

### **Proven Partnering Practices for Best-in-Class Retirement Programs**



Andre Mueller, CPA

Senior Manager, Global Accounting Operations PATH (path.org) Mary Ellen Mullen, CFA Principal Bridgebay Consulting, LLC

### **Session Topic**

The challenge of managing costs, reducing risk and ensuring compliance, within a complex regulatory and legislative environment while still achieving high participant satisfaction is a great one.

This case study explores the dynamics of treasury, finance, and human resources partnering techniques utilized by PATH, an international nonprofit organization and leader in global health innovation. Attendees of this session walk away with best practices that generate a 98% participation rate and high asset retention while building a framework for measuring the success of the 401(k) plan and strategies to effectively communicate with participants.





#### Plan Sponsor Perspective

Andre Mueller, CPA Senior Manager Global Accounting Operations

#### 

# Accelerating health equity

An introduction to PATH's work







#### PATH accelerates global health through innovation

We harness our entrepreneurial insight, scientific and public health expertise, and passion for health equity...

...to save the lives of women and children.

# PATH Do::AO+//200



### With a focus on:

- Cancer
- Diabetes
- Diarrheal disease
- Early childhood development
- Epidemic preparedness
- Heart disease
- HIV/AIDS
- Human papillomavirus
- Influenza
- Japanese encephalitis

- Malaria
- Maternal and newborn care
- Neglected tropical diseases
- Nutrition
- Sexual and reproductive health
- Tuberculosis
- Water, sanitation, and hygiene

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Specializing in designing, developing, and scaling solutions in five core areas:

Vaccines Diagnostics Drugs **Devices** Health systems

......

......



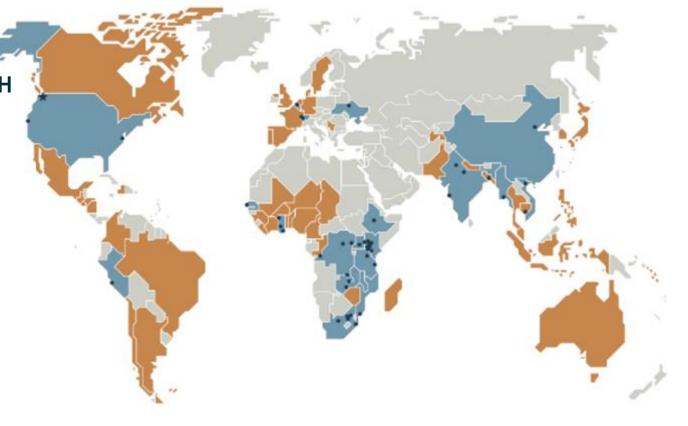


## **About PATH**

**150 Average number of** people reached by PATH and our partners per year since 2011



2,000+ PATH partners around the world– including 60+ corporate partners







**About PATH** 

108

81

System and service innovation projects in our portfolio

Products and technologies in our pipeline

PATH employees

1,600

\$349 MILLION

PATH's 2017 revenue

Our vision: A world where innovation ensures that health is within reach for everyone.





# **PATH in action**



### Priming a local manufacturer to fill a critical market gap

PATH helped Serum Institute of India build the technical capacity to produce high-quality, low-cost vaccines for India and beyond. As the company has grown, so has its economic impact.



### Preparing a nation to take on Ebola

The Democratic Republic of the Congo embedded a PATH technical advisor in its health ministry to build data-use capacity, a partnership that prepared decision-makers to launch an unprecedented response to a recent Ebola outbreak.



### Rolling out public health initiatives on a global scale

In concert with the World Health Organization, UNICEF, and dozens of countries, PATH is helping governments build capacity to scale up policies and services that will make interventions to improve early childhood development universal.



#### 

### Vaccines

**15-year collaboration between PATH** and GlaxoSmithKline led to the first malaria vaccine candidate recommended by the World Health **Organization for a pilot** implementation program in Africa. If licensed for use, it would be the first vaccine against a human parasite.



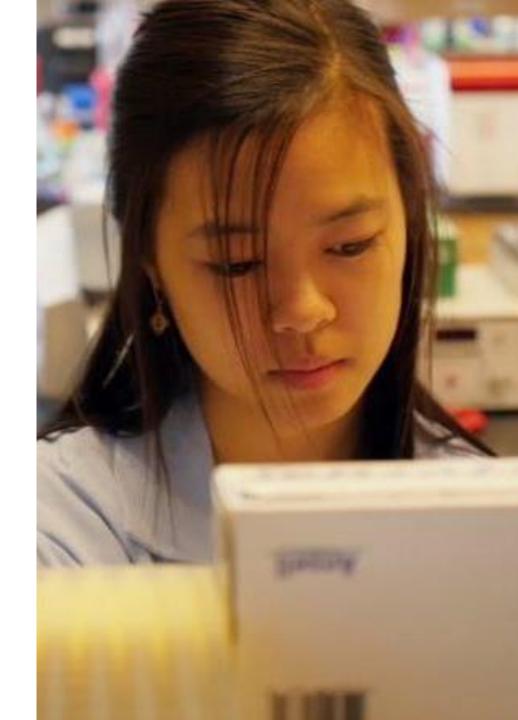
### Drugs

Sanofi shipped nearly 51 million antimalarial treatments to Africa with a semisynthetic form of artemisinin developed by PATH and cross-sector partners.



## Diagnostics

**PATH and the Siemens Foundation** Fellowship are nurturing the next generation of global health innovators. The Siemens **Foundation-PATH Fellowship places** undergraduate and graduate STEM students in PATH's Diagnostics Lab and pairs them with mentors at Siemens and PATH.



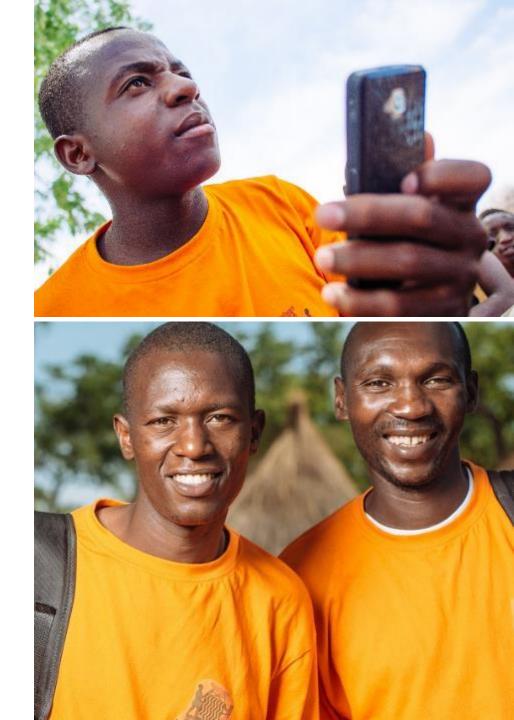
### **Devices**

The MSR® SE200<sup>™</sup> Community Chlorine Maker was co-designed by PATH and outdoor gear manufacturer MSR to bring lowcost community water solutions to the global market.



# System & Service Innovations

**PATH and the Tableau Foundation** are working alongside the government of Zambia to help the country eliminate malaria through a collaboration that combines Tableau's cutting-edge digital tools, training, and financial support with PATH's on-the-ground expertise and experience with cross-sector partnerships.



# **PATH 401(k) Metrics**

1981 **PLAN INCEPTION** 

Single Defined Contribution Plan. Money Purchase Pension Plan transferred into 401(k).

# 2005

Target Date Funds adopted as Default.

**BEST IN CLASS** 

401(k)

Assets in plan 9/30/18. Single central payroll, well diversified.

\$191

**MILLION** 

1,104

Plan participants 9/30/18, active + termed. US employees in Seattle (HQ), San Francisco and Washington DC.

Pensions&Investments





# PATH 401(k) Metrics

98% Participation

As of 9/30/18

### 6% Auto Enroll

Employees achieve maximum employer match.



Average Participant Balance as of 9/30/18. 12% Employer

4% match + 8% discretionary

Pensions&Investments







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### **Finance**

**Compliance & Administration** 

- 401(k) Plan Ex-Officio
- Payroll
- Contributions
- Plan Reconciliation
- Financial Modeling
- Plan Audit/Tax Filing
- Admin Budget Review
- Quarterly Meeting with Investment Consultant







### HR

#### **Participant Experience**

#### Consistent Messaging

- Coordinates On-Site Trainings
- Onboards New Hires

#### Provides Pulse Checks for Areas of Improvement

- Attraction/Retention
- Future Workforce Vision Testing
- Employee Feedback
- Quarterly Meeting with Investment Consultant
  - Reviews Periodic Plan Communications
  - Communications Calendar Current & Future





Treasury

**Investment Management** 

### Investment Lead

- Fund Performance
- Economic Outlook/Legislative & Regulatory
- Investment Policy Statement
- Manage by Exception
  - Dashboard
  - Key Plan Metrics/Risk Assessment
- Quarterly Meeting with Investment Consultant





### **Investment Consultant**

**Investment & Retirement Plan Expert** 

- Engages & Supports Finance, HR & Treasury
- Mitigates Plan Sponsor Risk
- ERISA Prudent Expert Investments
- Monitors Reasonableness of Fees
- Provides Industry Perspective for Areas of Improvement
- **Proposes Plan Design Features**
- Prepares Meeting Materials & Minutes





# PATH 401(k) Governance

### Professional Services Enhance Good Governance

- Independent Consultant
- Auditor
- ERISA Attorney, independent of Recordkeeper

### Strategic Planning

- Quarterly Committee Meetings
- Pre-Meetings & Agenda
- Work Plan





### Investment Consultant Perspective

Mary Ellen Mullen, CFA Principal Bridgebay Consulting LLC

#### **Registered Investment Advisor**

#### **Advise Institutional Clients Only**

#### **Experienced, Practitioner Consultant**



#### **Sole Focus is Investment & Retirement**



### **Partnering Examples**

#### **Best Practices**

#### Accomplishments

- Investment Process/Managing Costs
  - Investment Policy Statement
  - QDIA: Target Date Funds & DOL
  - Fund Menu
  - Broker Window Elimination
- Limiting Leakage
  - No Loans
  - Hardship Withdrawals
  - Age 59 <sup>1</sup>/<sub>2</sub> In-Service Withdrawals
- Adding Employer Match True-Up

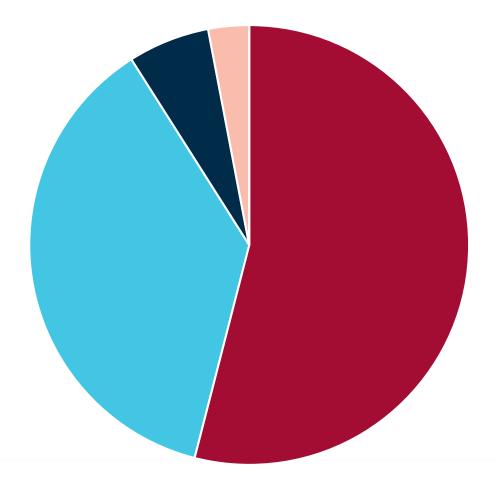
#### **Work Plan**

- Plan Features
  - Add After-Tax Employee Contributions?
  - Add Financial Wellness Why? Why Not?
  - Managed Accounts?
- Plan Design
  - Annual 1% Auto Boost?
  - Keep QACA Safe Harbor?

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### **Appropriate Asset Allocation**

**Investment Dashboard – Quarterly Meeting** 



As of 9/30/18

Target Date = 54%

**Equity = 37%** 

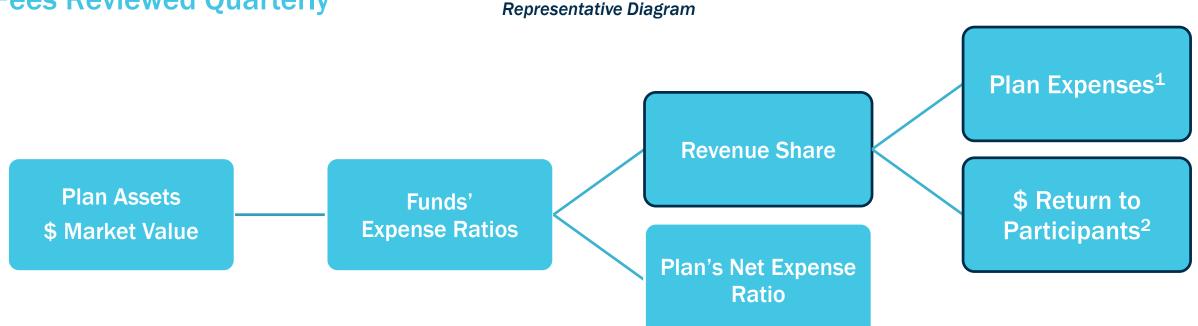
- Fixed Income = 6%
- Stable Value = 3%
- Other = 0% (Forfeitures, ERISA Budget)





### Managing Costs

ERISA Budget Account Fees Reviewed Quarterly



<sup>1</sup>ERISA eligible expenses includes recordkeeping, audit, ERISA counsel, fiduciary education & investment advisor <sup>2</sup>Fund Level Pro Rata Method – Equitable Allocation of Plan Expenses by rate **PATH PATH** 

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### **Manage By Exception**

#### **Investment Dashboard - Quarterly Meeting**

Excess Returns Cate			gory Avera	age				Market Index					
	Date	Morningstar		Long Term				(No Fees)	Long Term				
#	Fund Name (Alphabetical)	Calculation Benchmark	Ticker	3 Yr	5 Yr	7 Yr	10 Yr	Calculation Benchmark	3 Yr	5 Yr	7 Yr	10 Yr	
1	A Socially Responsible Bond	Intermediate-Term Bond	ACBDI	1.11	0.86	0.87	0.22	BBgBarc US Agg Bond	1.08	0.80	0.92	0.23	
2	B Socially Responsible Equity	Large Blend	BCISI	0.83	2.01	2.38	2.20	Socially Responsible Equity Index	-0.26	-0.33	-0.33	-0.55	
3	C Value Equity	Large Value	CDDVI	1.50	1.67	2.36	2.65	Russell 1000 Value	1.33	1.04	1.21	1.92	
4	D Growth Equity	Large Growth	DTRBC	4.96	4.47	4.30	3.41	Russell 1000 Growth	2.19	2.40	2.06	1.19	
5	E Active Equity	Large Blend	EPRDG	1.44	1.04	1.34	1.37	Russell 1000	-0.66	1.06	0.79	0.44	
6	F Global Technology	Technology	FPRGT	4.40	7.49	5.95	6.25	MSCI ACWI/Information Technology	3.25	7.15	5.04	7.20	
7	G Government Money Market Mutual*	Money Market - Taxable	GPRRX	-0.01	-0.01	-0.01	0.03	ICE BofAML US 3M Trsy Bill	-0.31	-0.19	-0.16	-0.11	
8	H International Discovery	Foreign Small/Mid Growth	HPRID	3.25	3.32	2.56	2.37	S&P Global Ex US Small	3.93	3.36	3.98	2.85	
9	I Mid-Cap Growth	Mid-Cap Growth	IRPMG	1.81	2.82	2.84	3.22	Russell Mid Cap Growth	0.51	1.51	1.23	1.58	
10	J Mid-Cap Value	Mid-Cap Value	JTRMC	2.62	2.10	1.48	1.78	Russell Mid Cap Value	1.54	0.91	0.00	0.74	
11	K Overseas Stock	Foreign Large Blend	KTROS	0.98	1.23	1.25	1.57	MSCI EAFE	0.48	0.68	0.55	1.04	
12	L Retirement 2005	Target-Date 2000-2010	LTRRF	0.55	0.68	0.80	1.02	S&P Target Date 2010	0.19	0.23	0.21	0.55	
13	M Retirement 2010	Target-Date 2000-2010	MTRRA	0.97	1.26	1.33	1.31	S&P Target Date 2010	0.60	0.81	0.74	0.84	
14	N Retirement 2015	Target-Date 2015	NTRRG	1.14	1.67	1.77	1.93	S&P Target Date 2015	0.56	0.90	0.84	0.84	
15	O Retirement 2020	Target-Date 2020	OTTRRB	1.74	2.19	2.13	2.05	S&P Target Date 2020	0.73	1.13	1.04	0.92	
16	P Retirement 2025	Target-Date 2025	PUTRRH	1.55	1.99	1.97	2.00	S&P Target Date 2025	0.68	1.29	1.15	0.95	
17	Q Retirement 2030	Target-Date 2030	QTRRC	1.52	2.11	2.12	2.20	S&P Target Date 2030	0.65	1.35	1.22	1.03	
18	R Retirement 2035	Target-Date 2035	RTRRJ	1.27	1.82	1.78	1.82	S&P Target Date 2035	0.46	1.27	1.13	1.02	
19	S Retirement 2040	Target-Date 2040	STRRD	1.30	1.94	2.01	2.13	S&P Target Date 2040	0.37	1.22	1.10	1.06	
20	T Retirement 2045	Target-Date 2045	TTRRK	1.13	1.61	1.62	1.77	S&P Target Date 2045	0.30	1.05	0.95	1.04	
21	U Retirement 2050	Target-Date 2050	UTRRM	1.10	1.64	1.75	1.88	S&P Target Date 2050	0.07	0.74	0.69	0.87	
22	V Retirement 2055	Target-Date 2055	VTRRN	0.88	1.30	1.31	1.60	S&P Target Date 2055	-0.07	0.57	0.50	0.72	
23	W Retirement 2060	Target-Date 2060+	WTRRL	0.76				S&P Target Date 2060	-0.17				
24	X Small-Cap Stock	Small Growth	XOTCF	1.00	0.09	1.38	2.92	Russell 2000 Growth	1.13	-0.83	0.11	1.75	
25	Y Multisector Bond	Multisector Bond	YRPSI	0.59	0.40	0.27	0.39	BBgBarc US Agg Bond	1.92	1.43	1.46	1.45	
26	Z Stable Value CIT	SA Stable Value	F00000Z2M4	0.23	0.38	0.43	0.60	FTSE Treasury Bill 3 Month	1.08	1.37	1.63	2.19	
27	AA Emerging Markets Equity Index*	Diversified Emerging Mkts	AATEQL	0.88	0.92	0.15		MSCI EM	-0.07	-0.04	-0.29		
28	AB Developed International Eq IdxI*	Foreign Large Blend	ABTCIE	0.53	0.63	0.80	0.71	MSCI EAFE	0.04	0.08	0.10	0.17	
29	AC S&P 500 Index*	Large Blend	ACVINI	2.35	2.11	2.22	1.78	S&P 500	-0.03	-0.03	-0.03	0.00	
30         AD Short-Term Treasury Bond         Short Government         ADVFIR         0.25         0.24         0.13         BBgBarc 1-5 Yr Treasury         0.01         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12         -0.12								-0.17	-0.32				
* Index and Government Money Market Fund underperformance vs. their Market Indexes is explained by fees. Market Indexes do not contain embedded fees.													

Key Beat/Meet Benchmark Below Benchmark

- Funds (Alphabetical)
- Benchmarks
  - Category Average
  - Market Index
- Long Term Time Horizon

Key

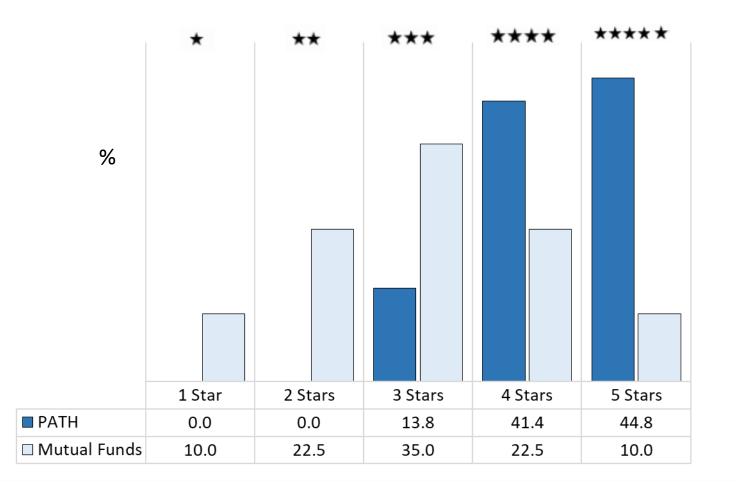
- Meet/Beat Benchmark
- Below Benchmark





### **Fund Category Ratings**

**Investment Dashboard - Overall Ratings** 







### **Keep IPS Current**

Investment Policy Statement At Least Annual

#	Parameter	Description
1	Performance	vs. Market Index Benchmark.
2	Performance	vs. a Peer Universe Benchmark (e.g. Morningstar, Lipper, fi360).
3	Style Drift	Inconsistency of investment management process.
4	Manager Changes	New portfolio manager(s) whether individuals, team and/or firm.
5	Manager Changes	Material change in Management. Organizational stability.
6	Regulatory Changes	Anticipated or actual SEC/Other Penalties, Sanctions, Investigations.
7	Plan Characteristics	Unique to PATH.
8	<b>Fund Operations &amp; Economics</b>	Facts that impact the potential long term success of the fund (e.g. asset size, fees).
9	Other	Reasons not detailed above.





### **QDIA: Target Date Funds & DOL**

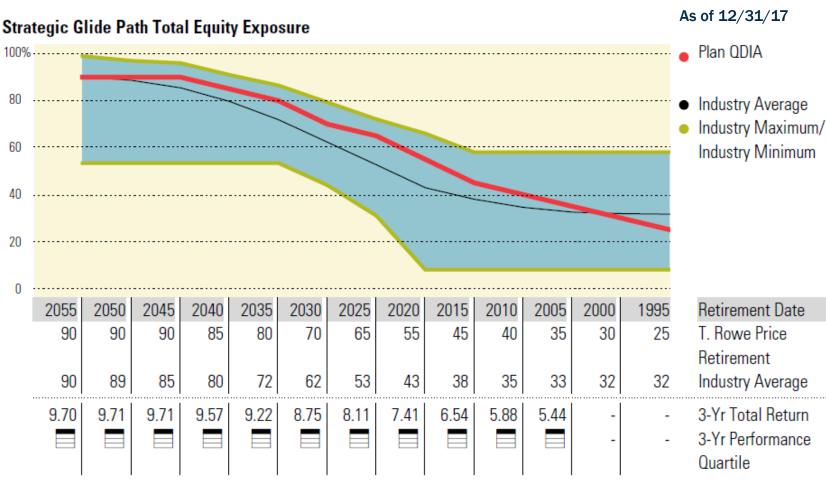
- Annual Target Date Review & Affirmation (Deep Dive)
- Ensure QDIA is appropriate as prescribed by Department of Labor.



Win/Win: Retirement Readiness

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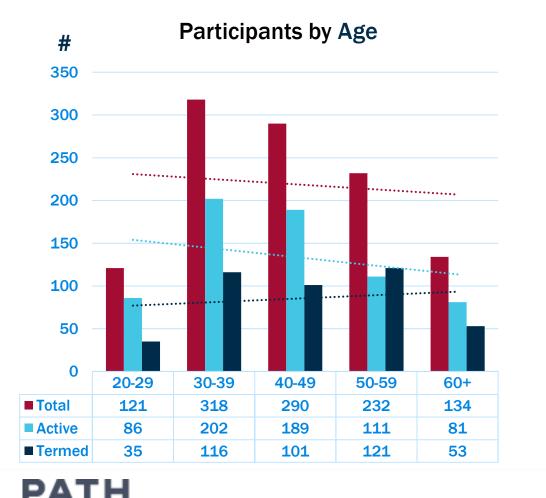


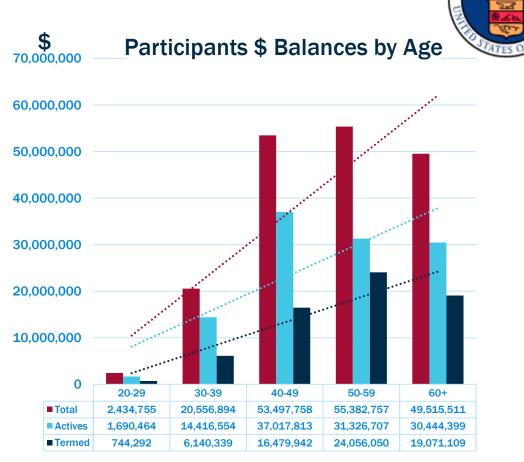
Source: Morningstar



### PATH 401(k) Plan Demographics

#### **Ensure Appropriate Target Date QDIA per DOL**

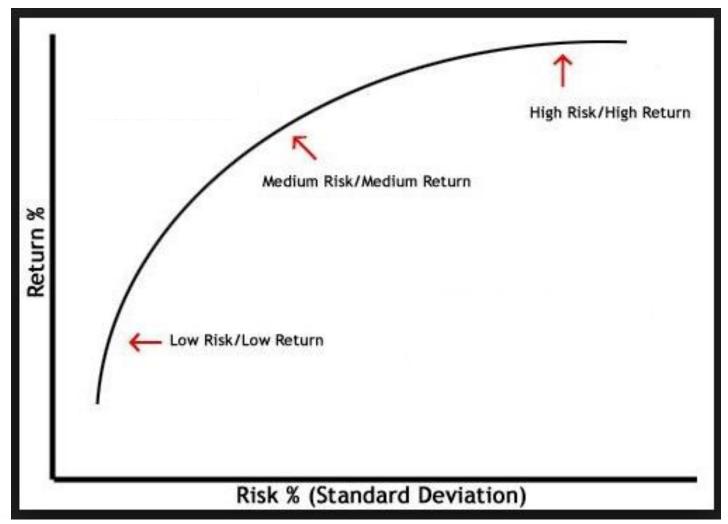




As of 3/31/18



### **Funds for "Build It" Participants**



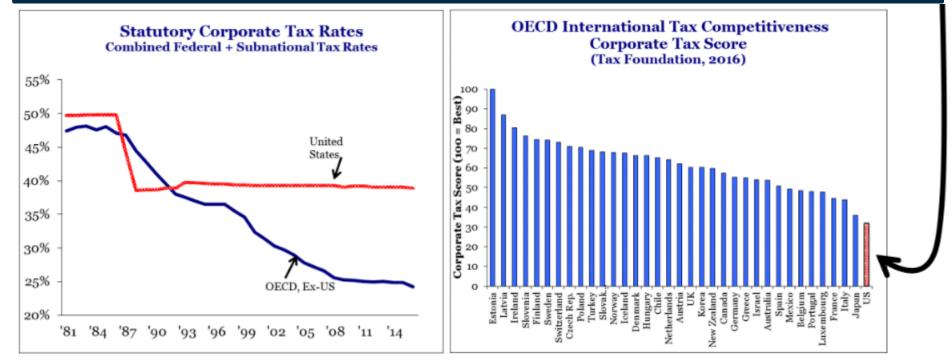




### Market Environment Appendix - Tie Recurring Sections to Timely Topics

#### **Tax Reform Top Trump Priority**

The US is the least competitive OECD country when it comes to tax treatment of corporations. As the other OECD countries have lowered their tax rates the US has held steady. Republicans want to accomplish corporate tax reform, not just a rate cut.



Headquartered in Paris, France, the <u>O</u>rganization for <u>E</u>conomic <u>C</u>o-operation and <u>D</u>evelopment (OECD) is an intergovernmental economic organization with 35 member countries, founded in 1960 to stimulate economic progress and world trade. It is a forum of countries describing themselves as committed to democracy and the market economy, providing a platform to compare policy experiences, seeking answers to common problems, identify good practices and coordinate domestic and international policies of its members. Most OECD members are high income economies with a very high Human Development Index (HDI) and are regarded as developed countries. Source: Strategas



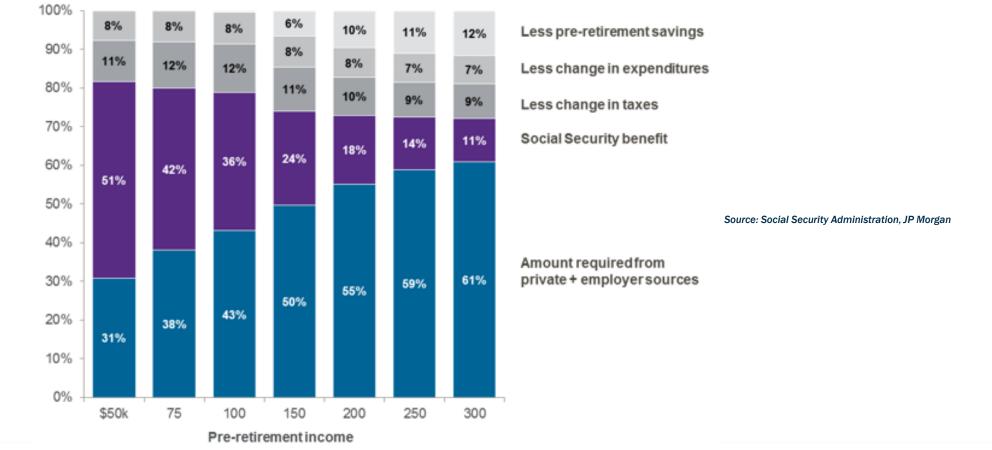


## Legislative & Regulatory

#### **Appendix - Tie Recurring Sections to Meeting Agenda**

#### PATH's Average Income ~ \$100,000

#### Higher Income Households Must Save More to Replace Current Income



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### **Limiting Leakage**



### No Loans

### Hardship Withdrawals (IRS Safe Harbor)

- **1. Medical** care expenses for the employee, the employee's spouse, dependents or beneficiary.
- 2. Costs directly related to the purchase of an employee's principal residence (excluding mortgage payments).
- **3. Tuition**, related educational fees and room and board expenses for the next 12 months of postsecondary education for the employee or the employee's spouse, children, dependents or beneficiary.
- 4. Payments necessary to prevent the eviction of the employee from the employee's principal residence or foreclosure on the mortgage on that residence.
- 5. Funeral expenses for the employee, the employee's spouse, children, dependents, or beneficiary.
- 6. Certain expenses to **repair** damage to the employee's principal residence.

### • Age 59 <sup>1</sup>/<sub>2</sub> In-Service Withdrawals





### **Close Broker Window**

**Eliminate High Costs & Fiduciary Risk** 

Situation: Recordkeeper Changing Broker Window Provider, Low Utilization							
Considerations	+						
Safety Valve for Off Menu Investing*	Yes						
404( c ) Compliant		Νο					
Institutional Pricing No							
In the Spirit of Fiduciary Rule No							

\*Participants Have Alternatives Outside the Plan (e.g. IRAs, non-retirement savings)





### **Employer Match True-Up**

#### **Listening to Participants**

	Participant < Age 50	Annual	Monthl	у				Part	icipant	> Age !	50		A	nnual	Mont	hly	
	Salary	120,000	10,00	00		8		Sala	ry				1	L20,00	0 10,	000	
Employee	IRS 402(g )(1)	18,000	1,500		-le-			IRS 402(g )(1)						18,00	0 1,	1,500	
Expectation	Employer 4% Match	nployer 4% Match 4,800		400		and the second second		Employer 4% Match						4,80	0	400	
Expostation	Catch Up Contribution	0		0		ALL INT		Catc	h Up Co	ontribut	tion			<u>6,00</u>	<u>0</u>	500	
	Total Retirement Contribution	22,800	1,90	00				Tota	Retire	ment C	ontribu	ition		28,80	02,	400	
Method	l		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	True Up	Total
< Age 5	0 Participant Not Making Ca	atch Up Cont	ribution			-	-			-						-	
	IRS 402(g)(1) Payroll Cont	tribution	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500			18,000
	Employer 4% Match on \$1	20,000/12	400	400	400	400	400	400	400	400	400	400	400	400			4,800
	Catch Up Contribution		0	0	0	0	0	0	0	0	0	0	0	0			0
	Total																22,800
<u>&gt;</u> Age 5	0 Participant Making Catch	Up Contribu	tion														
	IRS 402(g )(1) Payroll Cont	tribution	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	0			18,000
Spillove	r Employer 4% Match on \$1	20,000/12	400	400	400	400	400	400	400	400	400	0	0	0	3,600		3,600
Best Pract	ice Catch Up Contribution		0	0	0	0	0	0	0	0	0	2,000	2,000	2,000			6,000
	Total																27,600
<u>&gt;</u> Age 5	0 Participant Making Catch	Up Contribu	tion														
	IRS 402(g)(1) Payroll Cont	tribution	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	2,000	0	0	0			18,000
Spillove	r Employer 4% Match on \$1	20,000/12	400	400	400	400	400	400	400	400	400	0	0	0	3,600	1,200	4,800
Best Pract	ice Catch Up Contribution	-	0	0	0	0	0	0	0	0	0	2,000	2,000	2,000			6,000
	Total																28,800
PATI	-															D J	<b>N10</b>
	-																

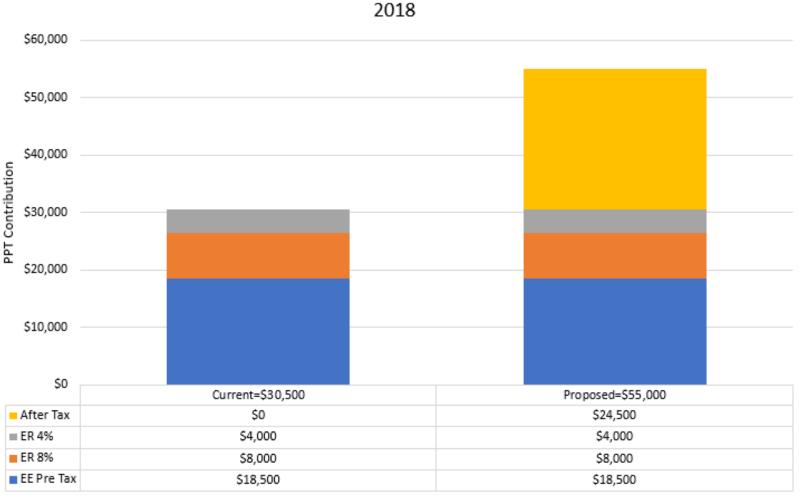
# Adding After Tax Employee Contributions



- Current: \$30,500/\$36,500
- Proposed: \$55,000/\$61,000
- Roth 401(k) to Roth IRA

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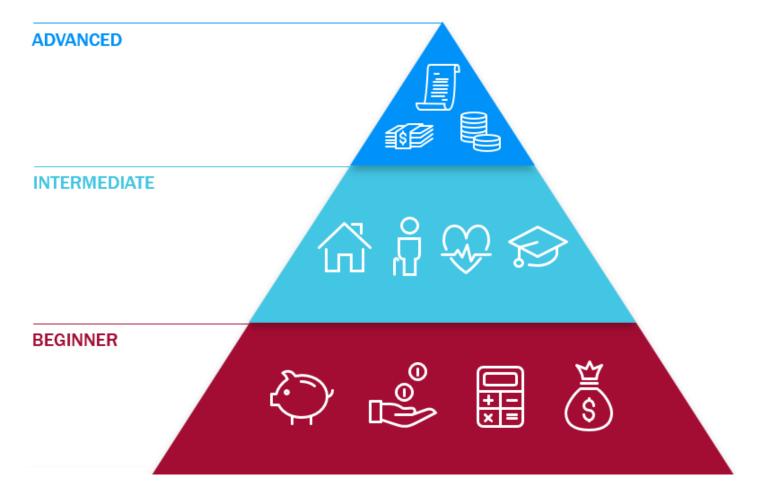
- Retirement Planning RMDs
- Subject to Discrimination Testing



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### **Financial Wellness**

#### Focus of 92% Plan Sponsors in 2017







### **Financial Wellness**

**Considerations When Selecting A Provider** 



Integration with Other Benefits



Multimedia Resources



Data-Reporting Capabilities



Budget or Cost



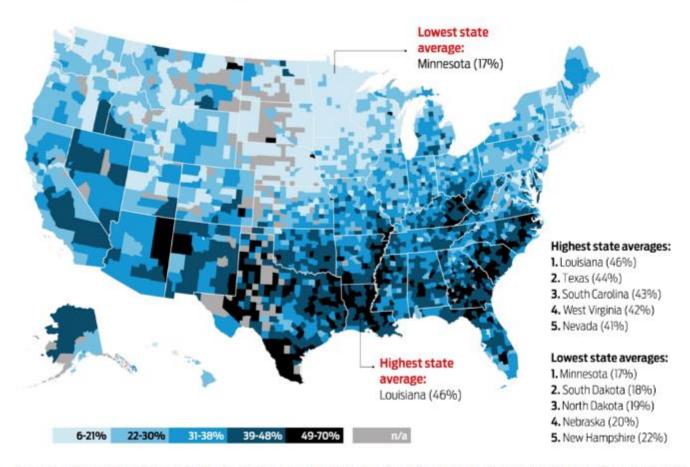




### **Financial Wellness**

**Finding a Fit** 

#### Where Americans Are Falling Behind on Debt



Percentage of Americans with debt in collections, by U.S. county. One in three Americans hold debt in collections, and they owe a median amount of \$1,450. I Data: Urban Institute



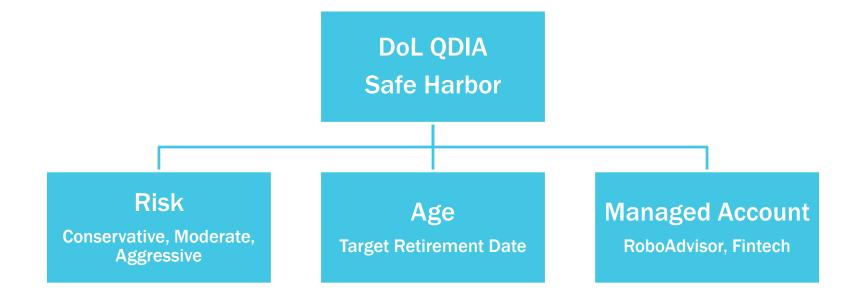


### **Customization with Managed Accounts**

Individual Circumstances – e.g. spouse, assets outside the plan, longevity, legacy.

#### **Emerging Trends:**

- Hybrid Default younger enrolled in target date, switch to individually managed later
- Financial Wellness combined with Managed Accounts
- Retirement Income inclusion of an annuity product
- Bundled vs. Unbundled







### **Plan Design Potential**

Current	Future
<ul> <li>QACA: Safe Harbor – No ADP &amp; ACP Tests</li> <li>Employee Contribution: <ul> <li>Eligibility 3 months after hiring (monthly pay)</li> <li>6% Auto Enroll (up from 3%)</li> <li>Pre Tax (Roth 401(k) or combination)</li> </ul> </li> <li>Employer Match: <ul> <li>Formula: 100% 1st 2%, 50% next 4%</li> <li>1 Yr Vesting</li> <li>Pre Tax</li> </ul> </li> <li>Employer Contribution: <ul> <li>Discretionary</li> <li>8%</li> <li>5 Yr Vesting</li> <li>Pre tax</li> </ul> </li> <li>Forfeitures: <ul> <li>Reduce Employer Match Contribution</li> </ul> </li> </ul>	<ul> <li>1% Annual Auto Boost?</li> <li>Continue QACA Safe Harbor?</li> <li>Cap Auto-Escalation at 15% (Opt Out)</li> <li>Employer Contributions Auto to After Tax? Not Pre Tax?</li> </ul>
	Source: JPMorgan

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### **Proven Partnering Practices Takeaways**

- **1.** Strong partnerships lead to trust and effective Plan administration
- **2. Employee input fosters Plan satisfaction**
- 3. Work Plan focuses on achievable goals
- 4. Quarterly meetings optimize administration and stakeholder participation
- 5. Pre-Meetings reduce time wasted during committee meetings
- 6. Attention to Plan Design, Technology and Legislative/Regulatory changes minimize risk
- 7. Optimized governance allows for effective and agile decision making
- 8. Small but continuous improvements lead to Best-In-Class Retirement Programs



