley EAFE Index			11.67%				3.67% -72	9.23% 18	14.01% 6	16.44% -125				3.59% 62	
PG: Foreign Large Blend M'star Category			10.88%				N/A	N/A	N/A	15.99%				N/A	
Fund vs. Foreign Large Blend M'star Category			80				N/A	N/A	N/A	-80				N/A	
PG: Fund % Rank in Foreign Large Blend M'star Category			40%				N/A	N/A	N/A	61%				N/A	
PG: # of funds in Foreign Large Blend M'star Category			735				N/A	N/A	N/A	734				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
Fixed Income															
Fixed Income															
TIAA-CREF BOND FUND (TIDPX) ^[5] Gross Expense Ratio	\$4,120.80	46	2.04%	3.11%	3.16%	4.47%	0.70%	1.63%	2.77%	2.81%	3.00%	3.21%	4.67%	5.22%	7/1/1999 9/30/2009
Gross Expense Ratio BM: Bloomberg Barclays U.S. Aggregate Bond Index		40	0.44%	2.68%	2.34%	4.27%	0.77%	1.49%	2.38%	1.58%	2.53%	2.24%	4.46%	5.00%	9/30/2009
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			160	43	82	20	-7	14	39	123	47	97	21	22	
PG: Intermediate-Term Bond M'star Category			1.74%	2.41%	2.52%	4.06%	N/A	N/A	N/A	2.59%	2.28%	2.52%	4.26%	N/A	
Fund vs. Intermediate-Term Bond M'star Category			30	70	64	41	N/A	N/A	N/A	22	72	69	41	N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			38% 972	14% 851	21% 750	39% 538	N/A N/A	N/A N/A	N/A N/A	38% 978	13% 856	19% 757	39% 539	N/A N/A	
PG: # of funds in Intermediate-Term Bond M'star Category Fund Star Rating			9/2 N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
Tallo old Namy										1071					
TIAA-CREF BOND INDEX FUND (TBIPX) ^[5]	\$7,963.60	27	0.00%	2.44%	2.02%	N/A	0.65%	1.31%	2.25%	1.14%	2.23%	1.92%	N/A	3.35%	9/14/2009
Gross Expense Ratio		27													9/30/2009
BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44%	2.68% -24	2.34% -32		0.77% -12	1.49% -18	2.38%	1.58%	2.53% -30	2.24% -32		4.00% -65	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index PG: Intermediate-Term Bond M'star Category			1.74%	2.41%	2.52%		-12 N/A	-16 N/A	-13 N/A	2.59%	2.28%	2.52%		N/A	
Fund vs. Intermediate-Term Bond M'star Category			-174	3	-50		N/A	N/A	N/A	-145	-5	-60		N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			89%	50%	75%		N/A	N/A	N/A	88%	54%	78%		N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750		N/A	N/A	N/A	978	856	757		N/A	
Fund Star Rating			N/A	***	**		N/A	N/A	N/A	N/A	***	**		N/A	
TIAA-CREF BOND PLUS FUND (TBPPX) ^[5]	\$3,672.10	46	2.87%	3.28%	3.45%	4.51%	0.81%	1.66%	3.04%	3.50%	3.13%	3.50%	4.70%	4.75%	3/31/2006
Gross Expense Ratio		46													9/30/2009
BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44%	2.68%	2.34%	4.27%	0.77%	1.49%	2.38%	1.58%	2.53%	2.24%	4.46%	5.00%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index PG: Intermediate-Term Bond M'star Category			243 1.74%	60 2.41%	111 2.52%	24 4.06%	N/A	17 N/A	66 N/A	192 2.59%	60 2.28%	126 2.52%	24 4.26%	-25 N/A	
Fund vs. Intermediate-Term Bond M'star Category			113	87	93	45	N/A	N/A	N/A	91	85	98	44	N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			22%	11%	13%	37%	N/A	N/A	N/A	22%	9%	12%	37%	N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750	538	N/A	N/A	N/A	978	856	757	539	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF EMERGING MARKETS DEBT FUND (TEDPX)	\$319.00	80	13.44%	N/A	N/A	N/A	0.98%	3.55%	7.95%	14.05%	N/A	N/A	N/A	5.66%	9/26/2014
Gross Expense Ratio		84													
BM: JPMorgan EMBI Global Diversified Index			8.92%				0.88%	2.77%	6.34%	9.77%				6.08%	
Fund vs.JPMorgan EMBI Global Diversified Index PG: Emerging Markets Bond M'star Category			452 10.20%				10 N/A	78 N/A	161 N/A	428 10.89%				-42 N/A	
Fund vs. Emerging Markets Bond M'star Category			324				N/A	N/A	N/A N/A	316				N/A	
PG: Fund % Rank in Emerging Markets Bond M'star Category			17%				N/A	N/A	N/A	14%				N/A	
PG: # of funds in Emerging Markets Bond M'star Category			278				N/A	N/A	N/A	282				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
TIAA-CREF HIGH YIELD FUND (TIHPX) ^[5]	\$3,700.60	51	15.06%	4.13%	6.19%	6.97%	0.72%	1.27%	3.42%	12.67%	4.25%	6.60%	6.97%	7.26%	3/31/2006
Gross Expense Ratio		51													9/30/2009
BM: BofA ML BB-B Cash Pay Issuer Constrained Index (New)			13.78%	4.65%	6.60%	6.92%	0.82%	1.90%	4.38%	11.97%	4.78%	7.03%	6.95%	7.00%	
Fund vs.BofA ML BB-B Cash Pay Issuer Constrained Index (New) PG: High Yield Bond M'star Category			128 13.52%	-52 3.15%	-41 5.56%	5 5.86%	-10 N/A	-63 N/A	-96 N/A	70 11.53%	-53 3.27%	-43 6.09%	2 5.85%	26 N/A	
Fund vs. High Yield Bond Mistar Category			154	98	63	111	N/A	N/A	N/A	11.55%	98	51	112	N/A	
PG: Fund % Rank in High Yield Bond M'star Category			32%	19%	24%	11%	N/A	N/A	N/A	33%	21%	30%	12%	N/A	
PG: # of funds in High Yield Bond M'star Category			697	596	471	318	N/A	N/A	N/A	686	591	468	317	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF INFLATION-LINKED BOND FUND (TIKPX) ^[5,7]	\$2,585.00	42	0.97%	1.34%	0.41%	3.71%	0.00%	0.44%	1.32%	1.76%	0.35%	-0.22%	3.82%	4.10%	10/1/2002
Gross Expense Ratio	,	42					/9		/	270					9/30/2009
BM: Bloomberg Barclays US TIPS 1-10 Year Index			1.45%	1.46%	0.62%	3.59%	-0.05%	0.46%	1.45%	2.17%	0.71%	0.37%	3.66%	4.00%	
Fund vs.Bloomberg Barclays US TIPS 1-10 Year Index			-48	-12	-21	12	5	-2	-13	-41	-36	-59	16	10	
PG: Inflation-Protected Bond M'star Category Fund vs. Inflation-Protected Bond M'star Category			2.13%	1.17%	0.40% 1	3.30% 41	N/A N/A	N/A	N/A N/A	2.68%	0.37%	-0.08% -14	3.42%	N/A	
PG: Fund % Rank in Inflation-Protected Bond M'star Category			-116 81%	17 39%	1 46%	41	N/A N/A	N/A N/A	N/A N/A	-92 75%	-2 51%	-1 4 63%	40 42%	N/A N/A	
PG: # of funds in Inflation-Protected Bond M'star Category			237	195	165	108	N/A	N/A	N/A	235	202	172	112	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	**	***	N/A	

					orten Fred De					Comment Man	ath Ford Bote				
			-	AV	arter-End Re vg. Annual R	eturns				Current Wor	nth-End Retu	AVg. An	nuai Keturns		=
	T-t-ID (Cr.)	F	1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net Assets (in \$Mil.)	Exp. Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception	Inc.
FUND	05/31/17	(bps) [2]		03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
[4]															
TIAA-CREF INTERNATIONAL BOND FUND (TIBLX) ⁴¹ Gross Expense Ratio	\$282.80	80 84	N/A	N/A	N/A	N/A	0.62%	1.70%	2.77%	N/A	N/A	N/A	N/A	-0.16%	8/5/2016
BM: Bloomberg Barclays Global Aggregate ex-USD		04					0.43%	0.97%	1.09%					-0.59%	
Fund vs.Bloomberg Barclays Global Aggregate ex-USD							19	73	168					43	
PG: World Bond M'star Category							N/A	N/A	N/A					N/A	
Fund vs. World Bond M'star Category PG: Fund % Rank in World Bond M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
PG: # of funds in World Bond M'star Category							N/A	N/A	N/A					N/A	
Fund Star Rating							N/A	N/A	N/A					N/A	
TIAA-CREF SHORT-TERM BOND FUND (TSTPX) ^[5]															
Gross Expense Ratio	\$1,865.30	42 42	1.69%	1.25%	1.36%	2.71%	0.22%	0.62%	1.15%	1.88%	1.25%	1.38%	2.75%	2.95%	9/30/2009
BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index			0.71%	0.96%	0.93%	2.34%	0.17%	0.40%	0.76%	0.99%	0.95%	0.96%	2.35%	3.00%	
Fund vs.Bloomberg Barclays US 1-3 Yr Govt Credit Index			98	29	43	37	5	22	39	89	30	42	40	-5	
PG: Short-Term Bond M'star Category			1.66%	1.06%	1.29%	2.41%	N/A	N/A	N/A	1.93%	1.11%	1.36%	2.49%	N/A	
Fund vs. Short-Term Bond M'star Category PG: Fund % Rank in Short-Term Bond M'star Category			40%	19 38%	7 45%	30 38%	N/A N/A	N/A N/A	N/A N/A	-5 39%	14 40%	2 44%	26 40%	N/A N/A	
PG: # of funds in Short-Term Bond M'star Category			516	444	359	257	N/A	N/A	N/A	519	451	376	263	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF SHORT-TERM BOND INDEX FUND (TPSHX)	\$400.00	27	0 200/	N/A	N/A	N/A	0.199/	0.270/	0.63%	0.63%	N/A	N/A	N/A	0.729/	8/7/2045
Gross Expense Ratio	\$196.00	27 84	0.28%	N/A	N/A	N/A	0.19%	0.37%	0.63%	0.62%	N/A	N/A	N/A	0.72%	8/7/2015
BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index			0.71%				0.17%	0.40%	0.76%	0.99%				1.11%	
Fund vs.Bloomberg Barclays US 1-3 Yr Govt Credit Index			-43				2	-3	-13	-37				-39	
PG: Short-Term Bond M'star Category			1.66%				N/A	N/A	N/A	1.93%				N/A	
Fund vs. Short-Term Bond M'star Category PG: Fund % Rank in Short-Term Bond M'star Category			-138 85%				N/A N/A	N/A N/A	N/A N/A	-131 89%				N/A N/A	
PG: # of funds in Short-Term Bond M'star Category			516				N/A	N/A	N/A	519				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
TIAA-CREF SOCIAL CHOICE BOND FUND (TSBPX)	\$1,218.80	55	1.78%	3.69%	N/A	N/A	0.77%	1.58%	2.78%	2.49%	3.31%	N/A	N/A	3.22%	9/21/2012
Gross Expense Ratio	\$1,216.60	56	1.70%	3.09 /6	N/A	NA	0.77 /6	1.50 /6	2.16 /6	2.45 /6	3.31/6	N/A	N/A	3.22 /6	3/21/2012
BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44%	2.68%			0.77%	1.49%	2.38%	1.58%	2.53%			2.12%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			134	101			0	9	40	91	78			110	
PG: Intermediate-Term Bond M'star Category			1.74%	2.41%			N/A	N/A	N/A	2.59%	2.28%			N/A	
Fund vs. Intermediate-Term Bond M'star Category PG: Fund % Rank in Intermediate-Term Bond M'star Category			43%	128 4%			N/A N/A	N/A N/A	N/A N/A	-10 48%	103 6%			N/A N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851			N/A	N/A	N/A	978	856			N/A	
Fund Star Rating			N/A	****			N/A	N/A	N/A	N/A	****			N/A	
Multi-Asset															
TIAA-CREF LIFECYCLE 2010 FUND (TCTPX) ^[5]	\$1,224.00	52	8.66%	4.38%	6.17%	4.76%	1.06%	2.88%	6.12%	9.45%	4.57%	7.45%	4.63%	5.70%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2010 Fund Composite Index		64	7.43%	4.49%	6.04%	4.81%	1.03%	2.35%	5.29%	8.50%	4.40%	7.12%	4.65%	6.00%	9/30/2009
Fund vs.Lifecycle 2010 Fund Composite Index			123	-11	13	-5	3	53	83	95	17	33	-2	-30	
PG: Target-Date 2000-2010 M'star Category			7.24%	3.60%	5.20%	3.87%	N/A	N/A	N/A	8.03%	3.56%	6.28%	3.69%	N/A	
Fund vs. Target-Date 2000-2010 M'star Category			142	78	97	89	N/A	N/A	N/A	142	101	117	94	N/A	
PG: Fund % Rank in Target-Date 2000-2010 M'star Category PG: # of funds in Target-Date 2000-2010 M'star Category			17% 112	13% 87	9% 69	9% 46	N/A N/A	N/A N/A	N/A N/A	14% 111	5% 89	6% 69	7% 48	N/A N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2015 FUND (TCFPX) ^[5]	\$1,926.30	53	9.33%	4.62%	6.64%	4.78%	1.12%	3.12%	6.67%	10.28%	4.86%	8.13%	4.60%	5.91%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2015 Fund Composite Index		65	8.22%	4.76%	6.59%	4.83%	1.11%	2.52%	5.71%	9.32%	4.71%	7.86%	4.62%	6.00%	9/30/2009
Fund vs.Lifecycle 2015 Fund Composite Index			111	-14	5	-5	1	60	96	96	15	27	-2	-9	
PG: Target-Date 2015 M'star Category			8.01%	3.74%	5.80%	4.30%	N/A	N/A	N/A	8.84%	3.72%	7.09%	4.02%	N/A	
Fund vs. Target-Date 2015 M'star Category			132	88	84	48	N/A	N/A	N/A	144	114	104	58	N/A	
PG: Fund % Rank in Target-Date 2015 M'star Category PG: # of funds in Target-Date 2015 M'star Category			20% 135	16% 96	16% 71	14% 31	N/A N/A	N/A N/A	N/A N/A	17% 135	8% 99	13% 71	16% 33	N/A N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
IEI															
TIAA-CREF LIFECYCLE 2020 FUND (TCWPX) ^[5] Gross Expense Ratio	\$3,554.50	55	10.42%	4.89%	7.30%	4.82%	1.29%	3.45%	7.38%	11.44%	5.24%	9.04%	4.62%	6.08%	10/15/2004 9/30/2009
BM: Lifecycle 2020 Fund Composite Index		UI.	9.36%	5.12%	7.29%	4.90%	1.20%	2.73%	6.28%	10.49%	5.10%	8.79%	4.65%	6.00%	ar3012009
Fund vs.Lifecycle 2020 Fund Composite Index			106	-23	1	-8	9	72	110	95	14	25	-3	8	
PG: Target-Date 2020 M'star Category			8.54%	3.82%	5.72%	3.90%	N/A	N/A	N/A	9.33%	3.86%	7.03%	3.65%	N/A	
Fund vs. Target-Date 2020 M'star Category PG: Fund % Rank in Target-Date 2020 M'star Category			188 14%	107 11%	158 9%	92 14%	N/A N/A	N/A N/A	N/A N/A	211 15%	138 5%	201 6%	97 12%	N/A N/A	
PG: # of funds in Target-Date 2020 M star Category PG: # of funds in Target-Date 2020 M'star Category			225	181	147	79	N/A	N/A	N/A N/A	231	183	148	82	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2025 FUND (TCQPX) ^[5]	\$2.000 TO	FC	44 500/	F 400'	7.0404	4.0001	4.002	2 722	7.000	40.670	F. C42'	0.000/	4.000	C 0401	40/4=/00-
Gross Expense Ratio	\$3,868.70	56	11.56%	5.19%	7.94%	4.82%	1.28%	3.73%	7.98%	12.67%	5.61%	9.92%	4.61%	6.24%	9/30/2009
BM: Lifecycle 2025 Fund Composite Index			10.65%	5.51%	8.02%	4.97%	1.30%	2.97%	6.92%	11.81%	5.53%	9.75%	4.69%	6.00%	
Fund vs.Lifecycle 2025 Fund Composite Index			91	-32	-8	-15	-2	76	106	86	8	17	-8	24	
PG: Target-Date 2025 M'star Category			10.10%	4.31%	6.77%	4.36%	N/A	N/A	N/A	11.13%	4.46%	8.45%	4.07%	N/A	
Fund vs. Target-Date 2025 M'star Category PG: Fund % Rank in Target-Date 2025 M'star Category			146 19%	88 16%	117 15%	46 28%	N/A N/A	N/A N/A	N/A N/A	154 17%	115 7%	147 14%	54 27%	N/A N/A	
PG: # of funds in Target-Date 2025 M'star Category			199	154	114	41	N/A	N/A	N/A	199	157	115	46	N/A	

			F		arter-End Re					Current Mo	nth-End Ret	ırns AVG. An	nuai Return		_
	Total Portfolio Net	Exp.	1 Year 04/01/16	3 Year 04/01/14	5 Year 04/01/12	10 Year 04/01/07	1 Month 05/01/17	3 Month 03/01/17	YTD 01/01/17	1 Year 06/01/16	3 Year 06/01/14	5 Year 06/01/12	10 Year 06/01/07	Since Inception	_
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	Inc. Date
TIAA-CREF LIFECYCLE 2030 FUND (TCHPX) ^[5]	\$3,762.50	57	12.87%	5.47%	8.53%	4.83%	1.38%	4.05%	8.67%	13.85%	5.96%	10.76%	4.57%	6.34%	10/15/2004
Gross Expense Ratio	.,,	69													9/30/2009
BM: Lifecycle 2030 Fund Composite Index Fund vs.Lifecycle 2030 Fund Composite Index			11.94% 93	5.89% -42	8.72% -19	5.03% -20	1.40% -2	3.21% 84	7.57% 110	13.15% 70	5.95% 1	10.70% 6	4.72% -15	7.00% -66	
PG: Target-Date 2030 M'star Category			11.49%	4.65%	7.12%	4.21%	N/A	N/A	N/A	12.44%	4.81%	8.99%	3.87%	N/A	
Fund vs. Target-Date 2030 M'star Category			138	82	141	62	N/A	N/A	N/A	141	115	177	70	N/A	
PG: Fund % Rank in Target-Date 2030 M'star Category PG: # of funds in Target-Date 2030 M'star Category			14% 225	18% 181	11% 147	27% 79	N/A N/A	N/A N/A	N/A N/A	16% 231	9% 183	10% 148	24% 82	N/A N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2035 FUND (TCYPX) ^[5]	\$3,794.50	58	13.96%	5.67%	9.03%	4.99%	1.56%	4.41%	9.46%	15.25%	6.29%	11.56%	4.75%	6.63%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2035 Fund Composite Index		70	13.27%	6.20%	9.37%	5.27%	1.48%	3.42%	8.18%	14.50%	6.30%	11.59%	4.94%	7.00%	9/30/2009
Fund vs.Lifecycle 2035 Fund Composite Index			69	-53	-34	-28	8	99	128	75	-1	-3	-19	-37	
PG: Target-Date 2035 M'star Category			12.76%	5.00%	7.91%	4.71%	N/A	N/A	N/A	14.00%	5.26%	10.07%	4.34%	N/A	
Fund vs. Target-Date 2035 M'star Category			120 15%	67 23%	112 14%	28 35%	N/A N/A	N/A N/A	N/A	125	103	149	41	N/A	
PG: Fund % Rank in Target-Date 2035 M'star Category PG: # of funds in Target-Date 2035 M'star Category			199	154	14%	35% 41	N/A N/A	N/A N/A	N/A N/A	18% 199	11% 157	9% 115	29% 46	N/A N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF LIFECYCLE 2040 FUND (TCZPX) ^[5]	\$4,726.60	59	15.16%	5.86%	9.42%	5.23%	1.55%	4.70%	10.09%	16.30%	6.55%	12.05%	4.96%	6.96%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2040 Fund Composite Index		70	14.62%	6.50%	9.84%	5.52%	1.55%	3.61%	8.78%	15.87%	6.63%	12.16%	5.19%	7.00%	9/30/2009
Fund vs.Lifecycle 2040 Fund Composite Index			54	-64	9.04% -42	-29	0	109	131	43	-8	-11	-23	-4	
PG: Target-Date 2040 M'star Category			13.47%	5.14%	7.96%	4.43%	N/A	N/A	N/A	14.58%	5.38%	10.18%	4.07%	N/A	
Fund vs. Target-Date 2040 M'star Category			169	72	146	80	N/A	N/A	N/A	172	117	187	89	N/A	
PG: Fund % Rank in Target-Date 2040 M'star Category PG: # of funds in Target-Date 2040 M'star Category			11% 225	19% 181	10% 147	23% 79	N/A N/A	N/A N/A	N/A N/A	13% 231	9% 183	7% 148	21% 82	N/A N/A	
Fund Star Rating			N/A	***	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2045 FUND (TTFPX) ^[5]	\$2,254.70	60	15.67%	6.01%	9.52%	N/A	1.65%	4.85%	10.40%	16.88%	6.70%	12.15%	N/A	5.05%	11/30/2007
Gross Expense Ratio BM: Lifecycle 2045 Fund Composite Index		72	15.14%	6.68%	9.95%		1.58%	3.70%	9.03%	16.41%	6.83%	12.29%		6.00%	9/30/2009
Fund vs.Lifecycle 2045 Fund Composite Index			53	-67	-43		7	115	137	47	-13	-14		-95	
PG: Target-Date 2045 M'star Category			13.97% 170	5.31% 70	8.44% 108		N/A N/A	N/A N/A	N/A N/A	15.33% 155	5.62% 108	10.80% 135		N/A N/A	
Fund vs. Target-Date 2045 M'star Category PG: Fund % Rank in Target-Date 2045 M'star Category			7%	19%	108		N/A N/A	N/A N/A	N/A N/A	9%	108	135		N/A N/A	
PG: # of funds in Target-Date 2045 M'star Category			199	154	113		N/A	N/A	N/A	199	157	114		N/A	
Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE 2050 FUND (TCLPX) ^[5]	\$1,423.60	60	15.79%	6.10%	9.56%	N/A	1.65%	4.83%	10.46%	16.99%	6.78%	12.19%	N/A	5.04%	11/30/2007
Gross Expense Ratio		73													9/30/2009
BM: Lifecycle 2050 Fund Composite Index Fund vs.Lifecycle 2050 Fund Composite Index			15.35% 44	6.77% -67	10.00% -44		1.60%	3.73% 110	9.13% 133	16.63% 36	6.92% -14	12.35% -16		6.00% -96	
PG: Target-Date 2050 M'star Category			14.15%	5.37%	8.32%		N/A	N/A	N/A	15.28%	5.63%	10.65%		N/A	
Fund vs. Target-Date 2050 M'star Category			164	73	124		N/A	N/A	N/A	171	115	154		N/A	
PG: Fund % Rank in Target-Date 2050 M'star Category			8%	21%	11%		N/A	N/A	N/A	8%	8%	7%		N/A	
PG: # of funds in Target-Date 2050 M'star Category Fund Star Rating			217 N/A	173 ***	136 ****		N/A N/A	N/A N/A	N/A N/A	224 N/A	175 ****	137		N/A N/A	
THA OPER LIFECUOI E OOFF FUND (TERRY)	\$366.70	60	15.98%	6.13%	9.58%	N/A	1.69%	4.91%	10.59%	17.27%	6.86%	12.23%	N/A	8.42%	4/00/0044
TIAA-CREF LIFECYCLE 2055 FUND (TTRPX) Gross Expense Ratio	\$366.70	79	15.98%	6.13%	9.58%	N/A	1.69%	4.91%		17.27%	6.86%	12.23%	N/A		4/29/2011
BM: Lifecycle 2055 Fund Composite Index			15.56% 42	6.85% -72	10.06% -48		1.61%	3.76% 115	9.22%	16.84% 43	7.01% -15	12.41% -18		8.87% -45	
Fund vs.Lifecycle 2055 Fund Composite Index PG: Target-Date 2055 M'star Category			14.22%	-72 5.50%	-48 8.76%		N/A	115 N/A	137 N/A	43 15.60%	-15 5.80%	-18 11.21%		-45 N/A	
Fund vs. Target-Date 2055 M'star Category			176	63	82		N/A	N/A	N/A	167	106	102		N/A	
PG: Fund % Rank in Target-Date 2055 M'star Category			3%	24%	17%		N/A	N/A	N/A	6%	9%	11%		N/A	
PG: # of funds in Target-Date 2055 M'star Category Fund Star Rating			197 N/A	141	86 ****		N/A N/A	N/A N/A	N/A N/A	197 N/A	144	86 ****		N/A N/A	
	***														0.000.0044
TIAA-CREF LIFECYCLE 2060 FUND (TLXPX) Gross Expense Ratio	\$36.50	60 175	16.09%	N/A	N/A	N/A	1.69%	4.96%	10.66%	17.41%	N/A	N/A	N/A	7.53%	9/26/2014
BM: Lifecycle 2060 Fund Composite Index			15.78% 31				1.62%	3.79% 117	9.32%	17.06%				7.51%	
Fund vs.Lifecycle 2060 Fund Composite Index PG: Target-Date 2060+ M'star Category			14.41%				N/A	N/A	134 N/A	35 15.78%				2 N/A	
Fund vs. Target-Date 2060+ M'star Category			168				N/A	N/A	N/A	163				N/A	
PG: Fund % Rank in Target-Date 2060+ M'star Category			3%				N/A	N/A	N/A	6%				N/A	
PG: # of funds in Target-Date 2060+ M'star Category Fund Star Rating			135 N/A				N/A N/A	N/A N/A	N/A N/A	134 N/A				N/A N/A	
TIAA-CREF LIFECYCLE INDEX 2010 FUND (TLTPX)	\$295.30	25	7.12%	4.35%	5.84%	N/A	0.97%	2.39%	5.36%	8.19%	4.23%	6.91%	N/A	7.04%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2010 Composite Benchmark		42	7.41%	4.60%	6.14%		1.07%	2.45%	5.40%	8.57%	4.49%	7.21%		7.35%	
Fund vs.Lifecycle Index 2010 Composite Benchmark			-29	-25	-30		-10	-6	-4	-38	-26	-30		-31	
PG: Target-Date 2000-2010 M'star Category			7.24%	3.60%	5.20%		N/A	N/A	N/A	8.03%	3.56%	6.28%		N/A	
Fund vs. Target-Date 2000-2010 M'star Category			-12	75	64		N/A	N/A	N/A	16	67	63		N/A	
PG: Fund % Rank in Target-Date 2000-2010 M'star Category PG: # of funds in Target-Date 2000-2010 M'star Category			68% 112	14% 87	24% 69		N/A N/A	N/A N/A	N/A N/A	51% 111	17% 89	30% 69		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2015 FUND (TLFPX)	\$566.10	25	7.91%	4.62%	6.37%	N/A	1.07%	2.58%	5.82%	9.15%	4.54%	7.64%	N/A	7.52%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2015 Composite Benchmark		40	8.19%	4.85%	6.67%		1.15%	2.63%	5.83%	9.40%	4.79%	7.94%		7.84%	
Fund vs.Lifecycle Index 2015 Composite Benchmark			-28	-23	-30		-8	-5	-1	-25	-25	-30		-32	
			8.01%	3.74%	5.80%		N/A	N/A	N/A	8.84%	3.72%	7.09%		N/A	
PG: Target-Date 2015 M'star Category			40	00	67		NICE		B1/ *						
Fund vs. Target-Date 2015 M'star Category			-10 58%	88 17%	57 30%		N/A N/A	N/A N/A	N/A N/A	31 46%	82 20%	55 33%		N/A N/A	
			-10 58% 135		57 30% 71			N/A N/A N/A	N/A N/A N/A	31 46% 135	82 20% 99			N/A N/A N/A	

			1	Previous Qu				_	_	Current Mo	nth-End Reti	urns	_	_	_
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net Assets (in \$Mil.)	Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF LIFECYCLE INDEX 2020 FUND (TLWPX)	\$1,151.40	25	9.08%	4.94%	7.06%	N/A	1.22%	2.80%	6.40%	10.32%	4.92%	8.57%	N/A	8.11%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2020 Composite Benchmark		37	9.33%	5.18%	7.35%		1.25%	2.85%	6.42%	10.58%	5.18%	8.86%		8.43%	
Fund vs.Lifecycle Index 2020 Composite Benchmark			-25	-24	-29		-3	-5	-2	-26	-26	-29		-32	
PG: Target-Date 2020 M'star Category Fund vs. Target-Date 2020 M'star Category			8.54% 54	3.82% 112	5.72% 134		N/A N/A	N/A N/A	N/A N/A	9.33% 99	3.86% 106	7.03% 154		N/A N/A	
PG: Fund % Rank in Target-Date 2020 M'star Category			40%	10%	13%		N/A	N/A	N/A	31%	12%	13%		N/A	
PG: # of funds in Target-Date 2020 M'star Category Fund Star Rating			225 N/A	181	147		N/A N/A	N/A N/A	N/A N/A	231 N/A	183	148		N/A N/A	
•	\$1,256.50	25	10.34%	5.33%	7.76%	N/A	1.29%	3.07%	7.09%	11.66%	5.34%	9.50%	N/A	8.73%	9/30/2009
TIAA-CREF LIFECYCLE INDEX 2025 FUND (TLVPX) Gross Expense Ratio	\$1,256.50	37				N/A							N/A		9/30/2009
BM: Lifecycle Index 2025 Composite Benchmark Fund vs.Lifecycle Index 2025 Composite Benchmark			10.61% -27	5.55% -22	8.05% -29		1.36%	3.11% -4	7.08% 1	11.92% -26	5.60% -26	9.81% -31		9.03%	
PG: Target-Date 2025 M'star Category			10.10%	4.31%	6.77%		N/A	N/A	N/A	11.13%	4.46%	8.45%		N/A	
Fund vs. Target-Date 2025 M'star Category			24	102	99		N/A	N/A	N/A	53	88	105		N/A	
PG: Fund % Rank in Target-Date 2025 M'star Category PG: # of funds in Target-Date 2025 M'star Category			44% 199	9% 154	20% 114		N/A N/A	N/A N/A	N/A N/A	38% 199	15% 157	24% 115		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2030 FUND (TLHPX)	\$1,310.40	25	11.66%	5.67%	8.45%	N/A	1.36%	3.31%	7.73%	12.97%	5.76%	10.44%	N/A	9.34%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2030 Composite Benchmark		36	11.90%	5.91%	8.75%		1.47%	3.37%	7.75%	13.27%	6.02%	10.75%		9.64%	
Fund vs.Lifecycle Index 2030 Composite Benchmark			-24	-24	-30		-11	-6	-2	-30	-26	-31		-30	
PG: Target-Date 2030 M'star Category			11.49%	4.65%	7.12%		N/A	N/A	N/A	12.44%	4.81%	8.99%		N/A	
Fund vs. Target-Date 2030 M'star Category PG: Fund % Rank in Target-Date 2030 M'star Category			17 49%	102 11%	133 13%		N/A N/A	N/A N/A	N/A N/A	53 42%	95 16%	145 17%		N/A N/A	
PG: # of funds in Target-Date 2030 M'star Category			225	181	147		N/A	N/A	N/A	231	183	148		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2035 FUND (TLYPX) Gross Expense Ratio	\$1,257.50	25 36	13.01%	6.00%	9.11%	N/A	1.54%	3.61%	8.47%	14.45%	6.13%	11.35%	N/A	9.91%	9/30/2009
BM: Lifecycle Index 2035 Composite Benchmark			13.22%	6.23%	9.40%		1.56%	3.60%	8.39%	14.64%	6.37%	11.64%		10.21%	
Fund vs.Lifecycle Index 2035 Composite Benchmark PG: Target-Date 2035 M'star Category			-21 12.76%	-23 5.00%	-29 7.91%		-2 N/A	1 N/A	8 N/A	-19 14.00%	-24 5.26%	-29 10.07%		-30 N/A	
Fund vs. Target-Date 2035 M'star Category			25	100	120		N/A	N/A	N/A	45	87	128		N/A	
PG: Fund % Rank in Target-Date 2035 M'star Category			42%	11%	10%		N/A	N/A	N/A	34%	16%	16%		N/A	
PG: # of funds in Target-Date 2035 M'star Category Fund Star Rating			199 N/A	154 ****	114		N/A N/A	N/A N/A	N/A N/A	199 N/A	157 ****	115 ****		N/A N/A	
TIAA-CREF LIFECYCLE INDEX 2040 FUND (TLPRX) Gross Expense Ratio	\$1,365.50	25 35	14.36%	6.30%	9.59%	N/A	1.56%	3.82%	9.04%	15.81%	6.46%	11.94%	N/A	10.26%	9/30/2009
BM: Lifecycle Index 2040 Composite Benchmark			14.57%	6.53%	9.87%		1.63%	3.81%	9.01%	16.02%	6.71%	12.23%		10.56%	
Fund vs.Lifecycle Index 2040 Composite Benchmark PG: Target-Date 2040 M'star Category			-21 13.47%	-23 5.14%	-28 7.96%		-7 N/A	1 N/A	3 N/A	-21 14.58%	-25 5.38%	-29 10.18%		-30 N/A	
Fund vs. Target-Date 2040 M'star Category			89	116	163		N/A	N/A	N/A	123	108	176		N/A	
PG: Fund % Rank in Target-Date 2040 M'star Category			21%	8%	6%		N/A	N/A	N/A	22%	9%	8%		N/A	
PG: # of funds in Target-Date 2040 M'star Category Fund Star Rating			225 N/A	181	147		N/A N/A	N/A N/A	N/A N/A	231 N/A	183	148		N/A N/A	
	****		44.000/				4 000/	0.000/				40.040/			0/00/0000
TIAA-CREF LIFECYCLE INDEX 2045 FUND (TLMPX) Gross Expense Ratio	\$814.20	25 37	14.93%	6.46%	9.69%	N/A	1.62%	3.93%	9.29%	16.37%	6.66%	12.04%	N/A	10.33%	9/30/2009
BM: Lifecycle Index 2045 Composite Benchmark Fund vs.Lifecycle Index 2045 Composite Benchmark			15.09% -16	6.71% -25	9.98%		1.67% -5	3.91% 2	9.28%	16.57% -20	6.91% -25	12.35% -31		10.64% -31	
PG: Target-Date 2045 M'star Category			13.97%	5.31%	8.44%		N/A	N/A	N/A	15.33%	5.62%	10.80%		N/A	
Fund vs. Target-Date 2045 M'star Category			96	115	125		N/A	N/A	N/A	104	104	124		N/A	
PG: Fund % Rank in Target-Date 2045 M'star Category PG: # of funds in Target-Date 2045 M'star Category			21% 199	8% 154	8% 113		N/A N/A	N/A N/A	N/A N/A	17% 199	9% 157	10% 114		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2050 FUND (TLLPX)	\$574.60	25	15.11%	6.55%	9.75%	N/A	1.67%	3.98%	9.46%	16.61%	6.76%	12.11%	N/A	10.38%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2050 Composite Benchmark		38	15.30%	6.80%	10.03%		1.68%	3.94%	9.37%	16.79%	7.00%	12.41%		10.68%	
Fund vs.Lifecycle Index 2050 Composite Benchmark			-19	-25	-28		-1	4	9	-18	-24	-30		-30	
PG: Target-Date 2050 M'star Category			14.15%	5.37%	8.32%		N/A	N/A	N/A	15.28%	5.63%	10.65%		N/A	
Fund vs. Target-Date 2050 M'star Category PG: Fund % Rank in Target-Date 2050 M'star Category			96 24%	118 7%	143 6%		N/A N/A	N/A N/A	N/A N/A	133 16%	113 9%	146 9%		N/A N/A	
PG: # of funds in Target-Date 2050 M'star Category			217	173	136		N/A	N/A	N/A	224	175	137		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2055 FUND (TTIPX) Gross Expense Ratio	\$172.50	25 55	15.33%	6.62%	9.80%	N/A	1.67%	3.98%	9.50%	16.77%	6.84%	12.18%	N/A	8.65%	4/29/2011
BM: Lifecycle Index 2055 Composite Benchmark			15.51% -18	6.88%	10.08%		1.70%	3.97%	9.47%	17.01%	7.10%	12.47%		8.92%	
Fund vs.Lifecycle Index 2055 Composite Benchmark PG: Target-Date 2055 M'star Category			-18 14.22%	-26 5.50%	-28 8.76%		-3 N/A	1 N/A	3 N/A	-24 15.60%	-26 5.80%	-29 11.21%		-27 N/A	
Fund vs. Target-Date 2055 M'star Category			111	112	104		N/A	N/A	N/A	117	104	97		N/A	
PG: Fund % Rank in Target-Date 2055 M'star Category PG: # of funds in Target-Date 2055 M'star Category			18% 197	5% 141	10% 86		N/A N/A	N/A N/A	N/A N/A	17% 197	10% 144	12% 86		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVIPX)	\$25.80	25	15.51%	N/A	N/A	N/A	1.71%	4.06%	9.62%	17.05%	N/A	N/A	N/A	7.38%	9/26/2014
Gross Expense Ratio BM: Lifecycle Index 2060 Composite Benchmark		142	15.72%				1.71%	4.01%	9.57%	17.22%				7.64%	
Fund vs.Lifecycle Index 2060 Composite Benchmark PG: Target-Date 2060+ M'star Category			-21 14.41%				0 N/A	5 N/A	5 N/A	-17 15.78%				-26 N/A	
Fund vs. Target-Date 2060+ M'star Category Fund vs. Target-Date 2060+ M'star Category			110				N/A N/A	N/A N/A	N/A N/A	15.78%				N/A N/A	
PG: Fund % Rank in Target-Date 2060+ M'star Category			17%				N/A	N/A	N/A	14%				N/A	
PG: # of funds in Target-Date 2060+ M'star Category Fund Star Rating			135 N/A				N/A N/A	N/A N/A	N/A N/A	134 N/A				N/A N/A	
			1,,,,,				1								

		_	l p	Previous Qua	arter-End Re	turns		_	_	Current Mo	nth-End Reti	urns	_	_	
			<u> </u>	A\	vg. Annuai F	eturns				Current Mo		Avg. An	nuai keturn		_
	Turibure No		1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net Assets (in \$Mil.)	Exp. Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF LIFECYCLE INDEX RETIREMENT INCOME FUND (TLIPX) Gross Expense Ratio	\$127.50	25 56	6.60%	4.16%	5.30%	N/A	1.02%	2.33%	5.13%	7.73%	4.01%	6.14%	N/A	6.51%	9/30/2009
BM: Lifecycle Index Retirement Income Composite Benchmark		50	6.84%	4.40%	5.59%		1.02%	2.34%	5.11%	7.99%	4.27%	6.44%		6.83%	
Fund vs.Lifecycle Index Retirement Income Composite Benchmark			-24	-24	-29		0	-1	2	-26	-26	-30		-32	
PG: Target-Date Retirement M'star Category			6.03%	2.94%	3.94%		N/A	N/A	N/A	6.64%	2.90%	4.62%		N/A	
Fund vs. Target-Date Retirement M'star Category			57	122	136		N/A	N/A	N/A	109	111	152		N/A	
PG: Fund % Rank in Target-Date Retirement M'star Category PG: # of funds in Target-Date Retirement M'star Category			32% 171	4% 133	8% 113		N/A N/A	N/A N/A	N/A N/A	23% 171	9% 136	10% 114		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE RETIREMENT INCOME FUND (TPILX) ^[5]	\$495.20	52	8.13%	4.14%	5.66%	N/A	1.06%	2.82%	5.86%	8.93%	4.35%	6.72%	N/A	4.76%	11/30/2007
Gross Expense Ratio BM: Lifecycle Retirement Income Fund Composite Index		67	6.86%	4.26%	5.48%		0.99%	2.25%	5.01%	7.92%	4.17%	6.34%		5.00%	9/30/2009
Fund vs.Lifecycle Retirement Income Fund Composite Index			127	-12	18		7	57	85	101	18	38		-24	
PG: Target-Date Retirement M'star Category			6.03%	2.94%	3.94%		N/A	N/A	N/A	6.64%	2.90%	4.62%		N/A	
Fund vs. Target-Date Retirement M'star Category			210	120	172		N/A	N/A	N/A	229	145	210		N/A	
PG: Fund % Rank in Target-Date Retirement M'star Category			12%	4%	2%		N/A	N/A	N/A	9%	1%	4%		N/A	
PG: # of funds in Target-Date Retirement M'star Category Fund Star Rating			171 N/A	133	113		N/A N/A	N/A N/A	N/A N/A	171 N/A	136	114		N/A N/A	
Fullu Stal Ratilig			IN/A	****	*****		IN/A	IN/A	INA	IN/A	*****	*****		IN/A	
TIAA-CREF LIFESTYLE AGGRESSIVE GROWTH FUND (TSAPX)	\$68.00	71	16.59%	6.18%	10.19%	N/A	1.79%	5.36%	11.34%	17.95%	7.04%	13.21%	N/A	12.56%	12/9/2011
Gross Expense Ratio		102	l												
BM: Lifestyle Aggressive Composite Benchmark			16.69%	6.99%	10.54%		1.67%	3.92%	9.72%	17.98%	7.17%	13.23%		12.52% 4	
Fund vs.Lifestyle Aggressive Composite Benchmark PG: Allocation85%+ Equity M'star Category			-10 14.91%	-81 5.37%	-35 9.09%		12 N/A	144 N/A	162 N/A	-3 15.54%	-13 5.65%	-2 11.62%		4 N/A	
Fund vs. Allocation85%+ Equity M'star Category			168	81	110		N/A	N/A	N/A	241	139	159		N/A	
PG: Fund % Rank in Allocation85%+ Equity M'star Category			18%	26%	17%		N/A	N/A	N/A	10%	9%	7%		N/A	
PG: # of funds in Allocation85%+ Equity M'star Category			161	139	125		N/A	N/A	N/A	167	147	123		N/A	
Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE CONSERVATIVE FUND (TLSPX)	\$179.10	62	7.94%	4.06%	5.73%	N/A	1.07%	2.89%	5.90%	8.77%	4.34%	6.89%	N/A	6.89%	12/9/2011
Gross Expense Ratio		76													
BM: Lifestyle Conservative Composite Benchmark			6.78%	4.18%	5.43%		1.01%	2.24%	4.94%	7.80%	4.19%	6.38%		6.31%	
Fund vs.Lifestyle Conservative Composite Benchmark			116	-12	30		6	65	96	97	15	51		58	
PG: Allocation30% to 50% Equity M'star Category Fund vs. Allocation30% to 50% Equity M'star Category			8.03% -9	3.25% 81	5.13% 60		N/A N/A	N/A N/A	N/A N/A	8.10% 67	3.16% 118	6.12% 77		N/A N/A	
PG: Fund % Rank in Allocation30% to 50% Equity M'star Category			47%	23%	30%		N/A	N/A	N/A	34%	15%	26%		N/A	
PG: # of funds in Allocation30% to 50% Equity M'star Category			513	408	350		N/A	N/A	N/A	506	401	349		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE GROWTH FUND (TSGPX)	\$106.70	68	13.74%	5.62%	8.88%	N/A	1.54%	4.61%	9.66%	15.01%	6.26%	11.25%	N/A	10.86%	12/9/2011
Gross Expense Ratio	\$100.70	87	13.7476	5.62 /6	0.00 /0	N/A	1.54 /6	4.01/6	3.00 /6	15.01/6	0.20 /6	11.25%	N/A	10.86 /6	12/3/2011
BM: Lifestyle Growth Composite Benchmark			13.29%	6.22%	8.96%		1.49%	3.44%	8.22%	14.56%	6.33%	11.04%		10.58%	
Fund vs.Lifestyle Growth Composite Benchmark			45	-60	-8		5	117	144	45	-7	21		28	
PG: Allocation70% to 85% Equity M'star Category			12.55%	4.51%	7.85%		N/A	N/A	N/A	12.90%	4.66%	9.86%		N/A	
Fund vs. Allocation70% to 85% Equity M'star Category PG: Fund % Rank in Allocation70% to 85% Equity M'star Category			119 27%	111 23%	103 18%		N/A N/A	N/A N/A	N/A N/A	211 15%	160 11%	139 12%		N/A N/A	
PG: # of funds in Allocation70% to 85% Equity M'star Category			397	347	286		N/A	N/A	N/A	377	334	290		N/A	
Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE INCOME FUND (TSIPX) Gross Expense Ratio	\$65.70	58 86	5.01%	3.03%	3.90%	N/A	0.73%	1.97%	3.88%	5.46%	3.12%	4.46%	N/A	4.61%	12/9/2011
BM: Lifestyle Income Composite Benchmark		00	3.66%	2.93%	3.49%		0.71%	1.54%	3.16%	4.48%	2.90%	3.93%		4.01%	
Fund vs.Lifestyle Income Composite Benchmark			135	10	41		2	43	72	98	22	53		60	
PG: Allocation15% to 30% Equity M'star Category			5.78%	2.49%	3.37%		N/A	N/A	N/A	5.96%	2.35%	3.98%		N/A	
Fund vs. Allocation15% to 30% Equity M'star Category			-77	54	53		N/A	N/A	N/A	-50	77	48		N/A	
PG: Fund % Rank in Allocation15% to 30% Equity M'star Category			64%	37%	41%		N/A	N/A	N/A	65%	32%	41%		N/A	
PG: # of funds in Allocation15% to 30% Equity M'star Category Fund Star Rating			202 N/A	171 ***	151 ***		N/A N/A	N/A N/A	N/A N/A	209 N/A	180 ****	148 ***		N/A N/A	
· ·															
TIAA-CREF LIFESTYLE MODERATE FUND (TSMPX)	\$259.80	66	11.08%	5.11%	7.59%	N/A	1.35%	3.89%	8.04%	12.10%	5.57%	9.33%	N/A	9.20%	12/9/2011
Gross Expense Ratio		77	0.070	E 4001	7.050/		4.040/	2.052	6.740/	44.000/	E 4401	0.050/		0.040/	
BM: Lifestyle Moderate Composite Benchmark Fund vs.Lifestyle Moderate Composite Benchmark			9.97% 111	5.40% -29	7.35% 24		1.31%	2.95% 94	6.74% 130	11.20% 90	5.44% 13	8.85% 48		8.61% 59	
PG: Allocation50% to 70% Equity M'star Category			10.53%	4.43%	7.04%		N/A	N/A	N/A	10.66%	4.36%	8.43%		N/A	
Fund vs. Allocation-50% to 70% Equity M'star Category			55	68	55		N/A	N/A	N/A	144	121	90		N/A	
PG: Fund % Rank in Allocation50% to 70% Equity M'star Category			31%	38%	37%		N/A	N/A	N/A	20%	25%	32%		N/A	
PG: # of funds in Allocation50% to 70% Equity M'star Category			824	721	616		N/A	N/A	N/A	830	727	653		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	****	****		N/A	
			1				•								

															/
			F	revious Qua	arter-End Re	turns				Current Mo	nth-End Ret	urns			
				A\	/g. Annuai R	eturns						Avg. An	nuai Return		
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Money Market															
TIAA-CREF MONEY MARKET FUND (TPPXX)[3,5,6]	\$910.50	29	0.19%	0.06%	0.04%	0.73%	0.04%	0.11%	0.16%	0.24%	0.09%	0.05%	0.65%	1.90%	7/1/1999
Gross Expense Ratio		29													9/30/200
BM: iMoneynet Money Fund AveragesTM-All Government			0.12%	0.05%	0.03%	0.52%	0.03%	0.08%	0.11%	0.16%	0.07%	0.05%	0.45%	1.54%	
Fund vs.iMoneynet Money Fund AveragesTM-All Government			7	1	1	21	1	3	5	8	2	0	20	36	
7-Day Effective Yield as of 05/31/2017: 0.55%															
7-Day Current Yield as of 05/31/2017: 0.55%															
MUTUAL FUND TOTAL O[1]	602.046.70						•								

\$93,816.70

- BM = Benchmark; PG = Peer Group; % Rank within Morningstar Category: 1 = Best 100 = Worst; Morningstar Category Returns are equal-weighted
- [1] Combined Mutual Funds' Net Assets exclude the Managed Allocation Fund, Lifecycle Funds, and Lifestyle Funds
- [2] The net expense ratio (top number) represents expenses after reimbursement and waivers, and is what participants actually pay. The number below represents the gross expense ratio, before consideration for reimbursements and/or
- [3] The "Since Inception" benchmark performance shown is computed from August 1999
- [4] The "Since Inception" values presented are cumulative values and not average annualized total returns.
- [5] The Premier Class began operations on September 30, 2009. Where a product lists two inception dates, the top date reflects the inception date of the product's oldest share class, and the bottom date represents the date of inception for the Share Class being reported. Performance shown for periods prior to the inception of the Premier Class reflects the performance of the Institutional Class, and has not been adjusted to reflect the expenses of the Premier Class.

 [6] Beginning October 1, 2009, part or all of the 12b-1 distribution and investment management fees of the Premier Class of the TIAA-CREF Money Market Fund is being voluntarily waived. Without these waivers, the 7-day current and effective annualized yields and total returns would have been lower. These voluntary fee waivers may be discontinued at any time without notice.

 [7] Effective January 1, 2016 the Fund's benchmark index changed from the Bloomberg Barclays U.S. TIPS Index to the Bloomberg Barclays 1-10 US Treasury Inflation Protected Securities Index.

Teachers Advisors, LLC. ("Advisors"), the Funds' investment adviser has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed 0.15% of average daily net assets for the Lifecycle and 0.19% for the Lifecycle Index Premier Class Funds. These expense reimbursement arrangements will continue through at least September 30, 2017 unless changed with approval of the Board of Trustees.

In addition to the expense reimbursement arrangement, Advisors has contractually agreed to waive a portion of the Fund's Management Fee equal to, on an annual basis of 0.10% for the all of the Lifecycle Funds. This waiver will remain in effect through September 30, 2017, unless changed with approval of the Board of Trustees.

The Morningstar category averages, percentile ranks and star ratings are sourced from the Morningstar Essentials files prepared for TIAA as well as from Morningstar Direct.

Under the Funds' expense reimbursement arrangements, the Funds' investment adviser, Teachers Advisors, LLC. ("Advisors"), has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed the following annual rates of average daily net assets: a) 0.67% for the Growth & Income Fund; 0.75% for the International Equity Fund; 1.10% for the Energing Markets Equity Fund; 0.67% for the Large-Cap Growth Fund; 0.67% for the Large-Cap Value Fund; 0.70% for the Mid-Cap Growth Fund; 0.70% for the Mid-Cap Value Fund; 0.85% for the Small-Cap Equity Fund; 0.24% for the Equity Index Fund; 0.30% for the International Equity Index Fund; 0.35% for the International Equity Fund; 0.85% for the International Opportunities Fund; 0.80% for the Emerging Markets Debt Fund; b) 0.72% for the Real Estate Securities Fund; 0.50% for the Bond Fund; 0.50% for the Bond Flus Fund; 0.45% for the Short-Term Bond Fund; 0.45% for the Inflation-Linked Bond Fund; 0.55% for the High-Yield Fund; 0.28% for the Tax-Exempt Bond Fund; 0.28% for the Bond Index Fund; 0.30% for the Money Market Fund; 0.55% for the Social Choice Bond Fund; 0.27% for the Short-Term Bond Index Fund; 0.47% for the Social Choice Low Carbon Equity Fund; 0.55% for the Social Choice International Equity Index.

- a) These expense reimbursement arrangements will continue through at least February 28, 2018 unless changed with approval of the Board of Trustees
- b) These expense reimbursement arrangements will continue through at least July 31, 2017 unless changed with approval of the Board of Trustees.

		_	F	revious Qua						Current Mo	nth-End Ret	urns	nuai keturn		
	T.1.12. W.F. N.		1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	_
FIND	Total Portfolio Net Assets (in \$Mil.)	Ratio (bps) [2]	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	to	Inc.
U.S. Equities	05/31/17	(bps)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF EQUITY INDEX FUND (TIQRX) ^[5]	\$13,964.80	30	17.78%	9.47%	12.87%	7.25%	1.00%	2.08%	7.84%	17.35%	9.38%	14.94%	6.68%	5.41%	7/1/1999
Gross Expense Ratio BM: Russell 3000 Index		30	18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	6.00%	3/31/2006
Fund vs.Russell 3000 Index			-29	-29	-31	-29	-2	-8	-12	-34	-30	-32	-28	-59	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98%	N/A	
Fund vs. Large Blend M'star Category PG: Fund % Rank in Large Blend M'star Category			181 24%	133 29%	113 25%	73 28%	N/A N/A	N/A N/A	N/A N/A	130 33%	130 30%	95 32%	70 29%	N/A N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
TIAA-CREF GROWTH & INCOME FUND (TRGIX) ^[6,7]	\$6,294.10	67	17.49%	9.35%	12.53%	8.58%	2.03%	4.28%	10.39%	17.44%	9.80%	14.98%	8.00%	5.67%	7/1/1999
Gross Expense Ratio BM: S&P 500 Index		67	17.17%	10.37%	13.30%	7.51%	1.41%	2.57%	8.66%	17.47%	10.14%	15.42%	6.94%	5.00%	10/1/2002
Fund vs.S&P 500 Index			32	-102	-77	107	62	171	173	-3	-34	-44	106	67	
PG: Large Growth M'star Category Fund vs. Large Growth M'star Category			14.85% 264	8.53% 82	11.55% 98	7.71% 87	N/A N/A	N/A N/A	N/A N/A	18.19% -75	9.67% 13	14.45% 53	7.41% 59	N/A N/A	
PG: Fund % Rank in Large Growth M'star Category			18%	39%	31%	28%	N/A	N/A	N/A	58%	53%	43%	36%	N/A	
PG: # of funds in Large Growth M'star Category Fund Star Rating			1454 N/A	1306	1154	800 ****	N/A N/A	N/A N/A	N/A N/A	1426 N/A	1284	1145	805 ****	N/A N/A	
Tulio Star Nating			N/A	• • • •			N/A	N/A	IWA	IWA				N/A	
TIAA-CREF LARGE-CAP GROWTH FUND (TILRX) Gross Expense Ratio	\$4,400.10	68	12.71%	10.17%	12.97%	8.71%	3.85%	9.06%	17.89%	18.27%	12.02%	16.56%	8.64%	8.80%	3/31/2006
BM: Russell 1000 Growth Index		00	15.76%	11.27%	13.32%	9.13%	2.60%	6.16%	14.30%	20.27%	11.92%	15.98%	8.77%	9.27%	
Fund vs.Russell 1000 Growth Index			-305	-110	-35	-42 7.740/	125	290	359	-200	10	58	-13	-47	
PG: Large Growth M'star Category Fund vs. Large Growth M'star Category			14.85% -214	8.53% 164	11.55% 142	7.71% 100	N/A N/A	N/A N/A	N/A N/A	18.19% 8	9.67% 235	14.45% 211	7.41% 123	N/A N/A	
PG: Fund % Rank in Large Growth M'star Category			77%	23%	21%	24%	N/A	N/A	N/A	51%	16%	12%	21%	N/A	
PG: # of funds in Large Growth M'star Category Fund Star Rating			1454 N/A	1306	1154	800 ***	N/A N/A	N/A N/A	N/A N/A	1426 N/A	1284	1145	805 ****	N/A N/A	
•	64 726 50	24		40.029/	40.079/	0.700/	0.570/			40.049/	44 500/	45 549/	0.420/		40/4/2001
TIAA-CREF LARGE-CAP GROWTH INDEX FUND (TRIRX) Gross Expense Ratio	\$4,736.50	31	15.43%	10.93%	12.97%	8.78%	2.57%	6.08%	14.15%	19.91%	11.58%	15.61%	8.43%	9.80%	10/1/2002
BM: Russell 1000 Growth Index Fund vs.Russell 1000 Growth Index			15.76% -33	11.27% -34	13.32% -35	9.13% -35	2.60%	6.16% -8	14.30% -15	20.27% -36	11.92% -34	15.98% -37	8.77% -34	10.20% -40	
PG: Large Growth M'star Category			14.85%	8.53%	11.55%	7.71%	N/A	N/A	N/A	18.19%	9.67%	14.45%	7.41%	N/A	
Fund vs. Large Growth M'star Category			58	240	142	107	N/A	N/A	N/A	172	191	116	102	N/A	
PG: Fund % Rank in Large Growth M'star Category PG: # of funds in Large Growth M'star Category			41% 1454	13% 1306	21% 1154	22% 800	N/A N/A	N/A N/A	N/A N/A	30% 1426	21% 1284	28% 1145	26% 805	N/A N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LARGE-CAP VALUE FUND (TRLCX)	\$6,487.70	66	21.72%	7.78%	12.44%	5.60%	-0.65%	-1.91%	2.33%	15.11%	6.80%	13.81%	4.60%	9.43%	10/1/2002
Gross Expense Ratio		66	10.000/	0.070/	10.100/	5.000/	0.400/	4.000/	0.070/	44.000/	7 700/	44.070/	5 450/	0.440/	
BM: Russell 1000 Value Index Fund vs.Russell 1000 Value Index			19.22% 250	8.67% -89	13.13% -69	5.93% -33	-0.10% -55	-1.30% -61	2.97% -64	14.66% 45	7.70% -90	14.67% -86	5.15% -55	9.44% -1	
PG: Large Value M'star Category			17.44%	7.32%	11.47%	5.59%	N/A	N/A	N/A	14.75%	6.65%	13.24%	4.82%	N/A	
Fund vs. Large Value M'star Category PG: Fund % Rank in Large Value M'star Category			428 13%	46 42%	97 25%	1 52%	N/A N/A	N/A N/A	N/A N/A	36 42%	15 51%	57 36%	-22 57%	N/A N/A	
PG: # of funds in Large Value M'star Category			1258	1084	936	679	N/A	N/A	N/A	1244	1082	935	677	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	**	N/A	
TIAA-CREF LARGE-CAP VALUE INDEX FUND (TRCVX)	\$6,379.70	31	18.83%	8.35%	12.77%	5.62%	-0.16%	-1.41%	2.84%	14.28%	7.38%	14.29%	4.84%	9.06%	10/1/2002
Gross Expense Ratio BM: Russell 1000 Value Index		31	19.22%	8.67%	13.13%	5.93%	-0.10%	-1.30%	2.97%	14.66%	7.70%	14.67%	5.15%	9.44%	
Fund vs.Russell 1000 Value Index			-39	-32	-36	-31	-6	-11	-13	-38	-32	-38	-31	-38	
PG: Large Value M'star Category Fund vs. Large Value M'star Category			17.44% 139	7.32% 103	11.47% 130	5.59%	N/A N/A	N/A N/A	N/A N/A	14.75% -47	6.65% 73	13.24% 105	4.82% 2	N/A N/A	
PG: Fund % Rank in Large Value M'star Category			33%	27%	18%	51%	N/A	N/A	N/A	55%	35%	22%	50%	N/A	
PG: # of funds in Large Value M'star Category Fund Star Rating			1258 N/A	1084	936 ****	679 ***	N/A N/A	N/A N/A	N/A N/A	1244 N/A	1082	935	677 ***	N/A N/A	
ruliu Stali Kaung			IN/A	***	****	***	IN/A	IN/A	IN/A	IN/A	***	****	***	IN/A	
TIAA-CREF MID-CAP GROWTH FUND (TRGMX) Gross Expense Ratio	\$1,554.70	72	14.50%	4.99%	9.90%	7.36%	2.76%	5.67%	12.73%	15.79%	6.95%	12.50%	6.95%	11.08%	10/1/2002
BM: Russell Mid Cap Growth Index			14.07%	7.88%	11.95%	8.13%	2.39%	4.48%	11.07%	16.68%	8.83%	14.55%	7.65%	11.83%	
Fund vs.Russell Mid Cap Growth Index			43 15 500/	-289	-205	-77 7 129/	37	119 N/A	166 N/A	-89 16 48%	-188	-205 12.07%	-70 6 629/	-75 N/A	
PG: Mid-Cap Growth M'star Category Fund vs. Mid-Cap Growth M'star Category			15.58% -108	6.06% -107	10.30% -40	7.12% 24	N/A N/A	N/A N/A	N/A N/A	16.48% -69	7.86% -91	12.97% -47	6.62% 33	N/A N/A	
PG: Fund % Rank in Mid-Cap Growth M'star Category			60%	71%	55%	46%	N/A	N/A	N/A	56%	68%	58%	46%	N/A	
PG: # of funds in Mid-Cap Growth M'star Category Fund Star Rating			635 N/A	580 ***	500 ***	368 ***	N/A N/A	N/A N/A	N/A N/A	633 N/A	581 ***	504 ***	373 ***	N/A N/A	
TIAA-CREF MID-CAP VALUE FUND (TRVRX)	\$F 4F0 00	cc													10/4/000
Gross Expense Ratio	\$5,159.30	66	18.34%	7.31%	12.03%	6.66%	0.21%	-0.46%	3.24%	14.02%	6.59%	13.46%	5.85%	11.72%	10/1/2002
BM: Russell Mid Cap Value Index Fund vs.Russell Mid Cap Value Index			19.82%	8.94%	14.07%	7.47% -81	-0.31% 52	-0.85% 39	3.63%	15.27%	8.15%	15.63%	6.77%	11.89%	
Fund vs.Russell Mid Cap Value Index PG: Mid-Cap Value M'star Category			-148 18.86%	-163 7.04%	-204 12.02%	-81 6.68%	52 N/A	39 N/A	-39 N/A	-125 14.61%	-156 6.41%	-217 13.75%	-92 5.81%	-17 N/A	
Fund vs. Mid-Cap Value M'star Category			-52	27	1	-2	N/A	N/A	N/A	-59	18	-29	4	N/A	
PG: Fund % Rank in Mid-Cap Value M'star Category PG: # of funds in Mid-Cap Value M'star Category			60% 398	50% 341	55% 301	48% 212	N/A N/A	N/A N/A	N/A N/A	56% 404	50% 356	63% 309	47% 216	N/A N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF REAL ESTATE SECURITIES FUND (TRRSX)	\$2,092.50	76	2.66%	9.75%	9.06%	3.98%	0.81%	0.63%	4.59%	4.99%	8.46%	9.87%	4.20%	10.42%	10/1/2002
Gross Expense Ratio BM: FTSE NAREIT All Equity REITs Index		76	5.25%	10.56%	10.32%	4.97%	-0.13%	-1.27%	2.86%	5.09%	8.54%	10.80%	5.00%	11.03%	
Fund vs.FTSE NAREIT All Equity REITs Index			-259	-81	-126	-99	94	190	173	-10	-8	-93	-80	-61	
PG: Real Estate M'star Category			3.08%	9.01%	8.82%	4.04%	N/A	N/A	N/A	3.17%	6.97%	9.17%	3.99%	N/A	
Fund vs. Real Estate M'star Category PG: Fund % Rank in Real Estate M'star Category			-42 39%	74 26%	24 37%	-6 57%	N/A N/A	N/A N/A	N/A N/A	182 17%	149 10%	70 19%	21 44%	N/A N/A	
PG: # of funds in Real Estate M'star Category			262	234	205	137	N/A	N/A	N/A	260	232	203	142	N/A	
Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	****	****	***	N/A	

				Previous Qu	arter-End Re	eturns				Current Mo	nth-End Ret	urns AVG. AN	nuai keturn		
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	_
	Total Portfolio Net Assets (in \$Mil.)	Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF S&P 500 INDEX FUND (TRSPX)	\$4,204.60	30	16.79%	10.02%	12.95%	7.18%	1.40%	2.48%	8.54%	17.09%	9.79%	15.05%	6.61%	9.24%	10/1/2002
Gross Expense Ratio BM: S&P 500 Index		30	17.17%	10.37%	13.30%	7.51%	1.41%	2.57%	8.66%	17.47%	10.14%	15.42%	6.94%	9.62%	
Fund vs.S&P 500 Index			-38	-35	-35	-33	-1	-9	-12	-38	-35	-37	-33	-38	
PG: Large Blend M'star Category Fund vs. Large Blend M'star Category			15.97% 82	8.14% 188	11.74% 121	6.52% 66	N/A N/A	N/A N/A	N/A N/A	16.05% 104	8.08% 171	13.99% 106	5.98% 63	N/A N/A	
PG: Fund % Rank in Large Blend M'star Category			41%	14%	22%	31%	N/A	N/A	N/A	41%	17%	27%	31%	N/A	
PG: # of funds in Large Blend M'star Category Fund Star Rating			1404 N/A	1248	1113	822 ***	N/A N/A	N/A N/A	N/A	1383	1222	1081	798 ***	N/A	
rund Star Kating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF SMALL-CAP BLEND INDEX FUND (TRBIX) Gross Expense Ratio	\$2,222.20	31	26.10%	7.21%	12.33%	7.00%	-2.01%	-0.84%	1.47%	20.29%	8.00%	14.01%	6.28%	10.62%	10/1/2002
BM: Russell 2000 Index		31	26.22%	7.22%	12.35%	7.12%	-2.03%	-0.83%	1.48%	20.36%	8.00%	14.04%	6.40%	10.85%	
Fund vs.Russell 2000 Index PG: Small Blend M'star Category			-12 22.08%	-1 5.98%	-2 11.30%	-12 6.60%	2 N/A	-1 N/A	-1 N/A	-7 17.56%	0 6.32%	-3 12.99%	-12 5.73%	-23 N/A	
Fund vs. Small Blend M'star Category			402	123	103	40	N/A	N/A	N/A	273	168	102	55	N/A	
PG: Fund % Rank in Small Blend M'star Category			16%	38%	39%	37%	N/A	N/A	N/A	21%	29%	40%	35%	N/A	
PG: # of funds in Small Blend M'star Category Fund Star Rating			757 N/A	625 ***	537 ***	377 ***	N/A N/A	N/A N/A	N/A N/A	773 N/A	645 ***	545 ***	389 ***	N/A N/A	
TIAA-CREF SMALL-CAP EQUITY FUND (TRSEX) Gross Expense Ratio	\$3,346.40	67	26.52%	8.95%	13.06%	7.08%	-2.35%	-2.20%	1.05%	21.28%	9.10%	14.75%	6.26%	10.73%	10/1/2002
BM: Russell 2000 Index		01	26.22%	7.22%	12.35%	7.12%	-2.03%	-0.83%	1.48%	20.36%	8.00%	14.04%	6.40%	10.85%	
Fund vs.Russell 2000 Index			30	173	71	-4	-32	-137	-43	92	110	71	-14	-12	
PG: Small Growth M'star Category Fund vs. Small Growth M'star Category			22.41% 411	5.34% 361	10.73% 233	7.31% -23	N/A N/A	N/A N/A	N/A N/A	19.89% 139	7.79% 131	13.08% 167	6.76% -50	N/A N/A	
PG: Fund % Rank in Small Growth M'star Category			18%	12%	11%	61%	N/A	N/A	N/A	30%	33%	19%	67%	N/A	
PG: # of funds in Small Growth M'star Category Fund Star Rating			670 N/A	599 ****	527 ****	386 ***	N/A N/A	N/A N/A	N/A N/A	674 N/A	603 ***	533	396 ***	N/A N/A	
			IVA	****			INA	TWA .	IVA	IVA		****		N/A	
TIAA-CREF SMALL/MID-CAP EQUITY (TSMOX) ^[4]	\$593.70	76	N/A	N/A	N/A	N/A	-1.42%	-0.45%	3.26%	N/A	N/A	N/A	N/A	11.07%	8/5/2016
Gross Expense Ratio BM: Russell 2500 Index		76					-1.12%	-0.43%	3.39%					10.72%	
Fund vs.Russell 2500 Index							-30	-2	-13					35	
PG: Small Blend M'star Category Fund vs. Small Blend M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
PG: Fund % Rank in Small Blend M'star Category							N/A	N/A	N/A					N/A	
PG: # of funds in Small Blend M'star Category							N/A	N/A	N/A					N/A	
Fund Star Rating							N/A	N/A	N/A					N/A	
TIAA-CREF SOCIAL CHOICE EQUITY FUND (TRSCX) ^[6]	\$2,591.80	44	17.06%	8.09%	11.94%	6.89%	1.40%	2.61%	7.88%	17.46%	8.10%	14.29%	6.42%	5.12%	7/1/1999
Gross Expense Ratio BM: Russell 3000 Index		44	18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	6.00%	10/1/2002
Fund vs.Russell 3000 Index			-101	-167	-124	-65	38	45	-8	-23	-158	-97	-54	-88	
PG: Large Blend M'star Category			15.97%	8.14%	11.74%	6.52%	N/A N/A	N/A	N/A	16.05%	8.08%	13.99%	5.98% 44	N/A	
Fund vs. Large Blend M'star Category PG: Fund % Rank in Large Blend M'star Category			109 35%	-5 59%	20 55%	37 40%	N/A	N/A N/A	N/A N/A	141 30%	2 57%	30 54%	40%	N/A N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF SOCIAL CHOICE LOW CARBON EQUITY FUND (TEWCX)	\$72.00	57	17.24%	N/A	N/A	N/A	1.31%	2.48%	8.13%	17.29%	N/A	N/A	N/A	10.31%	8/7/2015
Gross Expense Ratio BM: Russell 3000 Index		91	18.07%				1.02%	2.16%	7.96%	17.69%				10.33%	
Fund vs.Russell 3000 Index			-83				29	32	17	-40				-2	
PG: Large Blend M'star Category Fund vs. Large Blend M'star Category			15.97% 127				N/A N/A	N/A N/A	N/A N/A	16.05% 124				N/A N/A	
PG: Fund % Rank in Large Blend M'star Category			31%				N/A	N/A	N/A	35%				N/A	
PG: # of funds in Large Blend M'star Category			1404				N/A	N/A	N/A	1383				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
Global Equities															
TIAA-CREF GLOBAL NATURAL RESOURCES FUND (TNRRX)	\$39.70	100	26.21%	-3.91%	-2.89%	N/A	-4.45%	-9.95%	-11.44%	7.92%	-7.41%	-1.95%	N/A	-3.23%	11/1/2011
Gross Expense Ratio		104													
BM: MSCI AC World Index Commodity Producers Sec. Cap. Index			24.49% 172	-4.13% 22	-2.78% -11		-1.00% -345	-1.90% -805	0.97%	16.45% -853	-5.49% -192	-0.19% -176		-2.00% -123	
Fund vs.MSCI AC World Index Commodity Producers Sec. Cap. Index PG: Natural Resources M'star Category			172 20.83%	-4.60%	-11 -0.79%		-345 N/A	-805 N/A	-1241 N/A	-853 9.50%	-192 -6.77%	-176 1.23%		-123 N/A	
Fund vs. Natural Resources M'star Category			538	69	-210		N/A	N/A	N/A	-158	-64	-318		N/A	
PG: Fund % Rank in Natural Resources M'star Category PG: # of funds in Natural Resources M'star Category			14% 138	45% 130	53% 115		N/A N/A	N/A N/A	N/A N/A	55% 140	47% 130	61% 115		N/A N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
International Equities															
TIAA-CREF EMERGING MARKETS EQUITY FUND (TEMSX)	\$1,226.80	119	21.40%	0.05%	0.61%	N/A	1.83%	11.29%	23.64%	30.85%	1.02%	4.58%	N/A	2.30%	8/31/2010
Gross Expense Ratio	,====	119		/9	/-			2/4			*				0.0
BM: MS Emerging Market			17.22%	1.18%	0.81%		2.96%	7.87%	17.25%	27.41%	1.62%	4.54% 4		2.93%	
Fund vs.MS Emerging Market PG: Diversified Emerging Mkts M'star Category			418 16.40%	-113 0.71%	-20 1.20%		-113 N/A	342 N/A	639 N/A	344 23.72%	-60 0.99%	4.68%		-63 N/A	
Fund vs. Diversified Emerging Mkts M'star Category			500	-66	-59		N/A	N/A	N/A	713	3	-10		N/A	
PG: Fund % Rank in Diversified Emerging Mkts M'star Category PG: # of funds in Diversified Emerging Mkts M'star Category			15% 811	67% 629	61% 429		N/A N/A	N/A N/A	N/A N/A	10% 820	56% 634	50% 441		N/A N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	

	_	_	Р	revious Qu	arter-End Re	turns				Current Mo	nth-End Retu				
			1 Year	3 Year	vg. Annual F 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net		04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	Inc. Date							
THE OPEN SHEED AND MADISTA SOUTH WINDOW SHIP OF THE OWN	*****		47.470	0.000/	0.400/		0.050/	0.000/	47.700/	07.470/	4.050/	4.400/		0.000/	0.04.0040
TIAA-CREF EMERGING MARKETS EQUITY INDEX FUND (TEQSX) Gross Expense Ratio	\$2,018.60	48	17.17%	0.92%	0.40%	N/A	2.95%	8.06%	17.79%	27.17%	1.35%	4.12%	N/A	2.29%	8/31/2010
BM: MS Emerging Market			17.22%	1.18%	0.81%		2.96%	7.87%	17.25%	27.41%	1.62%	4.54%		2.93%	
Fund vs.MS Emerging Market PG: Diversified Emerging Mkts M'star Category			-5 16.40%	-26 0.71%	-41 1.20%		-1 N/A	19 N/A	54 N/A	-24 23.72%	-27 0.99%	-42 4.68%		-64 N/A	
Fund vs. Diversified Emerging Mkts M'star Category			77	21	-80		N/A	N/A	N/A	345	36	-56		N/A	
PG: Fund % Rank in Diversified Emerging Mkts M'star Category PG: # of funds in Diversified Emerging Mkts M'star Category			46% 811	51% 629	66% 429		N/A N/A	N/A N/A	N/A N/A	29% 820	49% 634	62% 441		N/A N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF INTERNATIONAL EQUITY FUND (TRERX) ⁶⁾ Gross Expense Ratio	\$4,699.60	74 74	10.42%	-1.30%	6.19%	0.73%	2.70%	14.93%	18.28%	16.70%	1.57%	11.25%	0.94%	4.77%	7/1/1999 10/1/2002
BM: Morgan Stanley EAFE Index		'-	11.67%	0.50%	5.83%	1.05%	3.67%	9.23%	14.01%	16.44%	1.53%	10.21%	1.06%	4.00%	10/1/2002
Fund vs.Morgan Stanley EAFE Index			-125	-180	36	-32	-97	570	427	26	4	104	-12	77	
PG: Foreign Large Growth M'star Category Fund vs. Foreign Large Growth M'star Category			8.60% 182	1.07% -237	5.49% 70	1.90% -117	N/A N/A	N/A N/A	N/A N/A	15.29% 141	3.05% -148	9.65% 160	1.93% -99	N/A N/A	
PG: Fund % Rank in Foreign Large Growth M'star Category			29%	88%	34%	82%	N/A	N/A	N/A	35%	79%	17%	78%	N/A	
PG: # of funds in Foreign Large Growth M'star Category			400	324	276	191	N/A	N/A	N/A	400	323	272	193	N/A	
Fund Star Rating			N/A	*	***	*	N/A	N/A	N/A	N/A	**	****	*	N/A	
TIAA-CREF INTERNATIONAL EQUITY INDEX FUND (TRIEX)	\$10,188.80	31	11.90%	0.39%	5.70%	0.95%	3.53%	9.56%	14.48%	16.53%	1.39%	10.04%	0.97%	7.82%	10/1/2002
Gross Expense Ratio BM: Morgan Stanley EAFE Index		31	11.67%	0.50%	5.83%	1.05%	3.67%	9.23%	14.01%	16.44%	1.53%	10.21%	1.06%	8.07%	
Fund vs.Morgan Stanley EAFE Index			23	-11	-13	-10	-14	33	47	9	-14	-17	-9	-25	
PG: Foreign Large Blend M'star Category			10.88%	0.40%	5.02%	0.96%	N/A	N/A	N/A	15.99%	1.55%	9.04%	0.99%	N/A	
Fund vs. Foreign Large Blend M'star Category PG: Fund % Rank in Foreign Large Blend M'star Category			102 36%	-1 53%	68 31%	42%	N/A N/A	N/A N/A	N/A N/A	54 39%	-16 54%	100 26%	-2 45%	N/A N/A	
PG: # of funds in Foreign Large Blend M'star Category			735	586	525	327	N/A	N/A	N/A	734	592	528	339	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
TIAA-CREF INTERNATIONAL OPPORTUNITIES FUND (TIOTX)	\$1,345.40	88	10.83%	0.24%	N/A	N/A	3.27%	9.96%	17.00%	16.93%	2.92%	N/A	N/A	4.65%	4/12/2013
Gross Expense Ratio BM: MSCI AC World Index ex USA		88	13.13%	0.56%			3.24%	8.13%	13.74%	18.24%	1.26%			4.29%	
Fund vs.MSCI AC World Index ex USA			-230	-32			3	183	326	-131	166			36	
PG: Foreign Large Growth M'star Category			8.60%	1.07%			N/A	N/A	N/A	15.29%	3.05%			N/A	
Fund vs. Foreign Large Growth M'star Category PG: Fund % Rank in Foreign Large Growth M'star Category			223 26%	-83 68%			N/A N/A	N/A N/A	N/A N/A	164 34%	-13 48%			N/A N/A	
PG: # of funds in Foreign Large Growth M'star Category			400	324			N/A	N/A	N/A	400	323			N/A	
Fund Star Rating			N/A	**			N/A	N/A	N/A	N/A	***			N/A	
TIAA-CREF INTERNATIONAL SMALL-CAP EQUITY FUND (TTISX)41	\$870.70	97	N/A	N/A	N/A	N/A	3.57%	9.24%	17.19%	N/A	N/A	N/A	N/A	16.00%	12/9/2016
Gross Expense Ratio BM: MSCI ACWI ex-US Small Cap Index		97					2.71%	7.99%	15.08%					15.78%	
Fund vs.MSCI ACWI ex-US Small Cap Index							86	125	211					22	
PG: Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
Fund vs. Foreign Small/Mid Blend M'star Category PG: Fund % Rank in Foreign Small/Mid Blend M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
PG: # of funds in Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
Fund Star Rating							N/A	N/A	N/A					N/A	
TIAA-CREF SOCIAL CHOICE INTERNATIONAL EQUITY FUND (TSOEX)	\$35.50	65	11.52%	N/A	N/A	N/A	2.96%	9.42%	14.08%	15.03%	N/A	N/A	N/A	4.12%	8/7/2015
Gross Expense Ratio BM: Morgan Stanley EAFE Index		161	11.67%				3.67%	9.23%	14.01%	16.44%				3.59%	
Fund vs.Morgan Stanley EAFE Index			-15				-71	19	7	-141				53	
PG: Foreign Large Blend M'star Category			10.88%				N/A	N/A	N/A	15.99%				N/A N/A	
Fund vs. Foreign Large Blend M'star Category PG: Fund % Rank in Foreign Large Blend M'star Category			64 43%				N/A N/A	N/A N/A	N/A N/A	-96 65%				N/A	
PG: # of funds in Foreign Large Blend M'star Category			735				N/A	N/A	N/A	734				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
Fixed Income															
TIAA-CREF BOND FUND (TIDRX) ^[5]	\$4,120.80	56	2.04%	3.03%	3.06%	4.33%	0.78%	1.58%	2.79%	2.80%	2.89%	3.11%	4.52%	5.12%	7/1/1999
Gross Expense Ratio		56													3/31/2006
BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44% 160	2.68% 35	2.34% 72	4.27% 6	0.77%	1.49% 9	2.38% 41	1.58% 122	2.53% 36	2.24% 87	4.46% 6	5.00%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index PG: Intermediate-Term Bond M'star Category			1.74%	2.41%	2.52%	4.06%	N/A	N/A	N/A	2.59%	2.28%	2.52%	4.26%	12 N/A	
Fund vs. Intermediate-Term Bond M'star Category			30	62	54	27	N/A	N/A	N/A	21	61	59	26	N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category PG: # of funds in Intermediate-Term Bond M'star Category			38% 972	18% 851	24% 750	43% 538	N/A N/A	N/A N/A	N/A N/A	38% 978	18% 856	22% 757	43% 539	N/A N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF BOND INDEX FUND (TBIRX)	\$7,963.60	37	-0.10%	2.31%	1.92%	N/A	0.73%	1.38%	2.21%	1.13%	2.16%	1.84%	N/A	3.25%	9/14/2009
Gross Expense Ratio	,	37													
BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44%	2.68%	2.34%		0.77%	1.49%	2.38%	1.58%	2.53%	2.24%		3.71%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index PG: Intermediate-Term Bond M'star Category			-54 1.74%	-37 2.41%	-42 2.52%		-4 N/A	-11 N/A	-17 N/A	-45 2.59%	-37 2.28%	-40 2.52%		-46 N/A	
Fund vs. Intermediate-Term Bond M'star Category			-184	-10	-60		N/A	N/A	N/A	-146	-12	-68		N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category PG: # of funds in Intermediate-Term Bond M'star Category			91% 972	59% 851	79% 750		N/A N/A	N/A N/A	N/A N/A	88% 978	59% 856	81% 757		N/A N/A	
Fund Star Rating			N/A	***	**		N/A	N/A	N/A	N/A	***	**		N/A	

			Р		arter-End Re					Current Moi	nth-End Retu	ırns AVG. AN	nuai keturn		
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	-
	Total Portfolio Net Assets (in \$Mil.)	Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF BOND PLUS FUND (TCBRX) Gross Expense Ratio	\$3,672.10	56	2.67%	3.14%	3.34%	4.37%	0.70%	1.63%	2.90%	3.30%	3.00%	3.37%	4.56%	4.60%	3/31/2006
BM: Bloomberg Barclays U.S. Aggregate Bond Index		30	0.44%	2.68%	2.34%	4.27%	0.77%	1.49%	2.38%	1.58%	2.53%	2.24%	4.46%	4.56%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index PG: Intermediate-Term Bond M'star Category			223 1.74%	46 2.41%	100 2.52%	10 4.06%	-7 N/A	14 N/A	52 N/A	172 2.59%	47 2.28%	113 2.52%	10 4.26%	4 N/A	
Fund vs. Intermediate-Term Bond M'star Category			93	73	82	31	N/A	N/A	N/A	71	72	85	30	N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category PG: # of funds in Intermediate-Term Bond M'star Category			24% 972	14% 851	16% 750	41% 538	N/A N/A	N/A N/A	N/A N/A	26% 978	13% 856	15% 757	41% 539	N/A N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF EMERGING MARKETS DEBT FUND (TEDTX)	\$319.00	90	13.34%	N/A	N/A	N/A	0.98%	3.53%	7.93%	13.95%	N/A	N/A	N/A	5.58%	9/26/2014
Gross Expense Ratio BM: JPMorgan EMBI Global Diversified Index		93	8.92%				0.88%	2.77%	6.34%	9.77%				6.08%	
Fund vs.JPMorgan EMBI Global Diversified Index			442				10	76	159	418				-50	
PG: Emerging Markets Bond M'star Category Fund vs. Emerging Markets Bond M'star Category			10.20% 314				N/A N/A	N/A N/A	N/A N/A	10.89% 306				N/A N/A	
PG: Fund % Rank in Emerging Markets Bond M'star Category			19%				N/A	N/A	N/A	15%				N/A	
PG: # of funds in Emerging Markets Bond M'star Category Fund Star Rating			278 N/A				N/A N/A	N/A N/A	N/A N/A	282 N/A				N/A N/A	
TIAA-CREF HIGH YIELD FUND (TIHRX) ^[6]	\$3,700.60	64		4.00%	C 400/	C 020/					4.449/	C 470/	C 000/		2/24/2006
Gross Expense Ratio	\$3,700.60	61	14.95%	4.06%	6.10%	6.83%	0.61%	1.14%	3.38%	12.44%	4.11%	6.47%	6.82%	7.08%	3/31/2006
BM: BofA ML BB-B Cash Pay Issuer Constrained Index (New) Fund vs.BofA ML BB-B Cash Pay Issuer Constrained Index (New)			13.78% 117	4.65% -59	6.60% -50	6.92% -9	0.82% -21	1.90% -76	4.38% -100	11.97% 47	4.78% -67	7.03% -56	6.95% -13	7.25% -17	
PG: High Yield Bond M'star Category			13.52%	3.15%	5.56%	5.86%	N/A	N/A	N/A	11.53%	3.27%	6.09%	5.85%	N/A	
Fund vs. High Yield Bond M'star Category PG: Fund % Rank in High Yield Bond M'star Category			143 35%	91 22%	54 28%	97 14%	N/A N/A	N/A N/A	N/A N/A	91 37%	84 25%	38 36%	97 14%	N/A N/A	
PG: # of funds in High Yield Bond M'star Category			697	596	471	318	N/A	N/A	N/A	686	591	468	317	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	***	****	N/A	
TIAA-CREF INFLATION-LINKED BOND FUND (TIKRX) ^[5,9]	\$2,585.00	52	0.84%	1.24%	0.31%	3.58%	0.00%	0.35%	1.22%	1.63%	0.23%	-0.34%	3.68%	4.00%	10/1/2002
Gross Expense Ratio BM: Bloomberg Barclays US TIPS 1-10 Year Index		52	1.45%	1.46%	0.62%	3.59%	-0.05%	0.46%	1.45%	2.17%	0.71%	0.37%	3.66%	4.00%	3/31/2006
Fund vs.Bloomberg Barclays US TIPS 1-10 Year Index			-61	-22	-31 0.40%	-1 3.30%	5 N/A	-11 N/A	-23	-54 2.68%	-48 0.37%	-71	2 420/	0 N/A	
PG: Inflation-Protected Bond M'star Category Fund vs. Inflation-Protected Bond M'star Category			2.13% -129	1.17% 7	-9	28	N/A	N/A	N/A N/A	-105	-14	-0.08% -26	3.42% 26	N/A	
PG: Fund % Rank in Inflation-Protected Bond M'star Category			84%	46%	58%	49%	N/A	N/A	N/A	84%	59%	71%	50%	N/A	
PG: # of funds in Inflation-Protected Bond M'star Category Fund Star Rating			237 N/A	195 ***	165 **	108 ***	N/A N/A	N/A N/A	N/A N/A	235 N/A	202 ***	172 **	112 ***	N/A N/A	
TIAA-CREF INTERNATIONAL BOND FUND (TIBVX) ^[4]	\$282.80	90	N/A	N/A	N/A	N/A	0.62%	1.69%	2.76%	N/A	N/A	N/A	N/A	-0.29%	8/5/2016
Gross Expense Ratio BM: Bloomberg Barclays Global Aggregate ex-USD		94					0.43%	0.97%	1.09%					-0.59%	
Fund vs.Bloomberg Barclays Global Aggregate ex-USD							19	72	167					30	
PG: World Bond M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
Fund vs. World Bond M'star Category PG: Fund % Rank in World Bond M'star Category							N/A N/A	N/A	N/A					N/A	
PG: # of funds in World Bond M'star Category Fund Star Rating							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
TIAA-CREF SHORT-TERM BOND FUND (TISRX) Gross Expense Ratio	\$1,865.30	52	1.59%	1.15%	1.26%	2.56%	0.21%	0.60%	1.11%	1.68%	1.14%	1.28%	2.61%	2.80%	3/31/2006
BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index			0.71%	0.96%	0.93%	2.34%	0.17%	0.40%	0.76%	0.99% 69	0.95%	0.96%	2.35%	2.60%	
Fund vs.Bloomberg Barclays US 1-3 Yr Govt Credit Index PG: Short-Term Bond M'star Category			1.66%	19 1.06%	33 1.29%	22 2.41%	N/A	20 N/A	35 N/A	1.93%	19 1.11%	32 1.36%	26 2.49%	20 N/A	
Fund vs. Short-Term Bond M'star Category			-7	9	-3	15	N/A	N/A	N/A	-25	3	-8	12	N/A	
PG: Fund % Rank in Short-Term Bond M'star Category PG: # of funds in Short-Term Bond M'star Category			44% 516	46% 444	50% 359	43% 257	N/A N/A	N/A N/A	N/A N/A	50% 519	46% 451	51% 376	44% 263	N/A N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF SHORT-TERM BOND INDEX FUND (TESHX)	\$196.00	37	0.19%	N/A	N/A	N/A	0.08%	0.34%	0.59%	0.53%	N/A	N/A	N/A	0.63%	8/7/2015
Gross Expense Ratio BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index		80	0.71%				0.17%	0.40%	0.76%	0.99%				1.11%	
Fund vs.Bloomberg Barclays US 1-3 Yr Govt Credit Index			-52 1.66%				-9 N/A	-6 N/A	-17	-46				-48 N/A	
PG: Short-Term Bond M'star Category Fund vs. Short-Term Bond M'star Category			-147				N/A	N/A	N/A N/A	1.93% -140				N/A	
PG: Fund % Rank in Short-Term Bond M'star Category			87%				N/A	N/A	N/A	91%				N/A	
PG: # of funds in Short-Term Bond M'star Category Fund Star Rating			516 N/A				N/A N/A	N/A N/A	N/A N/A	519 N/A				N/A N/A	
TIAA-CREF SOCIAL CHOICE BOND FUND (TSBBX)	\$1,218.80	65	1.58%	3.59%	N/A	N/A	0.76%	1.55%	2.74%	2.39%	3.21%	N/A	N/A	3.11%	9/21/2012
Gross Expense Ratio		66													
BM: Bloomberg Barclays U.S. Aggregate Bond Index Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			0.44% 114	2.68% 91			0.77% -1	1.49% 6	2.38% 36	1.58% 81	2.53% 68			2.12% 99	
PG: Intermediate-Term Bond M'star Category			1.74%	2.41%			N/A	N/A	N/A	2.59%	2.28%			N/A	
Fund vs. Intermediate-Term Bond M'star Category PG: Fund % Rank in Intermediate-Term Bond M'star Category			-16 48%	118 5%			N/A N/A	N/A N/A	N/A N/A	-20 51%	93 7%			N/A N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851			N/A	N/A	N/A	978	856			N/A	
Fund Star Rating			N/A	****			N/A	N/A	N/A	N/A	****			N/A	

			F	Previous Qu	arter-End Re	eturns				Current Mo	nth-End Reti	urns			
			1 Year		vg. Annuar F 5 Year		1 Month	3 Month	YTD	1 Year	3 Year	Avg. An 5 Year	10 Year	Since	_
	Total Portfolio Net Assets (in \$Mil.)	Exp. Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Multi-Asset															
TIAA-CREF LIFECYCLE 2010 FUND (TCLEX) ^[10] Gross Expense Ratio	\$1,224.00	62 74	8.52%	4.28%	6.06%	4.68%	1.06%	2.92%	6.10%	9.42%	4.49%	7.35%	4.56%	5.64%	10/15/2004
BM: Lifecycle 2010 Fund Composite Index Fund vs.Lifecycle 2010 Fund Composite Index			7.43% 109	4.49% -21	6.04% 2	4.81% -13	1.03%	2.35% 57	5.29% 81	8.50% 92	4.40% 9	7.12% 23	4.65% -9	5.78% -14	
PG: Target-Date 2000-2010 M'star Category			7.24%	3.60%	5.20%	3.87%	N/A	N/A	N/A	8.03%	3.56%	6.28%	3.69%	-14 N/A	
Fund vs. Target-Date 2000-2010 M'star Category			128 20%	68 19%	86 12%	81 14%	N/A N/A	N/A N/A	N/A N/A	139 16%	93 8%	107 8%	87 7%	N/A N/A	
PG: Fund % Rank in Target-Date 2000-2010 M'star Category PG: # of funds in Target-Date 2000-2010 M'star Category			112	87	69	46	N/A	N/A	N/A	111	89	69	48	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2015 FUND (TCLIX)[10]	\$1,926.30	63	9.33%	4.54%	6.56%	4.72%	1.08%	3.06%	6.60%	10.18%	4.77%	8.03%	4.53%	5.84%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2015 Fund Composite Index		75	8.22%	4.76%	6.59%	4.83%	1.11%	2.52%	5.71%	9.32%	4.71%	7.86%	4.62%	5.99%	
Fund vs.Lifecycle 2015 Fund Composite Index			111	-22	-3	-11	-3	54	89	86	6	17	-9	-15	
PG: Target-Date 2015 M'star Category Fund vs. Target-Date 2015 M'star Category			8.01% 132	3.74% 80	5.80% 76	4.30% 42	N/A N/A	N/A N/A	N/A N/A	8.84% 134	3.72% 105	7.09% 94	4.02% 51	N/A N/A	
PG: Fund % Rank in Target-Date 2015 M'star Category			19%	24%	20%	20%	N/A	N/A	N/A	20%	12%	17%	16%	N/A	
PG: # of funds in Target-Date 2015 M'star Category Fund Star Rating			135 N/A	96 ****	71 ****	31 ****	N/A N/A	N/A N/A	N/A N/A	135 N/A	99 ****	71 ****	33 ****	N/A N/A	
TIAA CREE LIECUVOLE 2000 FILIND (TOLTVI ^[10]	40.554.50		40.070/	4 700/	7 400/	4 ====	4 000/	0.400/	- 0-0/	44.000/	- 440/	0.000/	. 500/		40/45/0004
TIAA-CREF LIFECYCLE 2020 FUND (TCLTX) ^[10] Gross Expense Ratio	\$3,554.50	65 77	10.37%	4.79%	7.19%	4.73%	1.20%	3.42%	7.27%	11.33%	5.14%	8.92%	4.53%	6.01%	10/15/2004
BM: Lifecycle 2020 Fund Composite Index Fund vs.Lifecycle 2020 Fund Composite Index			9.36% 101	5.12% -33	7.29% -10	4.90% -17	1.20%	2.73% 69	6.28% 99	10.49% 84	5.10% 4	8.79% 13	4.65% -12	6.18% -17	
PG: Target-Date 2020 M'star Category			8.54%	3.82%	5.72%	3.90%	N/A	N/A	N/A	9.33%	3.86%	7.03%	3.65%	N/A	
Fund vs. Target-Date 2020 M'star Category PG: Fund % Rank in Target-Date 2020 M'star Category			183 15%	97 15%	147 11%	83 14%	N/A N/A	N/A N/A	N/A N/A	200 16%	128 7%	189 10%	88 16%	N/A N/A	
PG: # of funds in Target-Date 2020 M'star Category			225	181	147	79	N/A	N/A	N/A	231	183	148	82	N/A	
Fund Star Rating			N/A	****	****	****	N/A	N/A	N/A	N/A	****	****	****	N/A	
TIAA-CREF LIFECYCLE 2025 FUND (TCLFX) ^[10]	\$3,868.70	66	11.60%	5.09%	7.84%	4.76%	1.33%	3.76%	7.99%	12.60%	5.51%	9.82%	4.55%	6.18%	10/15/2004
Gross Expense Ratio BM: Lifecycle 2025 Fund Composite Index		78	10.65%	5.51%	8.02%	4.97%	1.30%	2.97%	6.92%	11.81%	5.53%	9.75%	4.69%	6.37%	
Fund vs.Lifecycle 2025 Fund Composite Index			95	-42	-18	-21	3	79	107	79	-2	7	-14	-19	
PG: Target-Date 2025 M'star Category Fund vs. Target-Date 2025 M'star Category			10.10% 150	4.31% 78	6.77% 107	4.36% 40	N/A N/A	N/A N/A	N/A N/A	11.13% 147	4.46% 105	8.45% 137	4.07% 48	N/A N/A	
PG: Fund % Rank in Target-Date 2025 M'star Category			18%	19%	17%	38%	N/A	N/A	N/A	19%	9%	16%	31%	N/A	
PG: # of funds in Target-Date 2025 M'star Category Fund Star Rating			199 N/A	154 ****	114 ****	41 ***	N/A N/A	N/A N/A	N/A N/A	199 N/A	157 ****	115 ****	46 ***	N/A N/A	
TIAA-CREF LIFECYCLE 2030 FUND (TCLNX) ^[10]	\$3,762.50	67	12.70%	5.34%	8.43%	4.75%	1.46%	4.10%	8.72%	13.83%	5.89%	10.68%	4.51%	6.29%	10/15/2004
Gross Expense Ratio	\$3,762.30	79	12.70%	5.34 /6	0.43 /0	4.75%	1.40 /0	4.10%	0.72/0	13.03 /6	5.05 /6	10.00 /6	4.5176	0.23 /6	10/13/2004
BM: Lifecycle 2030 Fund Composite Index Fund vs.Lifecycle 2030 Fund Composite Index			11.94% 76	5.89% -55	8.72% -29	5.03% -28	1.40%	3.21% 89	7.57% 115	13.15% 68	5.95% -6	10.70% -2	4.72% -21	6.55% -26	
PG: Target-Date 2030 M'star Category			11.49%	4.65%	7.12%	4.21%	N/A	N/A	N/A	12.44%	4.81%	8.99%	3.87%	N/A	
Fund vs. Target-Date 2030 M'star Category PG: Fund % Rank in Target-Date 2030 M'star Category			121 18%	69 21%	131 14%	54 28%	N/A N/A	N/A N/A	N/A N/A	139 16%	108 11%	169 12%	64 25%	N/A N/A	
PG: # of funds in Target-Date 2030 M'star Category			225	181	147	79	N/A	N/A	N/A	231	183	148	82	N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF LIFECYCLE 2035 FUND (TCLRX) ^[10] Gross Expense Ratio	\$3,794.50	68	13.85%	5.56%	8.93%	4.90%	1.57%	4.46%	9.43%	15.10%	6.17%	11.44%	4.66%	6.56%	10/15/2004
BM: Lifecycle 2035 Fund Composite Index		80	13.27%	6.20%	9.37%	5.27%	1.48%	3.42%	8.18%	14.50%	6.30%	11.59%	4.94%	6.88%	
Fund vs.Lifecycle 2035 Fund Composite Index PG: Target-Date 2035 M'star Category			58 12.76%	-64 5.00%	-44 7.91%	-37 4.71%	9 N/A	104 N/A	125 N/A	60 14.00%	-13 5.26%	-15 10.07%	-28 4.34%	-32 N/A	
Fund vs. Target-Date 2035 M'star Category			109	56	102	19	N/A	N/A	N/A	110	91	137	32	N/A	
PG: Fund % Rank in Target-Date 2035 M'star Category PG: # of funds in Target-Date 2035 M'star Category			18% 199	30% 154	21% 114	38% 41	N/A N/A	N/A N/A	N/A N/A	21% 199	14% 157	11% 115	31% 46	N/A N/A	
Fund Star Rating			N/A	***	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF LIFECYCLE 2040 FUND (TCLOX) ^[10]	\$4,726.60	69	15.09%	5.78%	9.33%	5.15%	1.60%	4.66%	10.03%	16.29%	6.43%	11.93%	4.88%	6.90%	10/15/2004
Gross Expense Ratio		80	14.62%	6.50%	9.84%	5.52%	1.55%	3.61%	8.78%	15.87%	6.63%	12.16%	5.19%	7.22%	
BM: Lifecycle 2040 Fund Composite Index Fund vs.Lifecycle 2040 Fund Composite Index			47	-72	9.04% -51	-37	5	105	125	42	-20	-23	-31	-32	
PG: Target-Date 2040 M'star Category Fund vs. Target-Date 2040 M'star Category			13.47% 162	5.14% 64	7.96% 137	4.43% 72	N/A N/A	N/A N/A	N/A N/A	14.58% 171	5.38% 105	10.18% 175	4.07% 81	N/A N/A	
PG: Fund % Rank in Target-Date 2040 M'star Category			12%	24%	13%	26%	N/A	N/A	N/A	14%	11%	9%	21%	N/A	
PG: # of funds in Target-Date 2040 M'star Category Fund Star Rating			225 N/A	181 ***	147 ****	79 ***	N/A N/A	N/A N/A	N/A N/A	231 N/A	183	148 ****	82 ****	N/A N/A	
TIAA-CREF LIFECYCLE 2045 FUND (TTFRX) ^[10] Gross Expense Ratio	\$2,254.70	70 82	15.49%	5.91%	9.40%	N/A	1.66%	4.86%	10.43%	16.82%	6.60%	12.04%	N/A	4.96%	11/30/2007
BM: Lifecycle 2045 Fund Composite Index			15.14%	6.68%	9.95%		1.58%	3.70%	9.03%	16.41%	6.83%	12.29%		5.68%	
Fund vs.Lifecycle 2045 Fund Composite Index PG: Target-Date 2045 M'star Category			35 13.97%	-77 5.31%	-55 8.44%		8 N/A	116 N/A	140 N/A	41 15.33%	-23 5.62%	-25 10.80%		-72 N/A	
Fund vs. Target-Date 2045 M'star Category			152 10%	60 24%	96 16%		N/A N/A	N/A N/A	N/A N/A	149 11%	98 11%	124 11%		N/A N/A	
PG: Fund % Rank in Target-Date 2045 M'star Category PG: # of funds in Target-Date 2045 M'star Category			199	154	113		N/A	N/A	N/A	199	157	114		N/A	
Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE 2050 FUND (TLFRX) ^[10]	\$1,423.60	70	15.62%	5.97%	9.43%	N/A	1.65%	4.85%	10.40%	16.95%	6.65%	12.07%	N/A	4.95%	11/30/2007
Gross Expense Ratio BM: Lifecycle 2050 Fund Composite Index		83	15.35%	6.77%	10.00%		1.60%	3.73%	9.13%	16.63%	6.92%	12.35%		5.71%	
Fund vs.Lifecycle 2050 Fund Composite Index			27	-80	-57		5	112	127	32	-27	-28		-76	
PG: Target-Date 2050 M'star Category Fund vs. Target-Date 2050 M'star Category			14.15% 147	5.37% 60	8.32% 111		N/A N/A	N/A N/A	N/A N/A	15.28% 167	5.63% 102	10.65% 142		N/A N/A	
PG: Fund % Rank in Target-Date 2050 M'star Category			12%	25%	15%		N/A	N/A	N/A	9%	11%	10%		N/A	
PG: # of funds in Target-Date 2050 M'star Category Fund Star Rating			217 N/A	173 ***	136 ****		N/A N/A	N/A N/A	N/A N/A	224 N/A	175 ****	137 ****		N/A N/A	
			•				•								

					arter-End Re					Current Mo	nth-End Ret	urns	nuai keturn		
	Total Portfolio Net	Evn	1 Year 04/01/16	3 Year 04/01/14	5 Year 04/01/12	10 Year 04/01/07	1 Month 05/01/17	3 Month 03/01/17	YTD 01/01/17	1 Year 06/01/16	3 Year 06/01/14	5 Year 06/01/12	10 Year 06/01/07	Since Inception	_
FUND	Assets (in \$Mil.) 05/31/17	Ratio (bps) [2]	to 03/31/17	to 03/31/17	to 03/31/17	to 03/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	to 05/31/17	Inc.
TIAA-CREF LIFECYCLE 2055 FUND (TTRLX) ^[10]	\$366.70	70	15.77%	6.02%	9.48%	N/A	1.69%	4.91%	10.50%	17.06%	6.75%	12.11%	N/A	8.31%	4/29/2011
Gross Expense Ratio	4000.10	89				N/A									4/20/2011
BM: Lifecycle 2055 Fund Composite Index Fund vs.Lifecycle 2055 Fund Composite Index			15.56% 21	6.85% -83	10.06% -58		1.61%	3.76% 115	9.22% 128	16.84% 22	7.01% -26	12.41% -30		8.87% -56	
PG: Target-Date 2055 M'star Category			14.22%	5.50%	8.76%		N/A	N/A	N/A	15.60%	5.80%	11.21%		N/A	
Fund vs. Target-Date 2055 M'star Category PG: Fund % Rank in Target-Date 2055 M'star Category			155	52	72		N/A	N/A	N/A	146	95	90		N/A	
PG: Fund % Rank in Target-Date 2055 M star Category PG: # of funds in Target-Date 2055 M star Category			6% 197	26% 141	20% 86		N/A N/A	N/A N/A	N/A N/A	11% 197	12% 144	18% 86		N/A N/A	
Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE 2060 FUND (TLXRX) ^[10]	\$36.50	70	15.91%	N/A	N/A	N/A	1.70%	4.96%	10.67%	17.23%	N/A	N/A	N/A	7.44%	9/26/2014
Gross Expense Ratio BM: Lifecycle 2060 Fund Composite Index		185	15.78%				1.62%	3.79%	9.32%	17.06%				7.51%	
Fund vs.Lifecycle 2060 Fund Composite Index			13				8	117	135	17				-7	
PG: Target-Date 2060+ M'star Category Fund vs. Target-Date 2060+ M'star Category			14.41% 150				N/A N/A	N/A N/A	N/A N/A	15.78% 145				N/A N/A	
PG: Fund % Rank in Target-Date 2060+ M'star Category			6%				N/A	N/A	N/A	9%				N/A	
PG: # of funds in Target-Date 2060+ M'star Category Fund Star Rating			135 N/A				N/A N/A	N/A N/A	N/A N/A	134 N/A				N/A N/A	
TIAA-CREF LIFECYCLE INDEX 2010 FUND (TLTRX) ^{10]} Gross Expense Ratio	\$295.30	35 52	7.00%	4.27%	5.74%	N/A	1.05%	2.41%	5.31%	8.15%	4.13%	6.81%	N/A	6.93%	9/30/2009
BM: Lifecycle Index 2010 Composite Benchmark			7.41% -41	4.60% -33	6.14% -40		1.07%	2.45%	5.40% -9	8.57% -42	4.49% -36	7.21% -40		7.35%	
Fund vs.Lifecycle Index 2010 Composite Benchmark PG: Target-Date 2000-2010 M'star Category			7.24%	3.60%	5.20%		N/A	N/A	N/A	8.03%	3.56%	6.28%		-42 N/A	
Fund vs. Target-Date 2000-2010 M'star Category			-24	67	54		N/A	N/A	N/A	12	57	53		N/A	
PG: Fund % Rank in Target-Date 2000-2010 M'star Category			73%	20%	28%		N/A	N/A	N/A	57%	24%	34%		N/A	
PG: # of funds in Target-Date 2000-2010 M'star Category Fund Star Rating			112 N/A	87 ****	69 ****		N/A N/A	N/A N/A	N/A N/A	111 N/A	89 ****	69 ***		N/A N/A	
TIAA-CREF LIFECYCLE INDEX 2015 FUND (TLGRX) ^[10]	\$566.10	35	7.78%	4.51%	6.26%	N/A	1.14%	2.59%	5.84%	9.03%	4.45%	7.53%	N/A	7.42%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2015 Composite Benchmark		50	8.19%	4.85%	6.67%		1.15%	2.63%	5.83%	9.40%	4.79%	7.94%		7.84%	
Fund vs.Lifecycle Index 2015 Composite Benchmark			-41	-34	-41		-1	-4	1	-37	-34	-41		-42	
PG: Target-Date 2015 M'star Category			8.01%	3.74%	5.80%		N/A	N/A	N/A	8.84%	3.72%	7.09%		N/A	
Fund vs. Target-Date 2015 M'star Category PG: Fund % Rank in Target-Date 2015 M'star Category			-23 63%	77 26%	46 37%		N/A N/A	N/A N/A	N/A N/A	19 51%	73 27%	44 37%		N/A N/A	
PG: # of funds in Target-Date 2015 M'star Category			135	96	71		N/A	N/A	N/A	135	99	71		N/A	
Fund Star Rating			N/A	****	***		N/A	N/A	N/A	N/A	****	***		N/A	
TIAA-CREF LIFECYCLE INDEX 2020 FUND (TLWRX) ^[10]	\$1,151.40	35	8.96%	4.85%	6.97%	N/A	1.16%	2.81%	6.35%	10.14%	4.81%	8.45%	N/A	8.01%	9/30/2009
Gross Expense Ratio		47	0.220/	E 400/	7.050/		1.25%	2.85%	C 400/	40 500/	E 400/	0.000/		8.43%	
BM: Lifecycle Index 2020 Composite Benchmark Fund vs.Lifecycle Index 2020 Composite Benchmark			9.33% -37	5.18% -33	7.35% -38		-9	-4	6.42% -7	10.58% -44	5.18% -37	8.86% -41		-42	
PG: Target-Date 2020 M'star Category			8.54%	3.82%	5.72%		N/A	N/A	N/A	9.33%	3.86%	7.03%		N/A	
Fund vs. Target-Date 2020 M'star Category			42 45%	103 12%	125 15%		N/A N/A	N/A N/A	N/A	81 37%	95	142 17%		N/A N/A	
PG: Fund % Rank in Target-Date 2020 M'star Category PG: # of funds in Target-Date 2020 M'star Category			225	181	147		N/A	N/A N/A	N/A N/A	231	18% 183	148		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2025 FUND (TLQRX) ^[10]	\$1,256.50	35	10.32%	5.22%	7.66%	N/A	1.30%	3.02%	7.05%	11.50%	5.24%	9.40%	N/A	8.62%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2025 Composite Benchmark		47	10.61%	5.55%	8.05%		1.36%	3.11%	7.08%	11.92%	5.60%	9.81%		9.03%	
Fund vs.Lifecycle Index 2025 Composite Benchmark			-29	-33	-39		-6	-9	-3	-42	-36	-41		-41	
PG: Target-Date 2025 M'star Category Fund vs. Target-Date 2025 M'star Category			10.10% 22	4.31% 91	6.77% 89		N/A N/A	N/A N/A	N/A N/A	11.13% 37	4.46% 78	8.45% 95		N/A N/A	
PG: Fund % Rank in Target-Date 2025 M'star Category			44%	13%	22%		N/A	N/A	N/A	43%	20%	26%		N/A	
PG: # of funds in Target-Date 2025 M'star Category			199	154	114		N/A	N/A	N/A	199	157	115		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2030 FUND (TLHRX) ^[10] Gross Expense Ratio	\$1,310.40	35	11.58%	5.58%	8.35%	N/A	1.36%	3.33%	7.69%	12.90%	5.67%	10.33%	N/A	9.24%	9/30/2009
BM: Lifecycle Index 2030 Composite Benchmark			11.90%	5.91%	8.75%		1.47%	3.37%	7.75%	13.27%	6.02%	10.75%		9.64%	
Fund vs.Lifecycle Index 2030 Composite Benchmark PG: Target-Date 2030 M'star Category			-32 11.49%	-33 4.65%	-40 7.12%		-11 N/A	-4 N/A	-6 N/A	-37 12.44%	-35 4.81%	-42 8.99%		-40 N/A	
Fund vs. Target-Date 2000 M'star Category			9	93	123		N/A	N/A	N/A	46	86	134		N/A	
PG: Fund % Rank in Target-Date 2030 M'star Category			52%	14%	17%		N/A	N/A	N/A	43%	21%	22%		N/A	
PG: # of funds in Target-Date 2030 M'star Category Fund Star Rating			225 N/A	181 ****	147 ****		N/A N/A	N/A N/A	N/A N/A	231 N/A	183 ****	148 ****		N/A N/A	
TIAA-CREF LIFECYCLE INDEX 2035 FUND (TLYRX) ^[10]	\$1,257.50	35	12.86%	5.88%	8.99%	N/A	1.49%	3.56%	8.37%	14.31%	6.02%	11.24%	N/A	9.80%	9/30/2009
Gross Expense Ratio		47	13.22%	6.23%	9.40%		1.56%	3.60%	8.39%	14.64%	6.37%	11.64%		10.21%	
BM: Lifecycle Index 2035 Composite Benchmark Fund vs.Lifecycle Index 2035 Composite Benchmark			-36	-35	9.40% -41		-7	-4	8.39% -2	-33	-35	-40		10.21% -41	
PG: Target-Date 2035 M'star Category			12.76%	5.00%	7.91%		N/A	N/A	N/A	14.00%	5.26%	10.07%		N/A	
Fund vs. Target-Date 2035 M'star Category PG: Fund % Rank in Target-Date 2035 M'star Category			10 46%	88 13%	108 15%		N/A N/A	N/A N/A	N/A N/A	31 39%	76 22%	117 20%		N/A N/A	
PG: # of funds in Target-Date 2035 M'star Category			199	154	114		N/A	N/A	N/A	199	157	115		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2040 FUND (TLZRX) [10] Gross Expense Ratio	\$1,365.50	35	14.27%	6.20%	9.49%	N/A	1.62%	3.83%	9.01%	15.73%	6.39%	11.84%	N/A	10.16%	9/30/2009
BM: Lifecycle Index 2040 Composite Benchmark			14.57%	6.53%	9.87%		1.63%	3.81%	9.01%	16.02%	6.71%	12.23%		10.56%	
Fund vs.Lifecycle Index 2040 Composite Benchmark PG: Target-Date 2040 M'star Category			-30 13.47%	-33 5.14%	-38 7.96%		-1 N/A	2 N/A	0 N/A	-29 14.58%	-32 5.38%	-39 10.18%		-40 N/A	
Fund vs. Target-Date 2040 M'star Category			80	106	153		N/A	N/A	N/A	115	101	166		N/A	
PG: Fund % Rank in Target-Date 2040 M'star Category			25%	9%	8%		N/A	N/A	N/A	24%	13%	11%		N/A	
PG: # of funds in Target-Date 2040 M'star Category Fund Star Rating			225 N/A	181	147 ****		N/A N/A	N/A N/A	N/A N/A	231 N/A	183	148 ****		N/A N/A	
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	Total Portfolio Net	Evn	1 Year 04/01/16	3 Year 04/01/14	5 Year 04/01/12	10 Year 04/01/07	1 Month 05/01/17	3 Month 03/01/17	YTD 01/01/17	1 Year 06/01/16	3 Year 06/01/14	5 Year 06/01/12	10 Year 06/01/07	Since Inception	_
FINE	Assets (in \$Mil.)	Ratio (bps) [2]	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17		03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF LIFECYCLE INDEX 2045 FUND (TLMRX) ^[10] Gross Expense Ratio	\$814.20	35	14.79%	6.37%	9.58%	N/A	1.62%	3.89%	9.27%	16.24%	6.55%	11.92%	N/A	10.22%	9/30/2009
BM: Lifecycle Index 2045 Composite Benchmark Fund vs.Lifecycle Index 2045 Composite Benchmark			15.09% -30	6.71% -34	9.98% -40		1.67% -5	3.91% -2	9.28%	16.57% -33	6.91% -36	12.35% -43		10.64% -42	
PG: Target-Date 2045 M'star Category			13.97%	-34 5.31%	-40 8.44%		-5 N/A	-2 N/A	-1 N/A	-33 15.33%	-36 5.62%	-43 10.80%		-42 N/A	
Fund vs. Target-Date 2045 M'star Category			82	106	114		N/A	N/A	N/A	91	93	112		N/A	
PG: Fund % Rank in Target-Date 2045 M'star Category PG: # of funds in Target-Date 2045 M'star Category			27% 199	9% 154	10% 113		N/A N/A	N/A N/A	N/A N/A	24% 199	13% 157	14% 114		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2050 FUND (TLLRX) 10]	\$574.60	35	15.04%	6.46%	9.64%	N/A	1.62%	3.94%	9.37%	16.49%	6.65%	11.99%	N/A	10.27%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index 2050 Composite Benchmark		48	15.30%	6.80%	10.03%		1.68%	3.94%	9.37%	16.79%	7.00%	12.41%		10.68%	
Fund vs.Lifecycle Index 2050 Composite Benchmark			-26	-34	-39		-6	0	0	-30	-35	-42		-41	
PG: Target-Date 2050 M'star Category			14.15%	5.37%	8.32%		N/A	N/A	N/A	15.28%	5.63%	10.65%		N/A	
Fund vs. Target-Date 2050 M'star Category PG: Fund % Rank in Target-Date 2050 M'star Category			89 25%	109 9%	132 9%		N/A N/A	N/A N/A	N/A N/A	121 20%	102 12%	134 11%		N/A N/A	
PG: # of funds in Target-Date 2050 M'star Category			217	173	136		N/A	N/A	N/A	224	175	137		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2055 FUND (TTIRX) [10] Gross Expense Ratio	\$172.50	35	15.21%	6.54%	9.69%	N/A	1.67%	3.99%	9.52%	16.74%	6.75%	12.06%	N/A	8.54%	4/29/2011
BM: Lifecycle Index 2055 Composite Benchmark		00	15.51%	6.88%	10.08%		1.70%	3.97%	9.47%	17.01%	7.10%	12.47%		8.92%	
Fund vs.Lifecycle Index 2055 Composite Benchmark			-30	-34	-39		-3	2	5	-27	-35	-41		-38	
PG: Target-Date 2055 M'star Category Fund vs. Target-Date 2055 M'star Category			14.22% 99	5.50% 104	8.76% 93		N/A N/A	N/A N/A	N/A N/A	15.60% 114	5.80% 95	11.21% 85		N/A N/A	
PG: Fund % Rank in Target-Date 2055 M'star Category			20%	8%	13%		N/A	N/A	N/A	18%	12%	20%		N/A	
PG: # of funds in Target-Date 2055 M'star Category			197	141	86		N/A	N/A	N/A	197	144	86		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE INDEX 2060 FUND (TVITX) 101 Gross Expense Ratio	\$25.80	35 153	15.41%	N/A	N/A	N/A	1.62%	3.97%	9.53%	16.84%	N/A	N/A	N/A	7.26%	9/26/2014
BM: Lifecycle Index 2060 Composite Benchmark			15.72%				1.71%	4.01%	9.57%	17.22%				7.64%	
Fund vs.Lifecycle Index 2060 Composite Benchmark			-31				-9	-4	-4	-38				-38	
PG: Target-Date 2060+ M'star Category Fund vs. Target-Date 2060+ M'star Category			14.41% 100				N/A N/A	N/A N/A	N/A N/A	15.78% 106				N/A N/A	
PG: Fund % Rank in Target-Date 2060+ M'star Category			19%				N/A	N/A	N/A	19%				N/A	
PG: # of funds in Target-Date 2060+ M'star Category			135				N/A	N/A	N/A	134				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
TIAA-CREF LIFECYCLE INDEX RETIREMENT INCOME FUND (TRCIX) 10]	\$127.50	35	6.44%	4.03%	5.17%	N/A	0.95%	2.24%	5.03%	7.57%	3.89%	6.03%	N/A	6.40%	9/30/2009
Gross Expense Ratio BM: Lifecycle Index Retirement Income Composite Benchmark		66	6.84%	4.40%	5.59%		1.02%	2.34%	5.11%	7.99%	4.27%	6.44%		6.83%	
Fund vs.Lifecycle Index Retirement Income Composite Benchmark			-40	-37	-42		-7	-10	-8	-42	-38	-41		-43	
PG: Target-Date Retirement M'star Category			6.03%	2.94%	3.94%		N/A	N/A	N/A	6.64%	2.90%	4.62%		N/A	
Fund vs. Target-Date Retirement M'star Category PG: Fund % Rank in Target-Date Retirement M'star Category			41 34%	109 8%	123 12%		N/A N/A	N/A N/A	N/A N/A	93 27%	99 10%	141 12%		N/A N/A	
PG: # of funds in Target-Date Retirement M'star Category			171	133	113		N/A	N/A	N/A	171	136	114		N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFECYCLE RETIREMENT INCOME FUND (TLIRX) [10]	\$495.20	62	7.94%	4.04%	5.54%	N/A	1.07%	2.80%	5.85%	8.84%	4.25%	6.60%	N/A	4.67%	11/30/2007
Gross Expense Ratio		77	0.000/	4.000/	5 400/		0.000/	0.050/	5.040/	7.000/	4.470/	0.040/		4.040/	
BM: Lifecycle Retirement Income Fund Composite Index Fund vs.Lifecycle Retirement Income Fund Composite Index			6.86% 108	4.26% -22	5.48% 6		0.99%	2.25% 55	5.01% 84	7.92% 92	4.17% 8	6.34% 26		4.91% -24	
PG: Target-Date Retirement M'star Category			6.03%	2.94%	3.94%		N/A	N/A	N/A	6.64%	2.90%	4.62%		N/A	
Fund vs. Target-Date Retirement M'star Category			191	110	160		N/A	N/A	N/A	220	135	198		N/A	
PG: Fund % Rank in Target-Date Retirement M'star Category PG: # of funds in Target-Date Retirement M'star Category			12% 171	7% 133	5% 113		N/A N/A	N/A N/A	N/A N/A	10% 171	2% 136	6% 114		N/A N/A	
Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE AGGRESSIVE GROWTH FUND (TSARX)	\$68.00	81	16.41%	6.06%	10.06%	N/A	1.74%	5.32%	11.24%	17.79%	6.90%	13.06%	N/A	12.43%	12/9/2011
Gross Expense Ratio BM: Lifestyle Aggressive Composite Benchmark		112	16.69%	6.99%	10.54%		1.67%	3.92%	9.72%	17.98%	7.17%	13.23%		12.52%	
Fund vs.Lifestyle Aggressive Composite Benchmark			-28	-93	-48		7	140	152	-19	-27	-17		-9	
PG: Allocation85%+ Equity M'star Category			14.91%	5.37%	9.09%		N/A	N/A	N/A	15.54%	5.65%	11.62%		N/A	
Fund vs. Allocation85%+ Equity M'star Category PG: Fund % Rank in Allocation85%+ Equity M'star Category			150 20%	69 26%	97 19%		N/A N/A	N/A N/A	N/A N/A	225 11%	125 12%	144 8%		N/A N/A	
PG: # of funds in Allocation85%+ Equity M'star Category			161	139	125		N/A	N/A	N/A	167	147	123		N/A	
Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF LIFESTYLE CONSERVATIVE FUND (TSCTX)	\$179.10	72	7.87%	3.97%	5.62%	N/A	1.08%	2.87%	5.89%	8.70%	4.25%	6.79%	N/A	6.79%	12/9/2011
Gross Expense Ratio BM: Lifestyle Conservative Composite Benchmark		85	6.78%	4.18%	5.43%		1.01%	2.24%	4.94%	7.80%	4.19%	6.38%		6.31%	
Fund vs.Lifestyle Conservative Composite Benchmark			109	-21	19		7	63	95	90	6	41		48	
PG: Allocation30% to 50% Equity M'star Category Fund vs. Allocation30% to 50% Equity M'star Category			8.03% -16	3.25% 72	5.13% 49		N/A N/A	N/A N/A	N/A N/A	8.10% 60	3.16% 109	6.12% 67		N/A N/A	
PG: Fund % Rank in Allocation30% to 50% Equity M'star Category			48%	26%	34%		N/A	N/A	N/A	35%	18%	28%		N/A	
PG: # of funds in Allocation30% to 50% Equity M'star Category			513 N/A	408 ****	350 ***		N/A N/A	N/A N/A	N/A N/A	506 N/A	401 ****	349 ****		N/A N/A	
Fund Star Rating			1		8.79%	N/A	1.54%	4.55%	9.61%	14.86%			N/A		49/0/0211
Fund Star Rating	\$406.70	70	42 740/				11.04%			14.65%	6.17%	11.16%	N/A	10.76%	12/9/2011
TIAA-CREF LIFESTYLE GROWTH FUND (TSGRX) Gross Expense Ratio	\$106.70	78 97	13.74%	5.53%		N/A									
TIAA-CREF LIFESTYLE GROWTH FUND (TSGRX) Gross Expense Ratio BM: Lifestyle Growth Composite Benchmark	\$106.70		13.29%	6.22%	8.96%	.wa	1.49%	3.44%	8.22%	14.56%	6.33%	11.04%		10.58%	
TIAA-CREF LIFESTYLE GROWTH FUND (TSGRX) Gross Expense Ratio	\$106.70											11.04% 12 9.86%		10.58% 18 N/A	
TIAA-CREF LIFESTYLE GROWTH FUND (TSGRX) Gross Expense Ratio BM: Lifestyle Growth Composite Benchmark Fund vs.Lifestyle Growth Composite Benchmark PG: Allocation—70% to 85% Equity M'star Category Fund vs. Allocation—70% to 85% Equity M'star Category	\$106.70		13.29% 45 12.55% 119	6.22% -69 4.51% 102	8.96% -17 7.85% 94	NIA.	1.49% 5 N/A N/A	3.44% 111 N/A N/A	8.22% 139 N/A N/A	14.56% 30 12.90% 196	6.33% -16 4.66% 151	12 9.86% 130		18 N/A N/A	
TIAA-CREF LIFESTYLE GROWTH FUND (TSGRX) Gross Expense Ratio BM: Lifestyle Growth Composite Benchmark Fund vs.Lifestyle Growth Composite Benchmark PG: Allocation-70% to 85% Equity M'star Category	\$106.70		13.29% 45 12.55%	6.22% -69 4.51%	8.96% -17 7.85%		1.49% 5 N/A	3.44% 111 N/A	8.22% 139 N/A	14.56% 30 12.90%	6.33% -16 4.66%	12 9.86%		18 N/A	

				Previous Qua						Current Mo	nth-End Ret				
				A\	vg. Annuai R	eturns						Avg. An	nuai Keturn		
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAL ORDER LIFERTY E INCOME FUND (TLORY)	405.70	••	4 000/	0.000/	. =00/		. ====	4.050/				4.050/			40101004
TIAA-CREF LIFESTYLE INCOME FUND (TLSRX)	\$65.70	68 95	4.89%	2.92%	3.78%	N/A	0.73%	1.95%	3.86%	5.44%	3.01%	4.35%	N/A	4.50%	12/9/2011
Gross Expense Ratio		95	0.000/	0.000/	0.400/		0.740/	4.540/	0.400/	4 400/	0.000/	0.000/		4.040/	
BM: Lifestyle Income Composite Benchmark			3.66%	2.93%	3.49%		0.71%	1.54%	3.16%	4.48%	2.90%	3.93%		4.01%	
Fund vs.Lifestyle Income Composite Benchmark			123	-1	29		2	41	70	96	11	42		49	
PG: Allocation15% to 30% Equity M'star Category			5.78%	2.49%	3.37%		N/A	N/A	N/A	5.96%	2.35%	3.98%		N/A	
Fund vs. Allocation15% to 30% Equity M'star Category			-89	43	41		N/A	N/A	N/A	-52	66	37		N/A	
PG: Fund % Rank in Allocation15% to 30% Equity M'star Category			67%	42%	45%		N/A	N/A	N/A	67%	36%	46%		N/A	
PG: # of funds in Allocation15% to 30% Equity M'star Category			202	171	151		N/A	N/A	N/A	209	180	148		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF LIFESTYLE MODERATE FUND (TSMTX)	\$259.80	76	10.88%	4.96%	7.46%	N/A	1.36%	3.87%	8.04%	12.00%	5.44%	9.23%	N/A	9.08%	12/9/2011
Gross Expense Ratio		87													
BM: Lifestyle Moderate Composite Benchmark			9.97%	5.40%	7.35%		1.31%	2.95%	6.74%	11.20%	5.44%	8.85%		8.61%	
Fund vs.Lifestyle Moderate Composite Benchmark			91	-44	11		5	92	130	80	0	38		47	
PG: Allocation50% to 70% Equity M'star Category			10.53%	4.43%	7.04%		N/A	N/A	N/A	10.66%	4.36%	8.43%		N/A	
Fund vs. Allocation50% to 70% Equity M'star Category			35	53	42		N/A	N/A	N/A	134	108	80		N/A	
PG: Fund % Rank in Allocation50% to 70% Equity M'star Category			35%	43%	42%		N/A	N/A	N/A	22%	28%	34%		N/A	
PG: # of funds in Allocation50% to 70% Equity M'star Category			824	721	616		N/A	N/A	N/A	830	727	653		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF MANAGED ALLOCATION FUND (TITRX)	\$815.10	65	10.96%	5.12%	7.52%	5.05%	1.32%	3.76%	7.92%	12.13%	5.56%	9.24%	4.89%	5.69%	3/31/2006
Gross Expense Ratio		68													
BM: Managed Allocation Composite Index ^o			9.97%	5.40%	7.45%	5.43%	1.31%	2.95%	6.74%	11.20%	5.44%	8.92%	5.24%	6.02%	
Fund vs.Managed Allocation Composite Index			99	-28	7	-38	1	81	118	93	12	32	-35	-33	
PG: Allocation50% to 70% Equity M'star Category			10.53%	4.43%	7.04%	5.06%	N/A	N/A	N/A	10.66%	4.36%	8.43%	4.73%	N/A	
Fund vs. Allocation-50% to 70% Equity M'star Category			43	69	48	-1	N/A	N/A	N/A	147	120	81	16	N/A	
PG: Fund % Rank in Allocation50% to 70% Equity M'star Category			33%	38%	40%	50%	N/A	N/A	N/A	19%	25%	34%	45%	N/A	
PG: # of funds in Allocation50% to 70% Equity M'star Category			824	721	616	424	N/A	N/A	N/A	830	727	653	431	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
Money Market															
TIAA-CREF MONEY MARKET FUND (TIEXX)[3,5,7]	\$910.50	39	0.09%	0.03%	0.02%	0.66%	0.03%	0.09%	0.11%	0.14%	0.05%	0.03%	0.58%	1.85%	7/1/1999
Gross Expense Ratio	\$91U.DU	39	0.09%	J.U3%	J.UZ%	0.00%	0.03%	0.09%	J.11%	J.14%	J.U5%	0.03%	J.56%	1.00%	3/31/2006
BM: iMoneynet Money Fund AveragesTM-All Government		Ja	0.12%	0.05%	0.03%	0.52%	0.03%	0.08%	0.11%	0.16%	0.07%	0.05%	0.45%	1.54%	3/3/1/2000
, ,							0.03%								
Fund vs.iMoneynet Money Fund AveragesTM-All Government			-3	-2	-1	14	U	1	0	-2	-2	-2	13	31	
7-Day Effective Yield as of 05/31/2017: 0.45%															
7-Day Current Yield as of 05/31/2017: 0.45%															
MUTUAL FUND TOTALS ^[1]	\$111,359.70		•												

IUTUAL FUND TOTALS¹¹ \$111,359.70

BM = Benchmark; PG = Peer Group; % Rank within Morningstar Category: 1 = Best 100 = Worst; Morningstar Category Returns are equal-weighted.

- [1] Combined Mutual Funds' Net Assets exclude the Managed Allocation Fund, Lifecycle Funds, and Lifestyle Funds.
- [2] The net expense ratio (top number) represents expenses after reimbursement and waivers, and is what participants actually pay. The number below represents the gross expense ratio, before consideration for reimbursements and/or
- [3] The "Since Inception" benchmark performance shown is computed from August 1999.
- [4] The "Since Inception" values presented are cumulative values and not average annualized total returns.
- [5] The Retirement Class began operations on March 31, 2006. Where a product lists two inception dates, the top date reflects the inception date of the product's oldest share class, and the bottom date represents the date of inception for the Share Class being reported. Performance shown for periods prior to the inception of the Retirement Class reflects the performance of the Institutional Class, and has not been adjusted to reflect the higher expenses of the Retirement Class.
- [6] The Retirement Class began operations on October 1, 2002. Where a product lists two inception dates, the top date reflects the inception date of the product's oldest share class, and the bottom date represents the date of inception for the Share Class being reported. Performance shown for periods prior to the inception of the Retirement Class reflects the performance of the Institutional Class, and has not been adjusted to reflect the higher expenses of the Retirement Class
- [7] Beginning August 27, 2013, part or all of the investment management fees of the Retirement Class are being voluntarily waived. In addition, the fund's investment adviser is reimbursing certain other fund expenses. Beginning August 18, 2009 part or all of the

service fees are being voluntarily waived. Without these changes, the 7-day current and effective net annualized yields and total returns for the fund would have been lower. The suspension of reimbursements and the addition of waivers are voluntary and may be

- discontinued at any time without notice.
 [8] 42% Russell 3000® Index, 40% Bloomberg Barclays U.S. Aggregate Bond Index, 18% Morgan Stanley All Country World Index ex-USA.
- [9] Effective January 1, 2016 the Fund's benchmark index changed from the Bloomberg Barclays U.S. TIPS Index to the Bloomberg Barclays 1-10 US Treasury Inflation Protected Securities Index.
- [10] TPIS has contractually agreed not to seek payment of the 12b-1 fee under the Retirement Plan through September 30, 2017. This agreement may not be continued after that date

Teachers Advisors, LLC. ("Advisors"), the Funds' investment adviser has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed 0.25% of average daily net assets for the Lifecycle and 0.29% for the Lifecycle Index Retirement Class Funds. These expense reimbursement arrangements will continue through at least September 30, 2017 unless changed with approval of the Board of Trustees.

In addition to the expense reimbursement arrangement, Advisors has contractually agreed to waive a portion of the Fund's Management Fee equal to, on an annual basis of 0.10% for the all of the Lifecycle Funds. This waiver will remain in effect through September 30, 2017, unless changed with approval of the Board of Trustees.

The Morningstar category averages, percentile ranks and star ratings are sourced from the Morningstar Essentials files prepared for TIAA as well as from Morningstar Direct

Under the Funds' expense reimbursement arrangements, the Funds' investment adviser, Teachers Advisors, LLC. ("Advisors"), has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed the following annual rates of average daily net assets: a) 0.77% for the Growth Fund; 0.85% for the International Equity Fund; 1.02% for the Emerging Markets Equity Fund; 0.77% for the Large-Cap Growth Fund; 0.34% for the Large-Cap Value Fund; 0.34% for the Equity Fund; 0.34% for the Equity Fund; 0.34% for the SAP 500 Index Fund; 0.34% for the Small-Cap Blend Index Fund; 0.40% for the International Equity Fund; 0.50% for the Global Natural Resources Fund; 0.95% for the International Opportunities Fund; 0.96% for the Emerging Markets Equity Fund; 1.00% for the Short-Term Bond Fund; 0.95% for the International Opportunities Fund; 0.65% for the High-Yield Fund; 0.38% for the Bond Fund; 0.65% for the High-Yield Fund; 0.38% for the Bond Fund; 0.65% for the High-Yield Fund; 0.05% for the Bond Fund; 0.65% for the High-Yield Fund; 0.05% for the Bond Fund; 0.65% for the High-Yield Fund; 0.05% for the Bond Fund; 0.65% for the Social Choice Bond Fund; 0.37% for the Short-Term Bond Index Fund; 0.57% for the Social Choice Bond Fund; 0.05% for the Social Choice Bond Fund; 0.05% for the Short-Term Bond Index Fund; 0.57% for the Social Choice International Equity Fund; 0.25% for the Managed Allocation Fund.

- a) These expense reimbursement arrangements will continue through at least February 28, 2018 unless changed with approval of the Board of Trustees.
- b) These expense reimbursement arrangements will continue through at least July 31, 2017 unless changed with approval of the Board of Trustees
- c) These expense reimbursement arrangements will continue through at least September 30, 2017 unless changed with approval of the Board of Trustees.

Manuel Series Manuel Manuel Manuel Manuel Manuel Manuel Ma						ente e Fred De					Comment No.	oth Food Date				
March Marc					A	vg. Annuai F	eturns						Avg. An			=
Mary		Total Portfolio Nat	Eyn													
Content			Ratio	to				to								Inc.
Manuse M	FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Second	U.S. Equities															
Management	TIAA-CREF EQUITY INDEX FUND (TINRX) ^[6]	\$13,964.80	34	17.66%	9.41%	12.81%	7.26%	1.00%	2.07%	7.81%	17.30%	9.34%	14.88%	6.68%	5.42%	7/1/1999
The set principal process of the set of the	Gross Expense Ratio		34													3/31/2006
Marie Properties 1988 1989 19																
Marria	PG: Large Blend M'star Category			1				1-								
Mary Control Process 1968 1969	Fund vs. Large Blend M'star Category									N/A					N/A	
Mary	PG: Fund % Rank in Large Blend M'star Category															
14.00 1.00																
Section	, and old rading							1.07	1471	1471					1071	
1.10 1.10	TIAA-CREF GROWTH & INCOME FUND (TIIRX) ^[6]	\$6,294.10		17.36%	9.30%	12.44%	8.56%	2.09%	4.34%	10.36%	17.39%	9.76%	14.92%	7.99%	5.77%	7/1/1999
Standard 1906 200	Gross Expense Ratio		72	47 470/	40.270/	42 200/	7.540/	4.440/	0.570/	0.000/	47 470/	40.440/	45 400/	6.040/	E 000/	3/31/2006
Page	Fund vs.S&P 500 Index															
Part of the immension of the content of the conte	PG: Large Growth M'star Category			14.85%	8.53%					N/A			14.45%			
Professor 1500 15	Fund vs. Large Growth M'star Category															
THE SET LEADER STORMS TO THE PRIEST STORMS AND AS																
Marches Marc																
Marches 19 19 19 19 19 19 19 1	•															
Month shaded followerhender	TIAA-CREF LARGE-CAP GROWTH FUND (TIRTX)	\$4,400.10		12.70%	10.11%	12.88%	8.68%	3.84%	9.03%	17.83%	18.25%	11.97%	16.45%	8.60%	8.78%	3/31/2006
Figure 1948	Gross Expense Ratio RM: Russell 1000 Growth Index		76	15 76%	11 27%	13 320/	Q 13%	2 60%	6 16%	14 300/	20.27%	11 02%	15 09%	8 77%	9.27%	
PRI LINGUIS PRI CRIADE PROPRI PRI CRIADE PROPRI PRI CRIADE PROPRI	BM: Russell 1000 Growth Index Fund vs.Russell 1000 Growth Index															
Property of Prop	PG: Large Growth M'star Category															
Mary	Fund vs. Large Growth M'star Category															
March Marc	PG: Fund % Rank in Large Growth M'star Category															
Mary																
1200 1200	·															
Mary Mary Manusan 1968 1978	TIAA-CREF LARGE-CAP VALUE FUND (TCLCX)	\$6,487.70		21.71%	7.72%	12.36%	5.58%	-0.61%	-1.93%	2.30%	15.02%	6.73%	13.72%	4.58%	9.42%	10/1/2002
Fixed Secure 1980 Males 1980 May 1990 M	Gross Expense Ratio		73	40.000/	0.070/	40.400/	5.000/	0.400/	4.000/	0.070/	44.000/	7 700/	44.070/	5.450/	0.440/	
Part																
RE First Nation Langery Name Parties Canagery (** 1208) 1804 1807 1809 1809 1809 1809 1809 1809 1809 1809	PG: Large Value M'star Category															
Pick of Interior Manage 1988 1984 1985 1984 1985 19	Fund vs. Large Value M'star Category			427	40	89	-1	N/A	N/A	N/A	27	8	48	-24	N/A	
File Start Principle CARP ORIGINAT FUND (TOMOX) 1.564.70 7.7 1.64.00 1.564.70 7.7 1.64.00 1.654.70 7.7 1.64.00 1.654.70 7.7 1.654.70 1.654.70 7.7 1.654.70 1.654.70 7.7 1.654.70 1.654.70 7.7 1.654.70 1.654.70 7.7 1.654.70	PG: Fund % Rank in Large Value M'star Category															
TRANSPORT FUND (TCMOX) 1154-170 78 14.39% 4.99% 78 14.39% 78 14.39% 78 14.39% 78 14.39% 78 14.39% 78 14.39% 78 14.39% 78 15.39	PG: # of funds in Large Value M'star Category															
March Marc	rund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	**	N/A	
Manual Microgrown-Indeed 1,079 2,894 1,1994 1,1994 2,994 2,994 2,994 3,1945 1,1994	TIAA-CREF MID-CAP GROWTH FUND (TCMGX)	\$1,554.70	78	14.39%	4.90%	9.81%	7.33%	2.76%	5.63%	12.68%	15.68%	6.88%	12.42%	6.91%	11.06%	10/1/2002
File of S. P. M. Cong. Grown froze Congrey (1968) 1968 1	Gross Expense Ratio		78													
P. Mar Cappary	BM: Russell Mid Cap Growth Index															
File of to Michael Configuration 198																
Part	Fund vs. Mid-Cap Growth M'star Category															
Find Star Planting TIAL CREEF MID-CAP VALUE FUND (TCMVX) \$5,193.0 71 13.31% 72.7% 13.90%	PG: Fund % Rank in Mid-Cap Growth M'star Category			61%	73%	57%	48%	N/A	N/A	N/A	57%	70%	59%	47%	N/A	
THACAGEF MIAL CEPUND (TGINYO) 15,193.0 71 18,193.0 71 71 71 71 71 71 71 71 71 7	PG: # of funds in Mid-Cap Growth M'star Category															
The Rease Micro Day Value Index	Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
Bill Richard Mild Cally Value Indere 1928 8.94% 14.07% 7.47% 0.30% 0.85% 0.30% 15.27% 0.19% 0.50% 0.27% 0.19% 0.20%	TIAA-CREF MID-CAP VALUE FUND (TCMVX)	\$5,159.30	71	18.31%	7.27%	11.96%	6.66%	0.17%	-0.51%	3.20%	13.93%	6.54%	13.39%	5.85%	11.73%	10/1/2002
Fund or Registed Mid Cap Value Indicace (CPM Cap Value	Gross Expense Ratio		71													
18,86% 7,94% 12,02% 6,88% NA NA NA NA 14,81% 6,41% 13,75% 5,81% NA NA Fund with Missic Category 55 25 36 -2 NA NA NA NA 59% 51% 64% NA NA NA NA NA NA NA N	·			19.82%	8.94%	14.07%	7.47%	-0.31%		3.63%	15.27%	8.15%	15.63%	6.77%		
Find vis Mich Cally Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Cap Value Mistar Category PC: Fund Sh Ramix in Mich Catego	Tana variaccon mia cap valac macx			18.86%	7.04%	12.02%	6.68%	N/A	0.	N/A	14.61%	6.41%	13.75%	5.81%		
PR - # Of funds in Mid-Cap Value M*star Category S2,092.50 82 2.59% NA NA NA NA NA NA NA N	Fund vs. Mid-Cap Value M'star Category									N/A	-68	13	-36	4		
TIAL-CREF REAL ESTATE SECURITIES FUND (TOREX) \$2,092.00 82 \$2,094 \$9,094	PG: Fund % Rank in Mid-Cap Value M'star Category			60%	52%	56%	47%	N/A	N/A	N/A	59%	51%	64%	47%	N/A	
THA-CREF RAIL ESTATE SECURITIES FUND (TCREX) \$2,092.50 82 2.59% 9.69% 9.69% 9.00% 3.96% 9.00	PG: # of funds in Mid-Cap Value M'star Category															
Second Separate Ratio Second Seco	Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
Second Separate Ratio Second Seco	TIAA-CREF REAL ESTATE SECURITIES FUND (TCREX)	\$2,092.50	82	2.59%	9.69%	9.00%	3.96%	0.78%	0.58%	4.51%	4.89%	8.39%	9.79%	4.17%	10.39%	10/1/2002
Fund vs. FTSE NAREIT All Equity REITs Index	Gross Expense Ratio		82					1								
PG: Real Estate M'star Category Fund vs. Small Growth M'star Category Fund vs. Small Blend M'star Category F	BM: FTSE NAREIT All Equity REITs Index															
Fund vs. Real Estate Mistar Category PC: Fund's Rank in Real Estate Mist																
PG: Fund % Rank in Real Estate M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend M'star Category PG: Fund % Rank in Small Bend																
Fund Star Rating N/A **** *** N/A **** N/A N/A N	PG: Fund % Rank in Real Estate M'star Category															
TIAA-CREF SMALL-CAP EQUITY FUND (TCSEX) \$3,346.40 73 26.45% 8.86% 12.95% 7.04% 2.32% 2.16% 1.06% 21.23% 9.03% 14.67% 6.20% 10.76% 10/1/200 (Gross Expense Ratio) BM: Russell 2000 Index 26.22% 7.22% 12.35% 7.12% 2.03% 0.08% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% (Fund vs. Russell 2000 Index 26.22% 7.22% 12.35% 7.12% 2.03% 0.08% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% (Fund vs. Russell 2000 Index 27.24% 10.35% 7.12% 2.03% 0.08% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% (Fund vs. Russell 2000 Index 28.25% 7.22% 12.35% 7.12% 2.03% 0.08% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% (Fund vs. Russell 2000 Index 28.25% 7.22% 12.35% 7.12% 2.03% 0.08% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% (Fund vs. Russell 2000 Index 28.25% 7.22% 12.35% 7.12% 2.03% 0.08% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% (Fund vs. Russell 2000 Index 28.25% 7.22% 12.35% 7.12% 2.03% 0.08% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% (Fund vs. Russell Growth Mstar Category 404 352 222 27 N/A N/A N/A N/A 134 124 159 56 N/A N/A P.G. For funds in Small Growth Mstar Category 405 50.40% 13.0	PG: # of funds in Real Estate M'star Category			262	234	205	137	N/A	N/A	N/A	260	232	203	142	N/A	
Gross Expense Ratio 73 BM: Russell 2000 Index 26.22% 7.22% 12.35% 7.12% 2.03% -0.83% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% 10.	Fund Star Rating			N/A	****	***	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
Gross Expense Ratio 73 BM: Russell 2000 Index 26.22% 7.22% 12.35% 7.12% 2.03% -0.83% 1.48% 20.36% 8.00% 14.04% 6.40% 10.85% 10.	TIAA-CREF SMALL-CAP EQUITY FUND (TCSEX)	\$3,346.40	73	26,45%	8.86%	12,95%	7.04%	-2.32%	-2.16%	1.06%	21.23%	9.03%	14.67%	6.20%	10.76%	10/1/2002
Fund vs. Russell 2000 Index PG: Small Growth M'star Category Fund vs. Russell 2000 Index PG: Small Growth M'star Category PG: Small Growth M'star Category PG: Small Growth M'star Category PG: Fund s Rathin Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund Star Rating PG: Fund Star Rating PG: Fund Star Rating PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Blend M'star Category PG: Fund % Rank in Small Rank PG:	Gross Expense Ratio	¥0,0-10. 1 0		/0		. 2.00 /0		0_/0	/0		/0	00/0	/0	/9	/0	
PG: Small Growth M'star Category FUND vs. Small Growth M	BM: Russell 2000 Index															
Fund vs. Small Growth M'star Category Fund Star Rating Fund vs. Small Growth M'star Category Fund vs. Small Blend M'star Category Fund vs.	Fund vs.Russell 2000 Index						-									
PG: Fund % Rank in Small Growth M'star Category PG: Fund % Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Growth M'star Category PG: Fund w Rank in Small Blend M'star Category PG: Fund w Rank in Small Park Park Park Park Park Park Park Park	• •															
PG: # of funds in Small Growth M'star Category Fund Star Rating 670 599 527 386 N/A N/A N/A N/A N/A N/A 674 603 533 396 N/A Fund Star Rating 710 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$40 \$4	PG: Fund % Rank in Small Growth M'star Category															
TAA-CREF SMALLMID-CAP EQUITY (TSMEX) \$ \$593.70 90 N/A	PG: # of funds in Small Growth M'star Category															
Gross Expense Ratio 90 Mr. Russell 2500 Index -1.12% -0.43% 3.39% 10.72% Fund vs. Russell 2500 Index -1.12% -0.43% 3.39% 10.72% Fund vs. Russell Blend M'star Category -1.12	Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	***	****	***	N/A	
Gross Expense Ratio 90 Mr. Russell 2500 Index -1.12% -0.43% 3.39% 10.72% Fund vs. Russell 2500 Index -1.12% -0.43% 3.39% 10.72% Fund vs. Russell Blend M'star Category -1.12	TIAA-CREE SMALL/MID-CAR EQUITY (TOMEY.[4]	\$500 TO	00	N/A	M/A	N/A	N/A	4 400'	0.5461	2 470/	N/A	N/A	N/A	N/A	10.000	0/5/0010
BM: Russell 2500 Index -1.12% -0.43% 3.39% 10.72% Fund vs. Russell 2500 Index -30 -11 -22 21 PG: Small Blend Mfstar Category N/A N/A N/A N/A N/A N/A N/A Fund vs. Small Blend Mfstar Category N/A N/A N/A N/A N/A N/A N/A N/A N/A PG: Fund % Rank in Small Blend Mfstar Category N/A N/A N/A N/A N/A N/A N/A N/A N/A		\$593.70		N/A	N/A	N/A	N/A	-1.42%	-u.54%	3.17%	N/A	n/A	N/A	n/A	10.93%	0/0/2016
Fund vs.Russell 2500 Index30 -11 -22 21 PG: Small Blend Mstar Category	BM: Russell 2500 Index							-1.12%	-0.43%	3.39%					10.72%	
Fund vs. Small Blend M'star Category N/A N/A N/A N/A N/A PG: Fund % Rank in Small Blend M'star Category N/A N/A N/A N/A N/A N/A N/A N/A N/A	Fund vs.Russell 2500 Index															
PG: Fund % Rank in Small Blend M'star Category N/A N/A N/A N/A N/A	PG: Small Blend M'star Category															
* '	Fund vs. Small Blend M'star Category															
	Fund Star Rating															

		_		Previous Qu	arter-End Re	eturns				Current Mo	nth-End Ret	urns			
			1 Year	3 Year	vg. Annuar F 5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	Avg. An 5 Year	nuai Return 10 Year	Since	=
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
FUND	Assets (in \$Mil.)	Ratio (bps) [2]	to	to	to	to	to	to	to	to	to	to	to	to	Inc. Date
FUND	05/31/17	(ups)	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF SOCIAL CHOICE EQUITY FUND (TICRX) ^[6]	\$2,591.80	46	16.97%	8.07%	11.92%	6.93%	1.32%	2.55%	7.79%	17.33%	8.07%	14.23%	6.44%	5.23%	7/1/1999
Gross Expense Ratio BM: Russell 3000 Index		46	18.07%	9.76%	13.18%	7.54%	1.02%	2.16%	7.96%	17.69%	9.68%	15.26%	6.96%	6.00%	3/31/2006
Fund vs.Russell 3000 Index			-110	-169	-126	-61	30	39	-17	-36	-161	-103	-52	-77	
PG: Large Blend M'star Category Fund vs. Large Blend M'star Category			15.97% 100	8.14% -7	11.74% 18	6.52% 41	N/A N/A	N/A N/A	N/A N/A	16.05% 128	8.08% -1	13.99% 24	5.98% 46	N/A N/A	
PG: Fund % Rank in Large Blend M'star Category			37%	59%	56%	39%	N/A	N/A	N/A	34%	58%	55%	39%	N/A	
PG: # of funds in Large Blend M'star Category			1404	1248	1113	822	N/A	N/A	N/A	1383	1222	1081	798	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
TIAA-CREF SOCIAL CHOICE LOW CARBON EQUITY FUND (TLWCX)	\$72.00	65	17.17%	N/A	N/A	N/A	1.31%	2.48%	8.12%	17.22%	N/A	N/A	N/A	10.24%	8/7/2015
Gross Expense Ratio		97													
BM: Russell 3000 Index Fund vs.Russell 3000 Index			18.07% -90				1.02%	2.16% 32	7.96% 16	17.69% -47				10.33% -9	
PG: Large Blend M'star Category			15.97%				N/A	N/A	N/A	16.05%				N/A	
Fund vs. Large Blend M'star Category			120				N/A	N/A	N/A	117				N/A	
PG: Fund % Rank in Large Blend M'star Category PG: # of funds in Large Blend M'star Category			32% 1404				N/A N/A	N/A N/A	N/A N/A	37% 1383				N/A N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
Olahai Famikia															
Global Equities															
TIAA-CREF GLOBAL NATURAL RESOURCES FUND (TNRLX) Gross Expense Ratio	\$39.70	114 119	26.05%	-4.03%	-3.04%	N/A	-4.34%	-9.96%	-11.45%	7.77%	-7.51%	-2.08%	N/A	-3.37%	11/1/2011
BM: MSCI AC World Index Commodity Producers Sec. Cap. Index			24.49%	-4.13%	-2.78%		-1.00%	-1.90%	0.97%	16.45%	-5.49%	-0.19%		-2.00%	
Fund vs.MSCI AC World Index Commodity Producers Sec. Cap. Index			156	10	-26		-334	-806	-1242	-868	-202	-189		-137	
PG: Natural Resources M'star Category Fund vs. Natural Resources M'star Category			20.83% 522	-4.60% 57	-0.79% -225		N/A N/A	N/A N/A	N/A N/A	9.50% -173	-6.77% -74	1.23% -331		N/A N/A	
PG: Fund % Rank in Natural Resources M'star Category			16%	46%	53%		N/A	N/A	N/A	56%	48%	63%		N/A	
PG: # of funds in Natural Resources M'star Category			138 N/A	130	115 ***		N/A N/A	N/A	N/A	140	130	115		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
International Equities															
TIAA-CREF EMERGING MARKETS EQUITY FUND (TEMRX)	\$1,226.80	134	21.29%	-0.08%	0.47%	N/A	1.92%	11.38%	23.73%	30.72%	0.88%	4.45%	N/A	2.17%	8/31/2010
Gross Expense Ratio		136													
BM: MS Emerging Market Fund vs.MS Emerging Market			17.22% 407	1.18% -126	0.81% -34		2.96% -104	7.87% 351	17.25% 648	27.41% 331	1.62% -74	4.54% -9		2.93% -76	
PG: Diversified Emerging Mkts M'star Category			16.40%	0.71%	1.20%		N/A	N/A	N/A	23.72%	0.99%	4.68%		N/A	
Fund vs. Diversified Emerging Mkts M'star Category			489	-79	-73		N/A	N/A	N/A	700	-11	-23		N/A	
PG: Fund % Rank in Diversified Emerging Mkts M'star Category PG: # of funds in Diversified Emerging Mkts M'star Category			16% 811	69% 629	64% 429		N/A N/A	N/A N/A	N/A N/A	11% 820	60% 634	55% 441		N/A N/A	
Fund Star Rating			N/A	**	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF EMERGING MARKETS EQUITY INDEX FUND (TEQKX)	\$2,018.60	62	16.98%	0.78%	0.24%	N/A	2.95%	8.05%	17.77%	26.95%	1.20%	3.99%	N/A	2.15%	8/31/2010
Gross Expense Ratio		62													
BM: MS Emerging Market Fund vs.MS Emerging Market			17.22% -24	1.18% -40	0.81% -57		2.96%	7.87% 18	17.25% 52	27.41% -46	1.62% -42	4.54% -55		2.93% -78	
PG: Diversified Emerging Mkts M'star Category			16.40%	0.71%	1.20%		N/A	N/A	N/A	23.72%	0.99%	4.68%		N/A	
Fund vs. Diversified Emerging Mkts M'star Category			58	7	-96		N/A	N/A	N/A	323	21	-69		N/A	
PG: Fund % Rank in Diversified Emerging Mkts M'star Category PG: # of funds in Diversified Emerging Mkts M'star Category			47% 811	54% 629	68% 429		N/A N/A	N/A N/A	N/A N/A	32% 820	51% 634	65% 441		N/A N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF INTERNATIONAL EQUITY FUND (TIERX) ⁶	\$4.600.60	70	10 279/	1 20%	6.079/	0.60%	2 70%	44 900/	19 259/	16 60%	4 549/	11 169/	0.00%	E 0E%	7/4/4000
Gross Expense Ratio	\$4,699.60	78 78	10.27%	-1.39%	6.07%	0.69%	2.79%	14.89%	18.25%	16.69%	1.51%	11.16%	0.90%	5.05%	7/1/1999 3/31/2006
BM: Morgan Stanley EAFE Index			11.67%	0.50%	5.83%	1.05%	3.67%	9.23%	14.01%	16.44%	1.53%	10.21%	1.06%	4.00%	
Fund vs.Morgan Stanley EAFE Index PG: Foreign Large Growth M'star Category			-140 8.60%	-189 1.07%	24 5.49%	-36 1.90%	-88 N/A	566 N/A	424 N/A	25 15.29%	-2 3.05%	95 9.65%	-16 1.93%	105 N/A	
Fund vs. Foreign Large Growth M'star Category			167	-246	58	-121	N/A	N/A	N/A	140	-154	151	-103	N/A	
PG: Fund % Rank in Foreign Large Growth M'star Category			30%	90%	36%	83%	N/A N/A	N/A	N/A	36%	81%	17%	80%	N/A	
PG: # of funds in Foreign Large Growth M'star Category Fund Star Rating			400 N/A	324 ★	276 ***	191 *	N/A N/A	N/A N/A	N/A N/A	400 N/A	323 **	272 ****	193 ★	N/A N/A	
	****	400	40 ====					0.05**	40.0	40.5	0.75				
TIAA-CREF INTERNATIONAL OPPORTUNITIES FUND (TIOSX) Gross Expense Ratio	\$1,345.40	109 110	10.56%	0.08%	N/A	N/A	3.26%	9.95%	16.98%	16.64%	2.75%	N/A	N/A	4.51%	4/12/2013
BM: MSCI AC World Index ex USA			13.13%	0.56%			3.24%	8.13%	13.74%	18.24%	1.26%			4.29%	
Fund vs.MSCI AC World Index ex USA PG: Foreign Large Growth M'star Category			-257 8.60%	-48 1.07%			2 N/A	182 N/A	324 N/A	-160 15.29%	149 3.05%			22 N/A	
Fund vs. Foreign Large Growth M'star Category			196	-99			N/A	N/A	N/A	135	-30			N/A	
PG: Fund % Rank in Foreign Large Growth M'star Category			29%	70%			N/A	N/A	N/A	36%	53%			N/A	
PG: # of funds in Foreign Large Growth M'star Category Fund Star Rating			400 N/A	324 **			N/A N/A	N/A N/A	N/A N/A	400 N/A	323 ***			N/A N/A	
															40
TIAA-CREF INTERNATIONAL SMALL-CAP EQUITY FUND (TLISX) ⁴¹ Gross Expense Ratio	\$870.70	111	N/A	N/A	N/A	N/A	3.58%	9.25%	17.09%	N/A	N/A	N/A	N/A	15.90%	12/9/2016
BM: MSCI ACWI ex-US Small Cap Index							2.71%	7.99%	15.08%					15.78%	
Fund vs.MSCI ACWI ex-US Small Cap Index							87	126	201					12	
PG: Foreign Small/Mid Blend M'star Category Fund vs. Foreign Small/Mid Blend M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
PG: Fund % Rank in Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
PG: # of funds in Foreign Small/Mid Blend M'star Category							N/A	N/A	N/A					N/A	
Fund Star Rating			I				N/A	N/A	N/A					N/A	

	_		F		arter-End Re					Current Mo	nth-End Ret				
			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	=
	Total Portfolio Net Assets (in \$Mil.)	Exp. Ratio	04/01/16 to	04/01/14 to	04/01/12 to	04/01/07 to	05/01/17 to	03/01/17 to	01/01/17 to	06/01/16 to	06/01/14 to	06/01/12 to	06/01/07 to	Inception to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF SOCIAL CHOICE INTERNATIONAL EQUITY FUND (TSORX)	\$35.50	72	11.57%	N/A	N/A	N/A	2.96%	9.31%	13.96%	14.96%	N/A	N/A	N/A	3.98%	8/7/2015
Gross Expense Ratio		166													
BM: Morgan Stanley EAFE Index Fund vs.Morgan Stanley EAFE Index			11.67% -10				3.67% -71	9.23% 8	14.01% -5	16.44% -148				3.59% 39	
PG: Foreign Large Blend M'star Category			10.88%				N/A	N/A	N/A	15.99%				N/A	
Fund vs. Foreign Large Blend M'star Category PG: Fund % Rank in Foreign Large Blend M'star Category			69 42%				N/A N/A	N/A N/A	N/A N/A	-103 66%				N/A N/A	
PG: # of funds in Foreign Large Blend M'star Category			735				N/A	N/A	N/A	734				N/A	
Fund Star Rating			N/A				N/A	N/A	N/A	N/A				N/A	
Fixed Income															
TIAA-CREF BOND FUND (TIORX)	\$4,120.80	62	1.99%	2.97%	3.00%	4.36%	0.78%	1.57%	2.77%	2.74%	2.84%	3.07%	4.54%	5.14%	7/1/1999
Gross Expense Ratio		62	0.44%	2.68%	2.34%	4.27%	0.77%	1.49%	2.38%	1.58%	2.53%	2.24%	4.46%	5.00%	3/31/2006
BM: Bloomberg Barclays U.S. Aggregate Bond Index Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			155	2.00%	66	9	1	8	39	116	31	83	8	14	
PG: Intermediate-Term Bond M'star Category			1.74%	2.41%	2.52%	4.06%	N/A	N/A	N/A	2.59%	2.28%	2.52%	4.26%	N/A	
Fund vs. Intermediate-Term Bond M'star Category PG: Fund % Rank in Intermediate-Term Bond M'star Category			25 39%	56 20%	48 26%	30 42%	N/A N/A	N/A N/A	N/A N/A	15 40%	56 19%	55 24%	28 42%	N/A N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750	538	N/A	N/A	N/A	978	856	757	539	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF BOND INDEX FUND (TBILX)	\$7,963.60	46	-0.18%	2.23%	1.83%	N/A	0.73%	1.35%	2.17%	1.05%	2.08%	1.75%	N/A	3.16%	9/14/2009
Gross Expense Ratio BM: Bloomberg Barclays U.S. Aggregate Bond Index		46	0.44%	2.68%	2.34%		0.77%	1.49%	2.38%	1.58%	2.53%	2.24%		3.71%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			-62	-45	-51		-4	-14	-21	-53	-45	-49		-55	
PG: Intermediate-Term Bond M'star Category Fund vs. Intermediate-Term Bond M'star Category			1.74% -192	2.41%	2.52%		N/A N/A	N/A N/A	N/A N/A	2.59%	2.28%	2.52% -77		N/A N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			92%	64%	82%		N/A	N/A	N/A	90%	64%	84%		N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750		N/A	N/A	N/A	978	856	757		N/A	
Fund Star Rating			N/A	***	**		N/A	N/A	N/A	N/A	***	**		N/A	
TIAA-CREF BOND PLUS FUND (TCBPX)	\$3,672.10	63	2.69%	3.07%	3.26%	4.36%	0.69%	1.61%	2.96%	3.32%	2.96%	3.31%	4.56%	4.61%	3/31/2006
Gross Expense Ratio BM: Bloomberg Barclays U.S. Aggregate Bond Index		63	0.44%	2.68%	2.34%	4.27%	0.77%	1.49%	2.38%	1.58%	2.53%	2.24%	4.46%	4.56%	
Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			225	39	92	9	-8	12	58	174	43	107	10	5	
PG: Intermediate-Term Bond M'star Category Fund vs. Intermediate-Term Bond M'star Category			1.74% 95	2.41% 66	2.52% 74	4.06%	N/A N/A	N/A N/A	N/A N/A	2.59% 73	2.28% 68	2.52% 79	4.26% 30	N/A N/A	
PG: Fund % Rank in Intermediate-Term Bond M'star Category			24%	16%	17%	41%	N/A	N/A	N/A	73 26%	15%	17%	41%	N/A	
PG: # of funds in Intermediate-Term Bond M'star Category			972	851	750	538	N/A	N/A	N/A	978	856	757	539	N/A	
Fund Star Rating			N/A	****	****	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
TIAA-CREF EMERGING MARKETS DEBT FUND (TEDLX) Gross Expense Ratio	\$319.00	99 101	13.33%	N/A	N/A	N/A	0.98%	3.50%	7.90%	13.93%	N/A	N/A	N/A	5.52%	9/26/2014
BM: JPMorgan EMBI Global Diversified Index		101	8.92%				0.88%	2.77%	6.34%	9.77%				6.08%	
Fund vs.JPMorgan EMBI Global Diversified Index			441				10	73	156	416				-56	
PG: Emerging Markets Bond M'star Category Fund vs. Emerging Markets Bond M'star Category			10.20% 313				N/A N/A	N/A N/A	N/A N/A	10.89% 304				N/A N/A	
PG: Fund % Rank in Emerging Markets Bond M'star Category			19%				N/A	N/A	N/A	15%				N/A	
PG: # of funds in Emerging Markets Bond M'star Category Fund Star Rating			278 N/A				N/A N/A	N/A N/A	N/A N/A	282 N/A				N/A N/A	
TIAA-CREF HIGH YIELD FUND (TIYRX) Gross Expense Ratio	\$3,700.60	63	15.01%	4.01%	6.05%	6.86%	0.61%	1.14%	3.37%	12.39%	4.09%	6.44%	6.85%	7.15%	3/31/2006
BM: BofA ML BB-B Cash Pay Issuer Constrained Index (New)			13.78%	4.65%	6.60%	6.92%	0.82%	1.90%	4.38%	11.97%	4.78%	7.03%	6.95%	7.25%	
Fund vs.BofA ML BB-B Cash Pay Issuer Constrained Index (New) PG: High Yield Bond M'star Category			123 13.52%	-64 3.15%	-55 5.56%	-6 5.86%	-21 N/A	-76 N/A	-101 N/A	42 11.53%	-69 3.27%	-59 6.09%	-10 5.85%	-10 N/A	
Fund vs. High Yield Bond M'star Category			149	86	49	100	N/A	N/A	N/A	86	82	35	100	N/A	
PG: Fund % Rank in High Yield Bond M'star Category PG: # of funds in High Yield Bond M'star Category			33% 697	24% 596	31% 471	13% 318	N/A N/A	N/A N/A	N/A N/A	37% 686	27% 591	38% 468	13% 317	N/A N/A	
Fund Star Rating			N/A	****	***	****	N/A	N/A	N/A	N/A	****	***	****	N/A	
TIAA-CREF INFLATION-LINKED BOND FUND (TCILX[8]	\$2,585.00	58	0.83%	1.18%	0.24%	3.60%	0.00%	0.36%	1.26%	1.55%	0.17%	-0.40%	3.69%	3.96%	10/1/2002
Gross Expense Ratio	¥-,5	58													
BM: Bloomberg Barclays US TIPS 1-10 Year Index Fund vs.Bloomberg Barclays US TIPS 1-10 Year Index			1.45% -62	1.46% -28	0.62% -38	3.59%	-0.05% 5	0.46% -10	1.45% -19	2.17% -62	0.71% -54	0.37% -77	3.66%	3.92% 4	
PG: Inflation-Protected Bond M'star Category			2.13%	1.17%	0.40%	3.30%	N/A	N/A	N/A	2.68%	0.37%	-0.08%	3.42%	N/A	
Fund vs. Inflation-Protected Bond M'star Category PG: Fund % Rank in Inflation-Protected Bond M'star Category			-130 85%	1 51%	-16 65%	30 45%	N/A N/A	N/A N/A	N/A N/A	-113 89%	-20 65%	-32 75%	27 50%	N/A N/A	
PG: Fund % Rank in innation-Protected Bond Mistar Category PG: # of funds in Inflation-Protected Bond Mistar Category			237	195	165	108	N/A N/A	N/A N/A	N/A N/A	235	202	172	112	N/A N/A	
Fund Star Rating			N/A	***	**	***	N/A	N/A	N/A	N/A	**	**	***	N/A	
TIAA-CREF INTERNATIONAL BOND FUND (TIBEX) ⁴	\$282.80	100	N/A	N/A	N/A	N/A	0.72%	1.77%	2.84%	N/A	N/A	N/A	N/A	-0.25%	8/5/2016
Gross Expense Ratio BM: Bloomberg Barclays Global Aggregate ex-USD		104					0.43%	0.97%	1.09%					-0.59%	
Fund vs.Bloomberg Barclays Global Aggregate ex-USD							29	80	175					34	
PG: World Bond M'star Category							N/A	N/A	N/A					N/A	
Fund vs. World Bond M'star Category PG: Fund % Rank in World Bond M'star Category							N/A N/A	N/A N/A	N/A N/A					N/A N/A	
PG: # of funds in World Bond M'star Category							N/A	N/A	N/A					N/A	
Fund Star Rating			1				N/A	N/A	N/A					N/A	

Part	Part			_		Previous Qu	arter-End Re	turns		_	_	Current Mo	nth-End Reti	urns	_	_	_
Part	Mary					A	vg. Annuai k	eturns		0.14	VTD			Avg. An			_
Months M	Month Mont		Total Portfolio Net	Evn													
Mathematical properties 1986 19	Mathematical Properties 1988 1988 1989 19			Ratio					to								Inc.
Section 1988 1988 1989	Section	FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
Communication Communicatio	Section	TIAA-CREF SHORT-TERM BOND FUND (TCTRX)	\$1.865.30	58	1.62%	1.09%	1.20%	2.58%	0.21%	0.68%	1.08%	1.72%	1.09%	1.21%	2.62%	2.82%	3/31/2006
Part 1985	Months M		* 1,000.00									,					
Mary Second properties 1978 1	Second professional professio								0.17%								
Field Programment Company (1988) 1989 1989 1989 1989 1989 1989 1989	Final Stands 1								4 N/A								
Part	Prof. Prof				-4												
This part	THE STAND METHODS NOT TIME PROPRIES OF THE STAND AND STA				42%	48%	54%			N/A		48%				N/A	
March Professional Professional March	Marches 1940	PG: # of funds in Short-Term Bond M'star Category				444	359	257		N/A	N/A	519	451	376	263	N/A	
March Marc	1906 1906	Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	***	***	***	N/A	
Control Cont	1906 1906	TIAA-CREF SHORT-TERM BOND INDEX FUND (TRSHX)	\$196.00	47	0.13%	N/A	N/A	N/A	0.07%	0.28%	0.52%	0.48%	N/A	N/A	N/A	0.55%	8/7/2015
Common Part	The stands of th		¥100.00		0.1070				0.01 /0	0.2070	0.0270	0.4070			1074	0.0070	0.772010
1906 1907 1908 1909	Page	BM: Bloomberg Barclays US 1-3 Yr Govt Credit Index			0.71%				0.17%	0.40%	0.76%	0.99%				1.11%	
Mary	The serious in the month form form form form form form form form																
Part	Part																
Process Proc	Process Proc																
Field Build	Marcher Marc																
Commitments	Content Cont	Fund Star Rating															
Commitments	Content Cont	T. 1. 1 00-5 000 11 0100 5 00 10 5 11 10 (T000)	** ***	••	4 500/					4 ==0/	. =	0.070/	0.400/				0.04.004.0
Mile Note Note Note Note Note Note Note Not	MR Security Language interest of Language interes		\$1,218.80		1.56%	3.56%	N/A	N/A	0.76%	1.55%	2.73%	2.37%	3.18%	N/A	N/A	3.04%	9/21/2012
Professionary 1	150 150	BM: Bloomberg Barclays U.S. Aggregate Bond Index			0.44%	2.68%			0.77%	1.49%	2.38%	1.58%	2.53%			2.12%	
Part	The Control Section 10 10 10 10 10 10 10 1	Fund vs.Bloomberg Barclays U.S. Aggregate Bond Index			112	88			-1	6	35	79	65			92	
Part	Part	PG: Intermediate-Term Bond M'star Category															
Part See Entering Part	No. of the thin She Reliang 1984 19																
Fig. 15 Birds 19 19 19 19 19 19 19 19 19 19 19 19 19	Final Share Bridge 1846 68 1876																
TRANSPORT PRODUCTIONS (1984) 63 8,00% 2,47% 1,70% 3,10% 2,40% 1,20% 2,40	TRANCERE PIXAC EXERPT BOND PIXAC (TURKY) 138-14 143-15 153-																
Closed Exponent Managering For See Managering Decomines	Close Company Name Company C	-															
Mile Note Note Mile Note	M. B. Dischops gleadings in Yawa Manugali Boord looks	TIAA-CREF TAX-EXEMPT BOND FUND (TIXRX)	\$286.10		-0.90%	2.42%	1.97%	3.58%	1.32%	2.44%	3.60%	0.41%	2.36%	1.95%	3.84%	3.88%	3/31/2006
File of a Biochemical professional professio	THIS AS INDIVIDUAL PROPRESSIVE CROWNED FLYND (TIRDAY) 10			63	-0.24%	3.60%	3.35%	4.81%	1.79%	3.10%	4.59%	1.68%	3.66%	3.45%	5.12%	5.07%	
Field Part Michael International International International Collegeny 98	Figure 1, Name Authorised Internal Maria Cologopy 90 20 20 20 20 20 20 20	Fund vs.Bloomberg Barclays 10-Year Municipal Bond Index															
PC Furth Park P	PS - Furth R Park IN Mark Notices interm Mater Category 956 250	PG: Muni National Interm M'star Category			-0.31%	2.71%	2.57%	3.48%	N/A	N/A	N/A	0.89%	2.62%	2.58%	3.65%	N/A	
Pick of Line Indian Mandre Indiano Mandre Indiano Mandre Calegory 144 NA 145	Pick of Inform Mark Callegory 154 15	Fund vs. Muni National Interm M'star Category															
### PARTICIPATION MAIN MAI	Multi-Asset Multi																
Multi-ASSET TIMA_CREF LIFECYCL RETIREMENT INCOME FUND (TLRRD) \$498.20 \$2 7.33° 4.04° 5.84° 0.05° 0.25° 0.05° 0.25° 0.05° 0.25° 0.05° 0.25° 0.05° 0	Multi-ASSE\$ TIMA_CREP LIPECYCL RETIREMENT INCOME FUND (TLRIXD) 18498 20 82 7.39%																
TRAL-CREF LIFECYCLE RETIREMENT NOOME FUND (TLRINX)	TRAA.CREF LIFECYCLE RETREMENT INCOME FUND (TLRINX)	Tallo Stal Halling									1071						
Consist Exercise Retained Number Fund Composite Index	Gross Experiment Ration Mill Exciptle Retelement Income Fund Composite Index 0.89% 4.29% 5.46% 7.95% 5.11% 7.92% 4.17% 6.34% 4.29% 4.21%	Multi-Asset															
Consist Exercise Retained Number Fund Composite Index	Gross Experiment Ration Mill Exciptle Retelement Income Fund Composite Index 0.89% 4.29% 5.46% 7.95% 5.11% 7.92% 4.17% 6.34% 4.29% 4.21%	TIAA-CREF LIFECYCLE RETIREMENT INCOME FUND (TLRRX)	\$495.20	62	7.93%	4.04%	5.54%	N/A	1.06%	2.80%	5.84%	8.82%	4.25%	6.60%	N/A	4.73%	11/30/200
Fland is Lifescycle Retriement Martar Category	Find the Likeyloke Retirement Indoors 107 22 6 7 55 83 90 8 20 18 Find the Likeyloke Retirement Mistar Category Find the Retir			80													
Fig. 1	P.C. Targer-Liber Retirement Martar Category 100 101	BM: Lifecycle Retirement Income Fund Composite Index							0.99%								
Fund vs. Target-Date Retirement Mater Category Find vs. Target-Date Retirement Mater Category Find vs. Target-Date Retirement Mater Category Find Star Ratin F	Find via Targin-Claide Retirement Mittar Calegory Find Via Targin-Claide Retirement Mater Calegory Find Via Targin Targin-Claide Retirement Mater Calegory Find Star Ratin Image-Claide Retirement Mater Calegory Find Star Ratin Image								7								
P.C. Fland's Rank in Targel-Dule Retirement Mainr Category 174 136 174 174 176	PC Fund S Famel in Targing-Educing Retriemment Mater Category 13% 7% 6% NA NA NA NA NA NA NA N																
P.C. = Of India in Target-Date Retirement Mistar Category	PR. = of finds in Target-Date Retirement Mater Category 171 133 113 113 113 114 116 114 116 114 116 114 116 114 116 114 116 114 116 114 116 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 115 114 115 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 114 115 115 114 115 115 114 115																
TA-CRET LIFESTYLE AGGRESSIVE GROWTH FUND (TSALX) 588.00 89 16.25% 5.85% 5.	TABLE FLESTYLE AGGRESSIVE GROWTH FUND (TSALX) 568.00 89 16.25% 5.95% 9.38% NA 1.74% 5.26% 11.26% 17.64% 6.81% 12.99% NA 12.34% 128/2016 Gross Experise Ratio 120 BM. Lifetyle Aggressive Composite Benchmark 16.69% 6.99% 10.54% 16.69% 7.15% 13.29% 7.15% 13.29% 12.52% 14.15% 15.40% 10.54% 1.05% 7.15% 15.25% 14.15% 15.40% 10.54% 1.05% 7.15% 15.25% 14.15% 15.40% 10.54% 1.05% 7.15% 15.25% 14.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 10.54% 1.05% 7.15% 7.15% 10.54% 1.05% 7.15% 7.	PG: # of funds in Target-Date Retirement M'star Category			171	133	113		N/A	N/A	N/A	171	136	114		N/A	
Scale Supprise Ratio 120 16.69% 6.39% 10.54% 1.87% 3.92% 9.72% 17.89% 7.17% 13.23% 12.52% 1.87% 1.	Cross Expense Ratio 120 16.86% 6.99% 10.54% 1.87% 3.92% 9.72% 17.98% 7.17% 13.23% 12.52% 1.87% 1.87% 1.87% 3.92% 1.8	Fund Star Rating			N/A	****	****		N/A	N/A	N/A	N/A	****	****		N/A	
Scale Supprise Ratio 120 16.69% 6.39% 10.54% 1.87% 3.92% 9.72% 17.89% 7.17% 13.23% 12.52% 1.87% 1.	Cross Expense Ratio 120 16.86% 6.99% 10.54% 1.87% 3.92% 9.72% 17.98% 7.17% 13.23% 12.52% 1.87% 1.87% 1.87% 3.92% 1.8	TIAA. CREE I IEESTYI E AGGRESSIVE GROWTH EININ (TSAI Y)	\$68.00	80	16 25%	5 95%	9 98%	N/A	1 74%	5 26%	11 26%	17 64%	6.81%	12 99%	N/A	12 34%	12/9/2011
Fund vs.Lifestyka Aggressive Composite Benchmark	Fund vs.Lifestyle Aggressive Composite Benchmark 44 - 104 - 56 - 7 134 154 - 34 - 36 - 24 - 18 PC: Allocation—859* Equity Mistar Category 144 91% 5.37% 9.09% N/A N/A N/A N/A N/A N/A 15.54% 5.55% 11.62% N/A PC: Fund vs. Allocation—859* Equity Mistar Category 134 58 89 N/A N/A N/A N/A N/A 12% 15% 10% N/A PC: Fund vs. Allocation—859* Equity Mistar Category 134 58 89 N/A N/A N/A N/A N/A N/A 12% 15% 10% N/A PC: Fund vs. Allocation—859* Equity Mistar Category 134 58 89 N/A N/A N/A N/A N/A N/A 12% 15% 10% N/A PC: Fund vs. Allocation—859* Equity Mistar Category 134 58 89 N/A N/A N/A N/A N/A N/A N/A 12% 15% 10% N/A PC: Fund vs. Allocation—859* Equity Mistar Category 134 58 89 N/A	Gross Expense Ratio	400.00		10.2576	0.3576	3.30 /6	IVA.	1.7470	3.20%	11.2076	17.0470	0.0176	12.3376	IVA	12.0470	12/3/2011
Fig.	PG: Allocation—85% Equity Mistar Category Fund vs. Allocation—95% Equity	33				6.99%	10.54%		1.67%	3.92%	9.72%	17.98%	7.17%	13.23%		12.52%	
Fund vs. Allocation—85% Equity Mistar Category 24	Fund vs. Allocation-85% + Equity Mistar Category PC: Fund vs. Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-85% + Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-30% to 50% Equity Mistar Category PC: furth funds in Allocation-								7								
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Fire Formula in Allocation—85% Equity Mistar Category Star Allocation—185% Equity Mistar Category Star Allocation—185% Equity Mistar Category Star Allocation—185% Equity Mistar Category Star Allocation—186% Star Al	PG:# of funds in Allocation—85% Equity Mistar Category 161 139 125 N/A																
Fund Star Rating NA	Fund Star Rating N/A *** *** N/A N/A N/A N/A N/A																
Second Realion	Section Sect	Fund Star Rating			N/A	***	****		N/A	N/A	N/A	N/A	****	****		N/A	
Second Realion	Section Sect	TIAA ODEE LIEFOTY E CONCEDIVATIVE SINIS (TOOL Y)	6470.40		7 770	2.000/	F F00'	N/A	0.0024	2 0001	F 000'	0.5001	4.0001	C 75°	N/A	C 75°'	40/0/00:
BM: Lifestyle Conservative Composite Benchmark 6,78% 4,18% 5,43% 1,01% 2,24% 4,94% 7,80% 4,19% 6,38% 6,31% 1,01% 2,24% 4,94% 7,80% 4,19% 6,38% 6,31% 1,01% 2,24% 4,94% 2,2	BM: Lifestyle Conservative Composite Benchmark 6,78% 4,18% 5,43% 1,01% 2,24% 4,94% 7,80% 4,19% 6,38% 6,31% Fund vs. Lifestyle Conservative Composite Benchmark 99 -26 15 - 2 62 95 79 1 37 44 8,03% 3,25% 5,13% N/A N/A N/A 8,10% 3,16% 6,12% N/A N/A PG: Fund vs. Allocation—30% to 50% Equity Mistar Category -26 67 45 N/A N/A N/A N/A N/A 49 104 63 N/A N/A PG: #of funds in Allocation—30% to 50% Equity Mistar Category -27% 25% 8,96% N/A		\$1/9.10		1.11%	3.92%	5.58%	N/A	0.99%	2.86%	5.89%	8.59%	4.20%	6./5%	N/A	6.75%	12/9/2011
Fund vs. Lifestyle Conservative Composite Benchmark 99 - 26 15 - 2 62 95 79 1 37 44 PG: Allocation—30% to 50% Equity M'star Category 80.3% 3.25% 5.13% N/A N/A N/A N/A N/A N/A 8.10% 5.16% 6.12% N/A PG: Fund 's. Allocation—30% to 50% Equity M'star Category 90 - 26 67 45 N/A N/A N/A N/A N/A N/A 49 104 63 N/A PG: Fund 's. Allocation—30% to 50% Equity M'star Category 91 - 28 29% 35% N/A	Fund vs. Lifestyle Conservative Composite Benchmark 99 - 26 15 - 2 62 95 79 1 37 44 PG: Allocation30% to 50% Equity M'star Category 104 8.03% 3.25% 5.13% N/A N/A N/A N/A N/A 8.10% 3.16% 6.12% N/A 105 PG: Fund 's. Allocation30% to 50% Equity M'star Category 105 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 105 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 105 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 106 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 107 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 108 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 109 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 109 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 109 PG: Fund 's. Rank in Allocation30% to 50% Equity M'star Category 100 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 100 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: Fund 's. Rank in Allocation70% to 85% Equity M'star Category 109 PG: F	BM: Lifestyle Conservative Composite Benchmark			6.78%	4.18%	5.43%		1.01%	2.24%	4.94%	7.80%	4.19%	6.38%		6.31%	
Fund vs. Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—30% to 50% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85% Equity M'star Category Fig. # of funds in Allocation—70% to 85%	Fund vs. Allocation—30% to 50% Equity M'star Category -26 67 45 N/A N/A N/A N/A N/A 49 104 63 N/A PG: #O: Fund vs. Allocation—30% to 50% Equity M'star Category -28 29% 35% N/A N/A N/A N/A N/A 506 401 349 N/A	Fund vs.Lifestyle Conservative Composite Benchmark					15										
PG: Fund % Rank in Allocation—30% to 50% Equity M*star Category PG: Fund % Rank in Allocation—30% to 50% Equity M*star Category Fund Star Rating \$16.70 \$13 \$408 \$350 \$N/A \$N/A \$N/A \$N/A \$N/A \$N/A \$N/A \$N/A	PG: Fund % Rank in Allocation—30% to 50% Equity Mistar Category 52% 29% 35% N/A N/A N/A N/A 37% 19% 30% N/A PC: # of funds in Allocation—30% to 50% Equity Mistar Category 513 408 350 N/A N/A N/A N/A N/A 506 401 349 N/A Fund Star Rating 101 101 101 101 101 101 101 1																
PG: # of funds in Allocation30% to 50% Equity M'star Category Fund Star Rating 513 408 350 N/A	PG: # of funds in Allocation—30% to 50% Equity M'star Category 513 408 350 N/A N/A N/A N/A N/A 506 401 349 N/A **** **** N/A ***** **** N/A ****** **** N/A ****** N/A ***********************************																
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Gross Expense Ratio BM: Lifestyle Growth Composite Benchmark 13.29* 6.2% 8.96% 1.49% 3.44% 8.2% 14.56% 6.33% 11.04% 10.58% Fund vs.Lifestyle Growth Composite Benchmark 42 74 -23 5 112 141 27 -17 6 1 33 PG: Allocation-70% to 85% Equity Mstar Category 12.55% 4.51% 7.85% N/A N/A N/A N/A 12.90% 4.66% 9.86% N/A Fund vs. Allocation-70% to 85% Equity Mstar Category 16. 97* 88 N/A N/A N/A N/A 193 150 124 N/A PG: Fund % Rankin Allocation-70% to 85% Equity Mstar Category 17. 27% 23% N/A N/A N/A N/A N/A 18% 15% N/A PG: # of funds in Allocation-70% to 85% Equity Mstar Category 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	Gross Expense Ratio BM: Lifestyle Growth Composite Benchmark 13.29% 6.2% 8.96% 1.49% 3.44% 8.22% 14.56% 6.33% 11.04% 10.58% Fund vs. Lifestyle Growth Composite Benchmark 42 -74 -23 5 112 141 27 -17 6 13 PG: Allocation70% to 85% Equity Mistar Category 12.55% 4.51% 7.85% N/A N/A N/A N/A 12.90% 4.66% 9.86% N/A Fund vs. Allocation70% to 85% Equity Mistar Category 116 97 88 N/A N/A N/A N/A 193 150 124 N/A PG: Fund vs. Ratio, In Allocation70% to 85% Equity Mistar Category 27% 27% 23% N/A N/A N/A N/A 18% 14% 15% N/A PG: # of funds in Allocation70% to 85% Equity Mistar Category 397 347 286 N/A N/A N/A N/A 377 334 290 N/A	Fund Star Rating															
Gross Expense Ratio BM: Lifestyle Growth Composite Benchmark 13.29% 6.2% 8.96% 1.49% 3.44% 8.2% 14.56% 6.33% 11.04% 10.58% Fund vs. Lifestyle Growth Composite Benchmark 42 74 -23 5 112 141 27 -17 6 13 PG: Allocation-70% to 85% Equity Mstar Category 12.55% 4.51% 7.85% N/A N/A N/A N/A 12.90% 4.66% 9.86% N/A Fund vs. Allocation-70% to 85% Equity Mstar Category 16 97 88 N/A N/A N/A 193 150 124 N/A PG: Fund % Rankin Allocation-70% to 85% Equity Mstar Category 37 27% 23% N/A N/A N/A N/A 18% 15% 15% N/A PG: # of funds in Allocation-70% to 85% Equity Mstar Category 37 347 286 N/A N/A N/A N/A N/A 377 334 290 N/A	Gross Expense Ratio BM: Lifestyle Growth Composite Benchmark 13.29% 6.2% 8.96% 1.49% 3.44% 8.22% 14.56% 6.33% 11.04% 10.58% Fund vs. Lifestyle Growth Composite Benchmark 42 -74 -23 5 112 141 27 -17 6 13 PG: Allocation70% to 85% Equity Mistar Category 12.55% 4.51% 7.85% N/A N/A N/A N/A 12.90% 4.66% 9.86% N/A Fund vs. Allocation70% to 85% Equity Mistar Category 116 97 88 N/A N/A N/A N/A 193 150 124 N/A PG: Fund vs. Ratio, In Allocation70% to 85% Equity Mistar Category 27% 27% 23% N/A N/A N/A N/A 18% 14% 15% N/A PG: # of funds in Allocation70% to 85% Equity Mistar Category 397 347 286 N/A N/A N/A N/A 377 334 290 N/A																
BM: Lifestyle Growth Composite Benchmark 13.29% 6.2% 8.96% 1.49% 3.44% 8.2% 14.56% 6.33% 11.04% 10.58% Fund vs. Lifestyle Growth Composite Benchmark 42 74 23 5 112 141 27 17 6 13 PG: Allocation—70% to 85% Equity Mstar Category 116 97 88 N/A N/A N/A N/A 12.90 4.66% 9.86% N/A PG: Fund vs. Allocation—70% to 85% Equity Mstar Category 27% 27% 28% N/A N/A N/A N/A 18% 193 150 124 N/A PG: Fund vs. Allocation—70% to 85% Equity Mstar Category 37% 286 N/A N/A N/A N/A N/A 17% 377 334 290 N/A	BM: Lifestyle Growth Composite Benchmark 13.29% 6.22% 8.96% 1.49% 3.44% 8.22% 14.56% 6.33% 11.04% 10.58% Fund vs. Lifestyle Growth Composite Benchmark 42 -74 -23 5 112 141 27 -17 6 13 PC: Allocation—70% to 85% Equity M'star Category 12.55% 4.51% 7.85% N/A N/A N/A 12.90% 4.66% 9.86% N/A N/A N/A 193 150 124 N/A PC: Fund 's Rank in Allocation—70% to 85% Equity M'star Category 27% 23% N/A N/A N/A 18% 18% 14% 15% N/A PC: Fund 's Rank in Allocation—70% to 85% Equity M'star Category 397 347 286 N/A N/A N/A N/A 377 334 290 N/A		\$106.70		13.71%	5.48%	8.73%	N/A	1.54%	4.56%	9.63%	14.83%	6.16%	11.10%	N/A	10.71%	12/9/2011
Fund vs.Lifestyle Growth Composite Benchmark 42 -74 -23 5 112 141 27 -17 6 13 PG: Allocation70% to 85% Equity Mistar Category 12.55% 4.51% 7.85% N/A N/A N/A N/A 12.90% 4.66% 9.86% N/A N/A N/A N/A 12.90% 4.66% 9.86% N/A	Fund vs. Lifestyle Growth Composite Benchmark 427423 5 112 141 2717 6 13 PG: Allocation—70% to 85% Equity M*star Category 12.55% 4.51% 7.85% N/A N/A N/A N/A 12.90% 4.66% 9.86% N/A PG: Fund vs. Allocation—70% to 85% Equity M*star Category 16 88 N/A N/A N/A 193 150 124 N/A PG: Fund vs. Rank in Allocation—70% to 85% Equity M*star Category 27% 23% N/A N/A N/A N/A 18% 14% 15% N/A PG: Fund vs. Rank in Allocation—70% to 85% Equity M*star Category 397 347 286 N/A N/A N/A N/A 377 334 290 N/A			101	13.29%	6.22%	8.96%		1.49%	3.44%	8.22%	14.56%	6.33%	11.04%		10.58%	
PG: Allocation—70% to 85% Equity Mistar Category 12.55% 4.51% 7.85% N/A N/A N/A 12.90% 4.66% 9.86% N/A Fund vs. Allocation—70% to 85% Equity Mistar Category 116 97 88 N/A N/A N/A 193 150 124 N/A PG: Fund % Rankin Allocation—70% to 85% Equity Mistar Category 27% 23% N/A N/A N/A N/A 18% 14% 15% N/A PG: # of funds in Allocation—70% to 85% Equity Mistar Category 397 347 286 N/A N/A N/A N/A 377 334 290 N/A	PG: Allocation—70% to 85% Equity M'star Category 12.55% 4.51% 7.85% N/A N/A N/A 12.90% 4.66% 9.86% N/A Fund vs. Allocation—70% to 85% Equity M'star Category 116 97 8.8 N/A N/A N/A 193 150 124 N/A PG: Fund vs. Allocation—70% to 85% Equity M'star Category 27% 23% N/A N/A N/A 18% 14% 15% N/A PG: # of funds in Allocation—70% to 85% Equity M'star Category 397 347 286 N/A N/A N/A 377 334 290 N/A								5								
PG: Fund % Rank in Allocation70% to 85% Equity M*star Category 27% 27% 23% N/A N/A N/A 18% 15% N/A PG: # of funds in Allocation70% to 85% Equity M*star Category 397 347 286 N/A N/A N/A 377 334 290 N/A	PG: Fund % Rank in Allocation70% to 85% Equity M'star Category 27% 27% 23% N/A N/A N/A N/A 18% 14% 15% N/A PG: # of funds in Allocation70% to 85% Equity M'star Category 397 347 286 N/A N/A N/A 377 334 290 N/A				12.55%	4.51%	7.85%		N/A	N/A	N/A	12.90%	4.66%	9.86%		N/A	
PG: # of funds in Allocation70% to 85% Equity M*star Category 397 347 286 N/A N/A N/A 377 334 290 N/A	PG: # of funds in Allocation70% to 85% Equity M'star Category 397 347 286 N/A N/A N/A 377 334 290 N/A																
		PG: Fund % Rank in Allocation70% to 85% Equity M'star Category															

				Previous Qua	arter-End Re	turns				Current Mo	nth-End Retu				
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			1 Year	3 Year	5 Year	10 Year	1 Month	3 Month	YTD	1 Year	3 Year	5 Year	10 Year	Since	_
	Total Portfolio Net	Exp.	04/01/16	04/01/14	04/01/12	04/01/07	05/01/17	03/01/17	01/01/17	06/01/16	06/01/14	06/01/12	06/01/07	Inception	
	Assets (in \$Mil.)	Ratio	to	to	to	to	to	to	to	to	to	to	to	to	Inc.
FUND	05/31/17	(bps) [2]	03/31/17	03/31/17	03/31/17	03/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	05/31/17	Date
TIAA-CREF LIFESTYLE INCOME FUND (TSILX)	\$65.70	71	4.88%	2.89%	3.75%	N/A	0.73%	1.94%	3.75%	5.43%	2.98%	4.34%	N/A	4.47%	12/9/2011
Gross Expense Ratio		98													
BM: Lifestyle Income Composite Benchmark			3.66%	2.93%	3.49%		0.71%	1.54%	3.16%	4.48%	2.90%	3.93%		4.01%	
Fund vs.Lifestyle Income Composite Benchmark			122	-4	26		2	40	59	95	8	41		46	
PG: Allocation15% to 30% Equity M'star Category			5.78%	2.49%	3.37%		N/A	N/A	N/A	5.96%	2.35%	3.98%		N/A	
Fund vs. Allocation15% to 30% Equity M'star Category			-90	40	38		N/A	N/A	N/A	-53	63	36		N/A	
PG: Fund % Rank in Allocation15% to 30% Equity M'star Category			67%	44%	47%		N/A	N/A	N/A	68%	38%	46%		N/A	
PG: # of funds in Allocation15% to 30% Equity M'star Category			202	171	151		N/A	N/A	N/A	209	180	148		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	***	***		N/A	
TIAA-CREF LIFESTYLE MODERATE FUND (TSMLX)	\$259.80	79	10.87%	4.96%	7.43%	N/A	1.36%	3.87%	7.95%	11.90%	5.39%	9.18%	N/A	9.03%	12/9/2011
Gross Expense Ratio		89													
BM: Lifestyle Moderate Composite Benchmark			9.97%	5.40%	7.35%		1.31%	2.95%	6.74%	11.20%	5.44%	8.85%		8.61%	
Fund vs.Lifestyle Moderate Composite Benchmark			90	-44	8		5	92	121	70	-5	33		42	
PG: Allocation50% to 70% Equity M'star Category			10.53%	4.43%	7.04%		N/A	N/A	N/A	10.66%	4.36%	8.43%		N/A	
Fund vs. Allocation-50% to 70% Equity M'star Category			34	53	39		N/A	N/A	N/A	124	103	75		N/A	
PG: Fund % Rank in Allocation50% to 70% Equity M'star Category			35%	43%	43%		N/A	N/A	N/A	23%	28%	36%		N/A	
PG: # of funds in Allocation50% to 70% Equity M'star Category			824	721	616		N/A	N/A	N/A	830	727	653		N/A	
Fund Star Rating			N/A	***	***		N/A	N/A	N/A	N/A	****	****		N/A	
TIAA-CREF MANAGED ALLOCATION FUND (TIMRX)	\$815.10	65	11.01%	5.16%	7.53%	5.12%	1.31%	3.74%	7.80%	12.07%	5.54%	9.22%	4.96%	5.78%	3/31/2006
Gross Expense Ratio		73													
BM: Managed Allocation Composite Index ^[5]			9.97%	5.40%	7.45%	5.43%	1.31%	2.95%	6.74%	11.20%	5.44%	8.92%	5.24%	6.02%	
Fund vs.Managed Allocation Composite Index			104	-24	8	-31	0	79	106	87	10	30	-28	-24	
PG: Allocation50% to 70% Equity M'star Category			10.53%	4.43%	7.04%	5.06%	N/A	N/A	N/A	10.66%	4.36%	8.43%	4.73%	N/A	
Fund vs. Allocation-50% to 70% Equity M'star Category			48	73	49	6	N/A	N/A	N/A	141	118	79	23	N/A	
PG: Fund % Rank in Allocation50% to 70% Equity M'star Category			32%	36%	40%	48%	N/A	N/A	N/A	20%	26%	35%	43%	N/A	
PG: # of funds in Allocation50% to 70% Equity M'star Category			824	721	616	424	N/A	N/A	N/A	830	727	653	431	N/A	
Fund Star Rating			N/A	***	***	***	N/A	N/A	N/A	N/A	****	****	***	N/A	
Money Market															
TIAA-CREF MONEY MARKET FUND (TIRXX) ^[3,6,7]	\$910.50	48	0.03%	0.01%	0.01%	0.69%	0.03%	0.06%	0.07%	0.07%	0.02%	0.01%	0.60%	1.87%	7/1/1999
Gross Expense Ratio		48													3/31/2006
BM: iMoneynet Money Fund AveragesTM-All Government			0.12%	0.05%	0.03%	0.52%	0.03%	0.08%	0.11%	0.16%	0.07%	0.05%	0.45%	1.54%	
Fund vs.iMoneynet Money Fund AveragesTM-All Government			-9	-4	-2	17	0	-2	-4	-9	-5	-4	15	33	
7-Day Effective Yield as of 05/31/2017: 0.34%															
7-Day Current Yield as of 05/31/2017: 0.34%															
MUTUAL FUND TOTALS ^[1]	\$83.914.00														

BM = Benchmark; PG = Peer Group; % Rank within Morningstar Category: 1 = Best 100 = Worst; Morningstar Category Returns are equal-weighted.

- [1] Combined Mutual Funds' Net Assets exclude the Managed Allocation Fund, Lifecycle Funds, and Lifestyle Funds
- [2] The net expense ratio (top number) represents expenses after reimbursement and waivers, and is what participants actually pay. The number below represents the gross expense ratio, before consideration for reimbursements and/or waivers.
- [3] The "Since Inception" benchmark performance shown is computed from August 1999.
- [4] The "Since Inception" values presented are cumulative values and not average annualized total returns.
- [5] 42% Russell 3000® Index, 40% Bloomberg Barclays U.S. Aggregate Bond Index, 18% Morgan Stanley All Country World Index ex-USA.

[6] The Retail Class began operations on March 31, 2006. Where a product lists two inception dates, the top date reflects the inception of the orduct's oldest share class, and the bottom date represents the date of inception for the Share Class being reported. Performance shown for periods prior to the inception of the Retail Class reflects the performance of the Institutional Class, and has not been adjusted to reflect the higher expenses of the Retail Class. [7] Beginning August 18, 2009, part or all of the 12b-1 distribution expenses of the Retail Class of the TIAA-CREF Money Market Fund are not being reimbursed to the Fund's distributor. The Fund's advisor is also vaiving part or all of the investment management fees and reimbursing certain other Fund expenses. Without these changes, current and effective annualized yields and total returns would have been lower. These voluntary fee and waivers and reimbursements may be discontinued at any time without notice.

[8] Effective January 1, 2016 the Fund's benchmark index changed from the Bloomberg Barclays U.S. TIPS Index to the Bloomberg Barclays 1-10 US Treasury Inflation Protected Securities Index.

Teachers Advisors, LLC. ("Advisors"), the Funds' investment adviser has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed 0.25% of average daily net assets for the Lifecycle and 0.29% for the Lifecycle Index Retail Class Funds. These expense reimbursement arrangements will continue through at least September 30, 2017 unless changed with approval of the Board of Trustees.

In addition to the expense reimbursement arrangement, Advisors has contractually agreed to waive a portion of the Fund's Management Fee equal to, on an annual basis of 0.10% for the all of the Lifecycle Funds. This waiver will remain in effect through September 30, 2017, unless changed with approval of the Board of Trustees.

The Morningstar category averages, percentile ranks and star ratings are sourced from the Morningstar Essentials files prepared for TIAA as well as from Morningstar Direct.

Under the Funds' expense reimbursement arrangements, the Funds' investment adviser, Teachers Advisors, LLC. ("Advisors"), has contractually agreed to reimburse the Funds for any Total Annual Fund Operating Expenses (excluding Acquired Fund Fees and Expenses and extraordinary expenses) that exceed the following annual rates of average daily net assets: a) 0.91% for the Growth & Income Fund; 0.99% for the International Equity Fund; 1.34% for the Emerging Markets Equity Fund; 0.91% for the Large-Cap Growth Fund; 0.94% for the Mid-Cap Growth Fund; 0.94% for the Mid-Cap Value Fund; 0.92% for the Small-Cap Equity Fund; 0.48% for the Emerging Markets Equity Index Fund; 0.65% for the Emerging Markets Equity Index Fund; 0.70% for the Emerging Markets Debt Fund; b) 0.96% for the Real Estate Securities Fund; 0.70% for the Bond Fund; 0.70% for the Bond Fund; 0.70% for the Short-Term Bond Fund; 0.45% for the Inflation-Linked Bond Fund; 0.75% for the High-Yield Fund; 0.70% for the Social Choice Bond Fund; 0.47% for the Short-Term Bond Index Fund; 0.71% for the Social Choice Low Carbon Equity Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fund; 0.71% for the Social Choice Low Carbon Equity Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fund; 0.75% for the Managed Allocation Fund; 0.75% for the Short-Term Bond Index Fu

- a) These expense reimbursement arrangements will continue through at least February 28, 2018 unless changed with approval of the Board of Trustees.
- b) These expense reimbursement arrangements will continue through at least July 31, 2017 unless changed with approval of the Board of Trustees.
- c) These expense reimbursement arrangements will continue through at least September 30, 2017 unless changed with approval of the Board of Trustees.