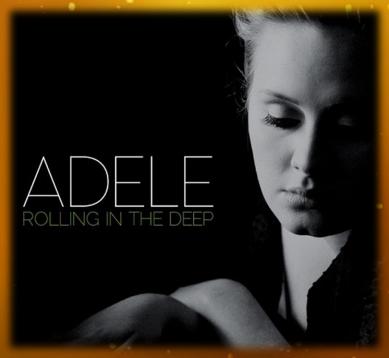


The All-New TDF Analyzer



2011 TIME CAPSULE - MUSIC

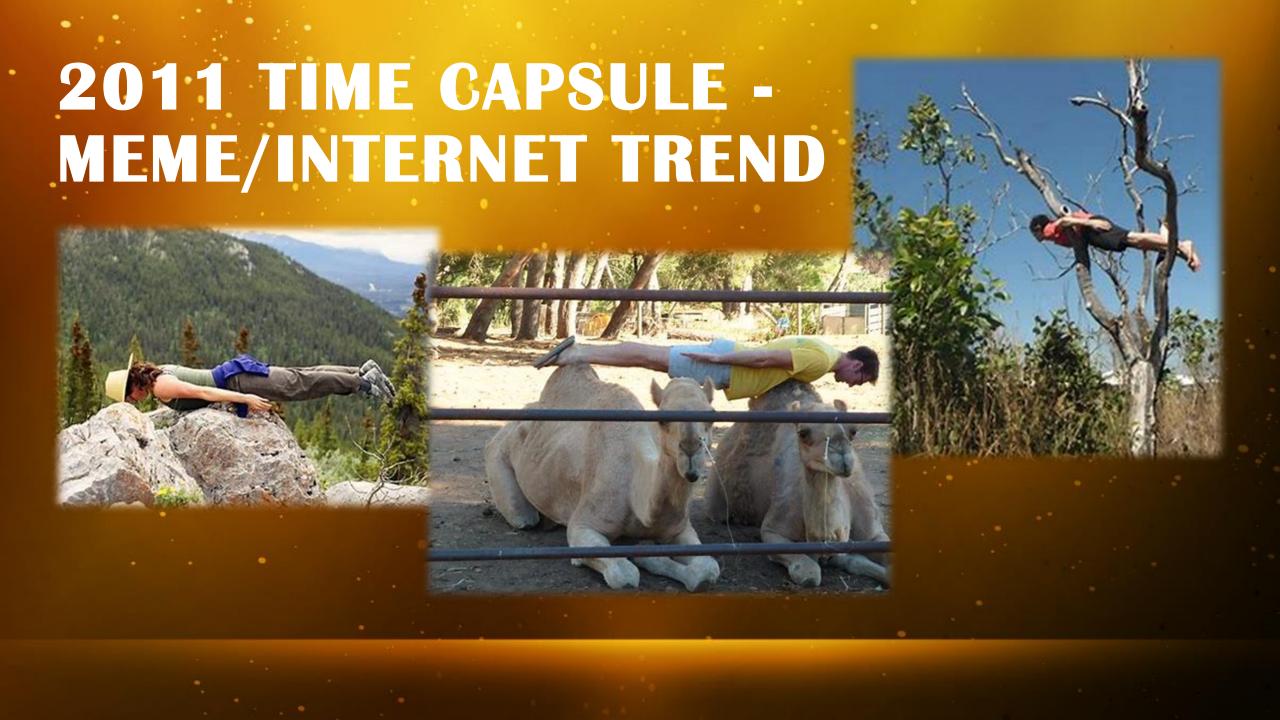


#1 Song: "Rolling in the Deep" by Adele



Honorable Mention: "Friday" by Rebecca Black





2011 TIME CAPSULE - NEWS



2011 TIME CAPSULE - COLLEGE DAYS OF MATT & KELLEN









TDF FIT ANALYSIS 1.0 - 2011







WHAT WILL BE THE PRIMARY CRITERION FOR SELECTING TDFS?

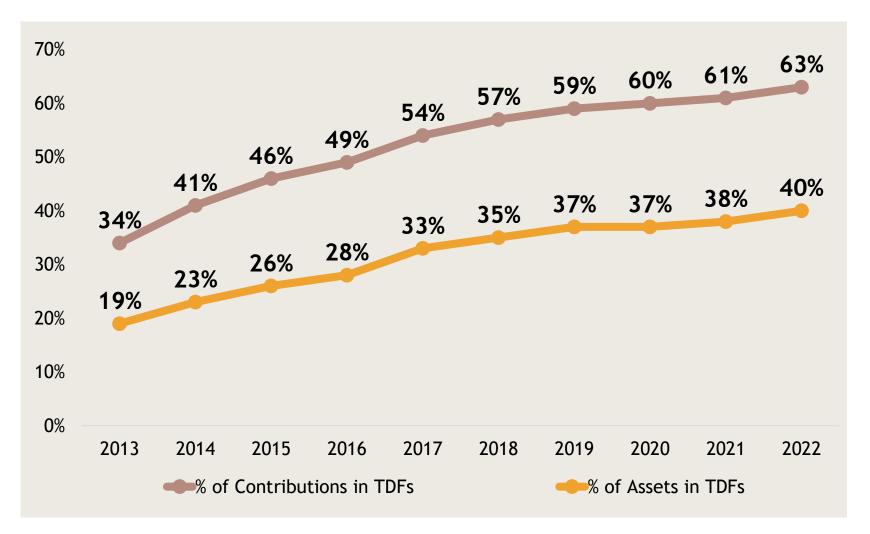
PERFORMANCE/FEES vs. SUITABILITY								
City	Winner	Vote (%)						
San Diego	Suitability	80%						
Philadelphia	Suitability	90%						
Atlanta	Suitability	100%	########					
Chicago	Suitability	100%	**************************************					



TDFS ARE MORE POPULAR THAN EVER

TDF Prevalence:

- Necessitates increased due diligence by fiduciaries
- Creates proven opportunity to win new business
- Play better defense to retain business



TDF SUITABILITY IMPROVES RESULTS

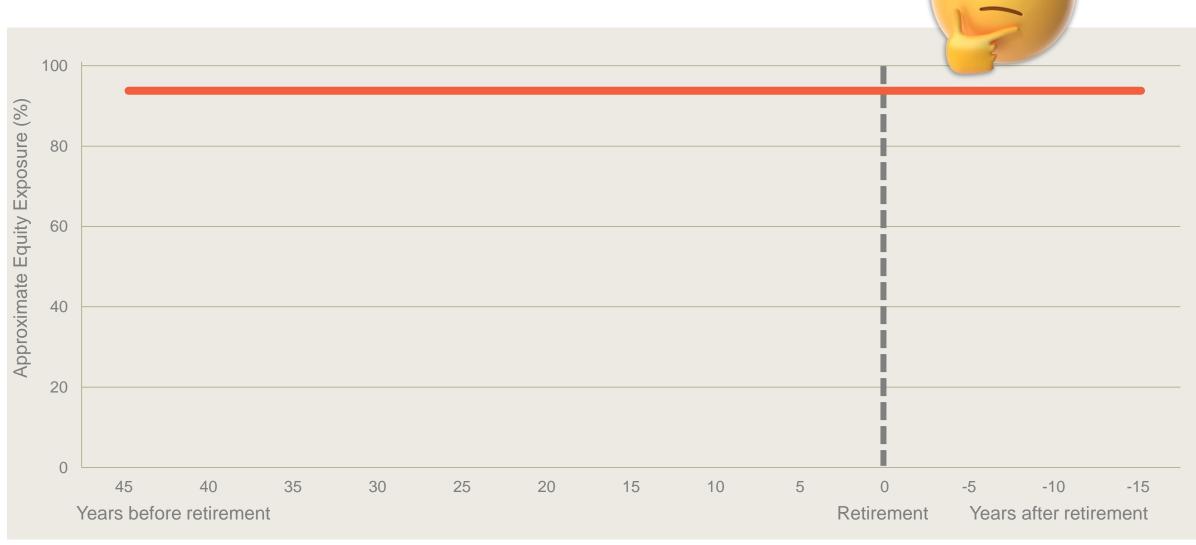
IMPACT OF A MORE ACCURATE & PERSONALIZED ALLOCATION:

12.5 - 30+ bps
Morningstar Study

25 - 82 bps
Empower Study

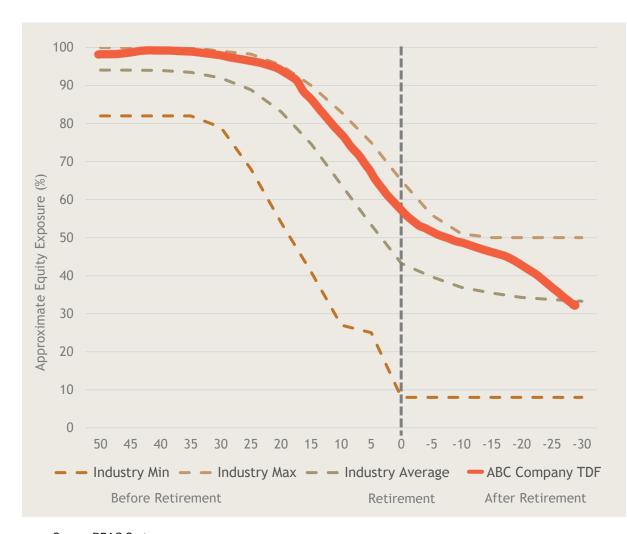


A RETURN MAXIMIZING GLIDEPATH



A RETURN MAXIMIZING GLIDEPATH

That means this isn't necessarily "the best"



Asset Allocation	3 Year	5 Year	10 Year		
ABC Company 2010	1.99	5.06	4.91		
StyleBenchmark	1.67	4.76	4.41		
Category Rank	1	7	1		
ABC Company 2015	2.02	5.43	5.24		
StyleBenchmark	1.81	5.13	4.74		
Category Rank	1	6	3		
ABC Company 2020	2.19	5.81	5.66		
StyleBenchmark	1.97	5.51	5.05		
Category Rank	1	11	4		
ABC Company 2025	2.24	6.60	6.33		
StyleBenchmark	2.47	6.35	5.69		
Category Rank	4	4	5		
ABC Company 2030	2.86	7.64	7.27		
StyleBenchmark	3.20	7.53	6.59		
Category Rank	6	5	1		
ABC Company 2035	3.52	9.07	8.30		
StyleBenchmark	3.98	8.81	7.57		
Category Rank	8	1	1		
ABC Company 2040	4.24	10.03	8.88		
StyleBenchmark	4.21	9.43	8.12		
Category Rank	7	5	1		
ABC Company 2045	4.33	10.24	9.06		
StyleBenchmark	4.33	9.64	8.29		
Category Rank	14	8	1		

Source: RPAG System.

COMPLIANCE – DEFENSE

Target Date Retirement Funds -Tips for ERISA Plan Fiduciaries



U.S. Department of Labor Employee Benefits Security Administration

- Align TDF and participant characteristics
- Understand underlying investments
- Review fees and investment expenses
- Consider custom or non-proprietary options
- Develop effective employee communications
- Document the process

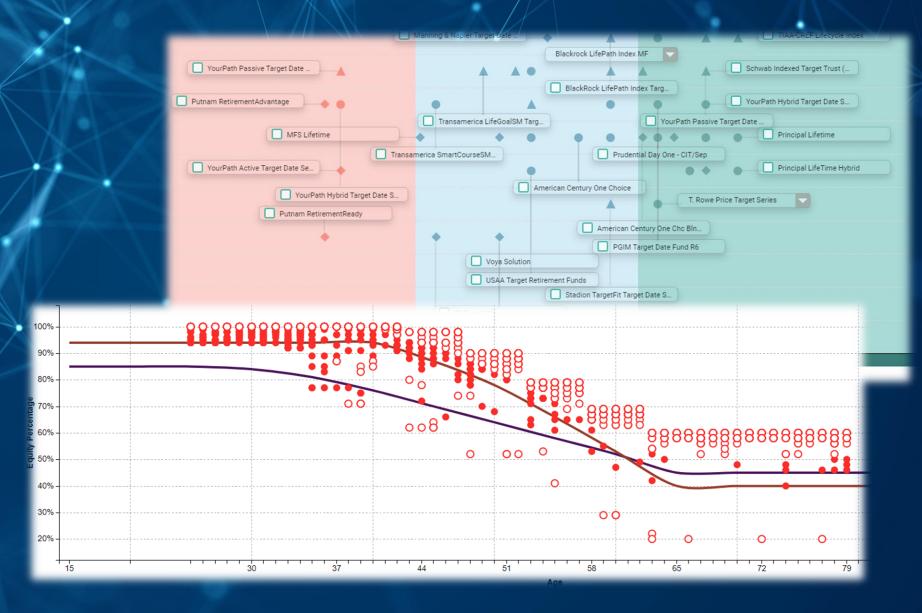
COMPLIANCE - OFFENSE

RPAG Scorecard and TDF Fit Analysis Cases

- "...an important criterion in selecting a TDF for a defined contribution plan is attempting to match a TDF to the participants' risk profiles" (Wood)
- "The Wood Plan's RFP...determined that a moderate asset allocation strategy was appropriate" (Wood)



USER INTERFACE ENHANCEMENTS



- Fun and easy to use
- New modern design
- Standard report builder
- Charts adjust in real time

REPORT OUTPUT ENHANCEMENTS



- New modern design
- More granular data
- Key summary slides
- New Meeting Minutes

LOGIC ENHANCEMENTS

GOAL: Leverage data to create more nuanced results while maintaining ease-of-use

- More science, less art
- Target risk index range vs. target risk level
- Emphasize funded status (need to take risk) as primary risk indicator
- Clear distinction between plan sponsor actions (plan design) and participant actions (demographics and behavior)



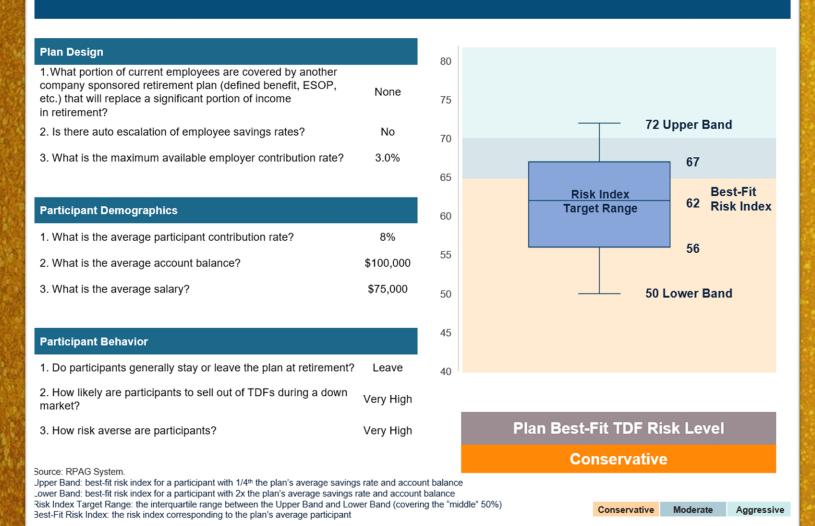
FIT ANALYSIS - CURRENT

Plan Design						
Plan objectives impact participant savings and ability to take risk. It is important that the plan's glidepath aligns with the plan's	Is this retirement plan a supplement to another retirement savings plan?	○ Yes ● No				
structure, including whether or not supplemental savings plans exist and the	Do participants generally stay in the plan through retirement?					
level to which these other plans provide income in retirement.	Does the company's other retirement savings plan, if one exists, offer significant income in retirement?					
	Glidepath Risk Consi	ideration Moderate				
Participant Demographics						
Plan demographics drive glidepath strategy based on the funded status of the participants, primarily driven by contribution rates and account balances. These factors, in addition to the sophistication of the participants, dictate their need to take risk.	Do plan participants have above average investment knowledge?	◯ Yes ● No				
	Does the plan have high contribution rates?					
	Does the plan have high account balances at retirement?	◯ Yes ● No				
Glidepath Risk Con						
Participant Behavior						
Participant behavior influences glidepath strategy to the extent that participants are	Does the plan have high participant engagement?	Yes				
engaged with their retirement plan. Their expectations regarding the timing of distributions and overall willingness to take risk are also key factors.	Do participants expect to stay in the plan through retirement?	Yes No				
	Are participants risk-averse?	◯ Yes ● No				
	Glidepath Risk Consi	ideration Moderate				

FIT ANALYSIS - NEW & IMPROVED



TDF Fit Analysis

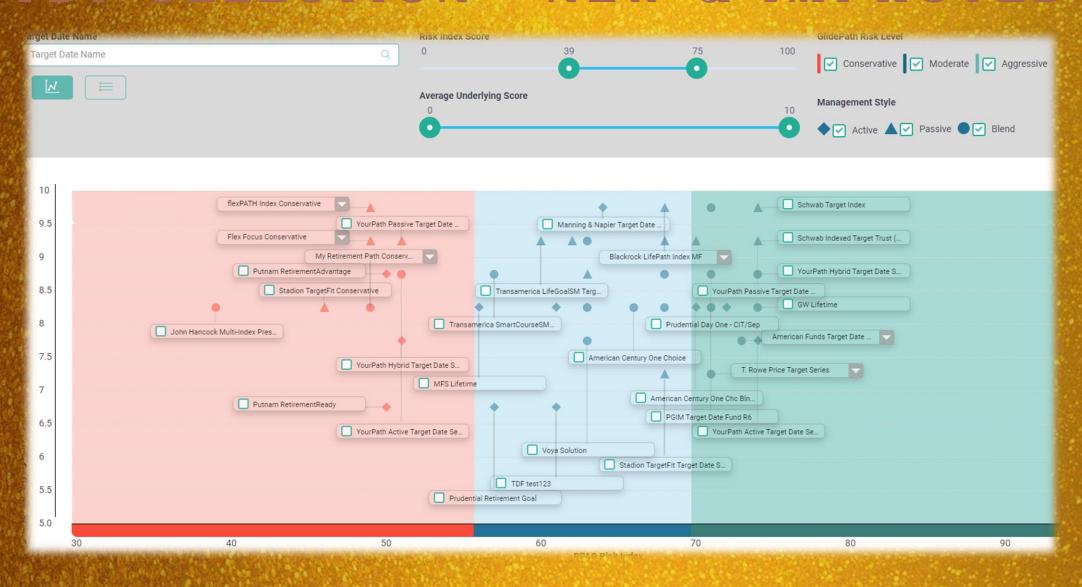


TDF SELECTION - CURRENT

Product Name	Risk Category ↓±	Risk Index Score
Voya Target Retirement	Moderate	63
JPMorgan SmartRetirement Blend	Moderate	68
Transamerica SmartCourse with JPMorgan	Moderate	57
Voya Index Solution	Moderate	63
PIMCO RealPath Blend	Moderate	68
flexPATH Index+ Moderate	Moderate	68
JPMorgan SmartRetirement	Moderate	68
My Retirement Path Moderate Target Date Series Class R	Moderate	68
Nationwide Target Destination	Moderate	66
Voya Target Solution Trusts (CIT)	Moderate	63
American Century One Choice	Moderate	66
Blackrock LifePath Dynamic	Moderate	68
Transamerica RetireOnTrack with American Funds	Moderate	61



TDF SELECTION - NEW & IMPROVED

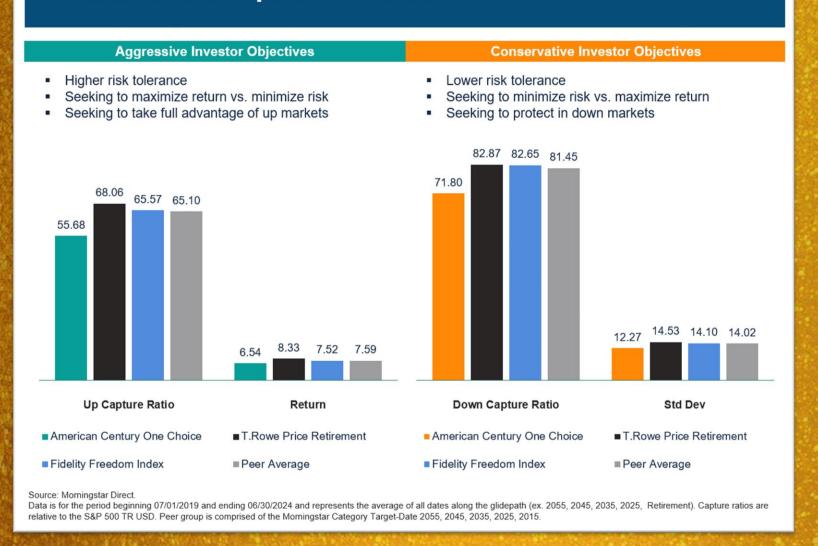


PERFORMANCE COMPARISON - CURRENT

Asset Allocation	Ticker/ QTR Y1		YTD	YTD Annualized Returns			Since	Share Class	Strategy	Strategy Expense Ratio										
	I D			1 Year	3 Year	5 Year	10 Year	Incept.	Inception	Inception	Gross	Net								
American Century One Choice In Ret R6	_ARDTX_	0.49	3.93	8.91	1.45	5.15	4.88	5.35	7/31/2013	8/31/2004	0.5	0.4_								
StyleBenchmark		1.52	5.51	11.16	2.54	6.09	5.59													
American Century One Choice 2025 R6	ARWDX	0.51	4.05	9.02	1.34	5.38	5.25	5.85	7/31/2013	8/31/2004	0.5	0.42								
StyleBenchmark		1.59	5.98	11.86	2.8	6.55	5.91													
American Century One Choice 2035 R6	ARLDX	0.49	4.82	10.06	1.38	6.3	6.07	6.73	7/31/2013	8/31/2004	0.55	0.48								
StyleBenchmark		1.77	7.03	13.5	3.27	7.64	6.8													
American Century One Choice 2045 R6	ARDOX	0.48	5.95	11.39	1.61	7.4	6.97	7.71	7/31/2013	8/31/2004	0.59	0.53								
StyleBenchmark		1.97	8.21	15.29	3.86	8.81	7.72													
American Century One Choice 2055 R6	AREUX	0.59	7.18	12.92	2.25	8.46	7.67	8.41	7/31/2013	3/31/2011	0.62	0.55								
StyleBenchmark		2.13	9.07	16.58	4.35	9.64	8.34													
American Century One Choice 2065 R6	ARHSX	0.57	7.6	13.38	2.51			9.11	9/23/2020	9/23/2020	0.65	0.57								
Aggressive Benchmark		2.37	10.16	18.06	4.87	10.02	8.09													
Asset Allocation	Ticker/	QTR	YTD	Annualized Returns		Annualized Returns		Annualized Returns		Annualized Returns		Since	Share Class	Strategy	Expe Ra	tio				
	I D			1 Year	3 Year	5 Year	10 Year	Incept.	Inception	Inception	Gross	Net								
Fidelity Freedom Index Inc Instl Prem	FFGZX	0.8	2.21	6.14	-0.08	2.58	2.97	3.11	6/24/2015	10/2/2009	0.08	0.08								
StyleBenchmark		0.87	2.37	6.58	0.27	2.8	3.14													
Fidelity Freedom Index 2025 Instl Prem	_FFEDX_	1.2_	4.97	10.16	0.91	5.72	5.77	5.95	6/24/2015	10/2/2009	0.08	0.08								
StyleBenchmark		1.48	6.02	12.21	2.11	6.69	6.22													
Fidelity Freedom Index 2035 Instl Prem	FFEZX	1.58	6.92	13.25	2.4	7.99	7.52	7.79	6/24/2015	10/2/2009	0.08	0.08								
StyleBenchmark		2.00	8.58	15.87	3.91	9.13	7.88													
Fidelity Freedom Index 2045 Instl Prem	FFOLX	2.03	9.08	16.22	3.76	9.42	8.24	8.6	6/24/2015	10/2/2009	0.08	0.08								
StyleBenchmark		2.19	9.49	17.17	4.56	9.98	8.47													
Fidelity Freedom Index 2055 Instl Prem	FFLDX	2.01	9.07	16.17	3.77	9.43	8.23	8.59	6/24/2015	6/1/2011	0.08	0.08								
StyleBenchmark		2.18	9.47	17.14	4.54	9.95	8.45													
Fidelity Freedom Index 2065 Instl Prm	FFIKX	1.96	9.06	16.17	3.75	9.42		9.41	6/28/2019	6/28/2019	0.09	0.09								
StyleBenchmark		2.12	9.29	16.88	4.34	9.74														
	Ticker/			Annualized Returns			Since	Share Class	Strategy	Expe										
Asset Allocation	ID	QTR	YTD	1 Year	3 Year	5 Year 10 Year		5 Year 10 Year		ear 5 Year 10 Year						Incept.	Inception	Inception	Ratio Gross Net	
T. Rowe Price Retirement 2020 I	TRDBX	1.08	5.62	11.47	1.66	6.29	6.04	13.23	11/13/2023	9/30/2002	0.37	0.37								
StyleBenchmark		1.64	6.45	12.55	3.00	6.97	6.07			0/00/2002	0.01	0.01								
T. Rowe Price Retirement 2025 I	TREHX	1.15	6.17	12.3	1.85	6.99	6.62	14.32	11/13/2023	2/27/2004	0.38	0.38								
StyleBenchmark	11121171	1.78	7.2	13.68	3.41	7.72	6.64		11/10/2020	2/21/2001	0.00	0.00								
T. Rowe Price Retirement 2035 I	TRFJX	1.21	8.15	15.31	2.74	8.63	7.8	17.67	11/13/2023	2/27/2004	0.42	0.42								
StyleBenchmark	1111 071	2.01	8.6	15.86	3.99	9.11	7.79		11/10/2020	2/21/2001	0.12	01.12								
T. Rowe Price Retirement 2045 I	TRIKX	1.44	9.89	17.68	3.6	9.92	8.6	20.15	11/13/2023	5/31/2005	0.44	0.44								
StyleBenchmark		2.21	9.64	17.39	4.64	10.11	8.53	20.10	, . 3, 2020	5,5.,2000	J. 1 7	3.11								
T. Rowe Price Retirement 2055 I	TRJMX	1.46	10.16	18.08	3.72	9.99	8.63	20.54	11/13/2023	12/29/2006	0.46	0.46								
StyleBenchmark	TIXOIVIX	2.22	9.7	17.48	4.69	10.16	8.57	20.07	11/10/2020	12/23/2000	0.40	3.40								
T. Rowe Price Retirement 2065 I	TRMOX	1.45	10.11	18.06	3.81	10.10	0.01	20.47	11/13/2023	10/13/2020	0.46	0.46								
Aggressive Benchmark	I INWOX	2.37	10.11	18.06	4.87	10.02	8.09	20.41	11/10/2023	10/13/2020	0.40	0.40								
Aggressive Delicillian		2.31	10.10	10.00	4.07	10.02	0.09													

PERFORMANCE COMPARISON - NEW & IMPROVED

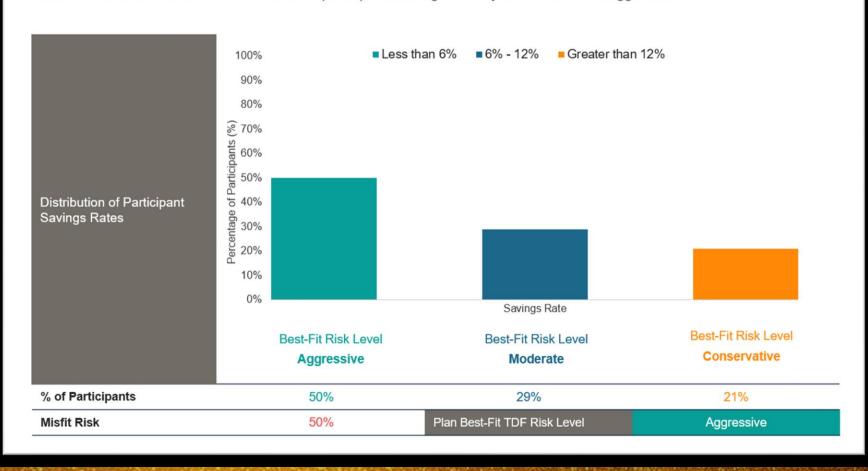
Risk/Return Snapshot – 5 Year



MISFIT RISK - CURRENT

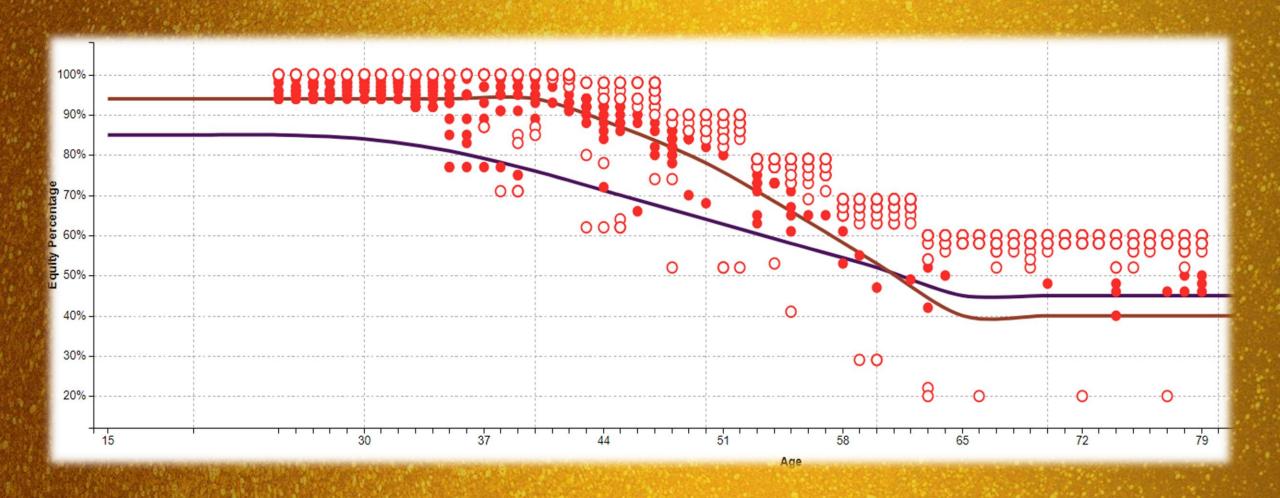
TDF Misfit Risk Analysis

Misfit risk occurs when a participant's actual savings rate differs from the TDF's assumed savings rate. Participants saving more for retirement can afford to de-risk while participants saving less may need to be more aggressive.





ENHANCED MISFIT RISK - BUBBLE CHART



MISFIT RISK POSITIONING



Fit Analysis uses averages but ignores *individuals*

Most plans have diverse participant characteristics

 Objective way to measure valueadd of a personalized QDIA

WHY TDF SUITABILITY?

- TDF popularity necessitates increased due diligence
- It makes a real difference in participant outcomes
- Win and retain more business

ALL-NEW TDF ANALYZER

- Easier (and more fun!) than ever to use and communicate results
- Impressive and eye-catching analysis
- Improved fit logic

CONCLUSION

