

# The Age of Private Markets

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TPG

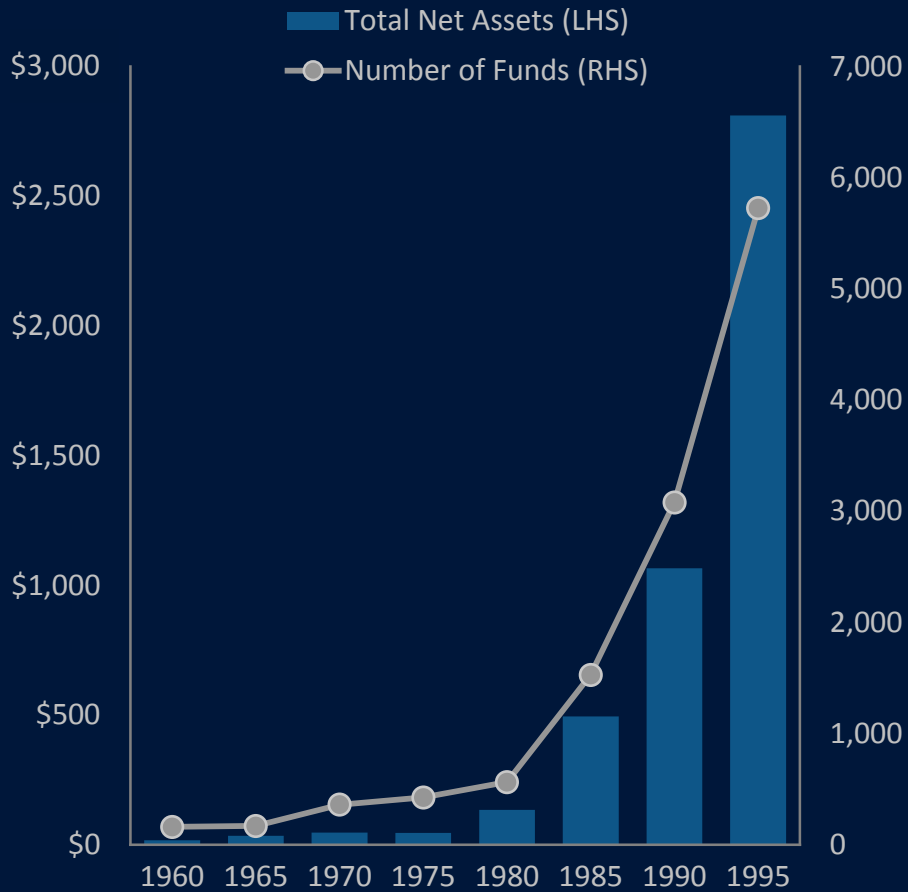
January 2019



# The mutual fund industry boomed as the public market expanded

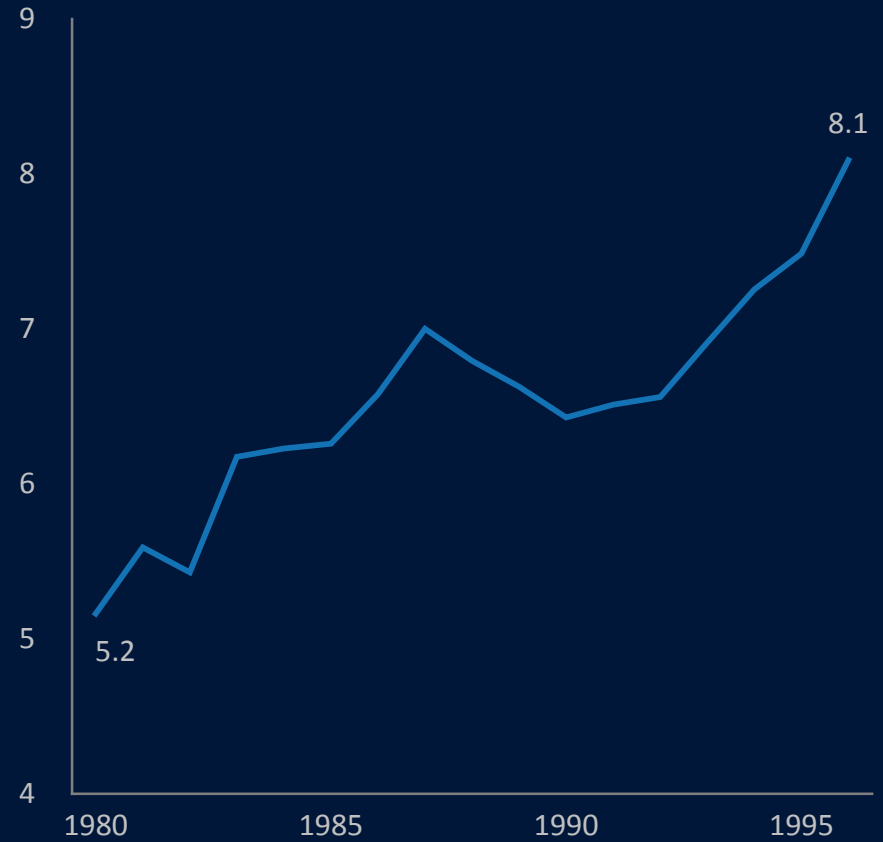
## US Mutual Fund Industry

\$ Billions



## Publicly Listed Companies

Thousands

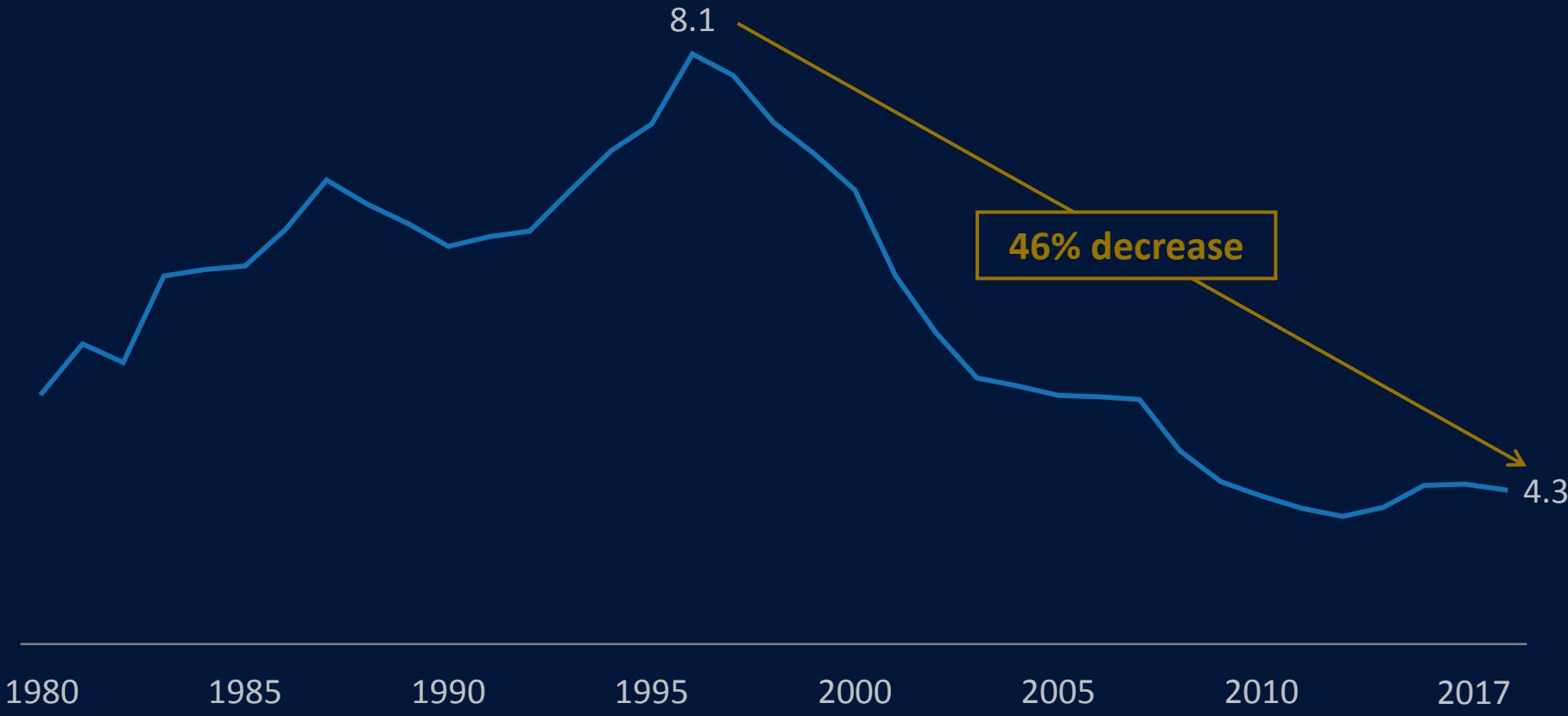


Source: Investment Company Institute, 2016 Investment Company Fact Book (May 2016); The World Bank Group (September 2017)

# Since 1996, the number of public companies has steadily declined

## US Publicly Listed Companies

Thousands



Source: The World Bank Group (September 2017)

# Being public is increasingly less attractive due to burden and scrutiny

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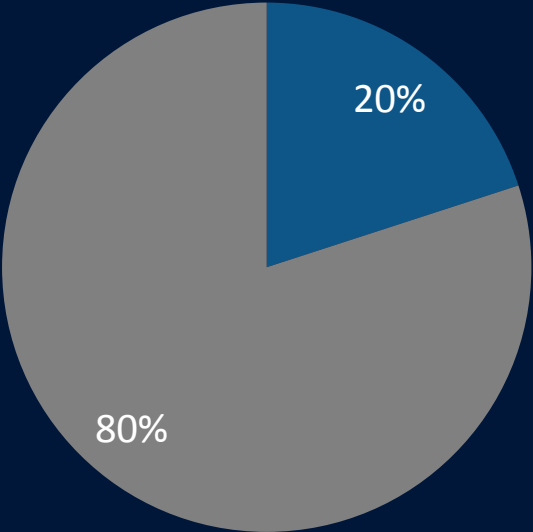
- Increasing regulatory and reporting burden
- Market focus on short-term results
- Increasing scrutiny by shareholder service firms on management compensation
- Rising power of activists, even with small shares
- Market focus on bigger companies, leaving mid-sized companies as orphans
- Increasingly flexible private capital alternatives through both equity and debt

# As public companies have aged, overall growth profile has slowed

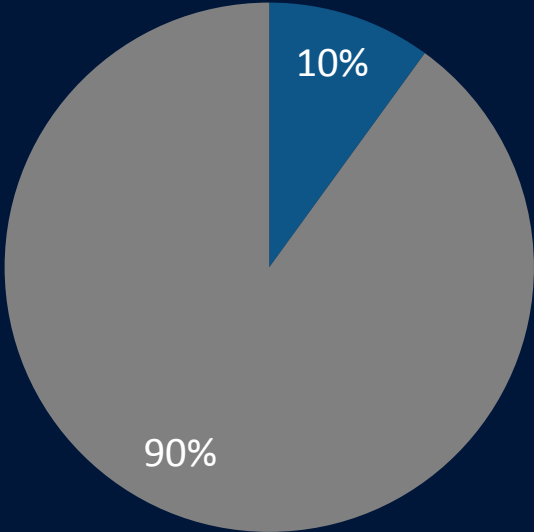
## Growth Profile % of S&P 500 Constituents

■ > 20% Revenue Growth   ■ < 20% Revenue Growth

1996



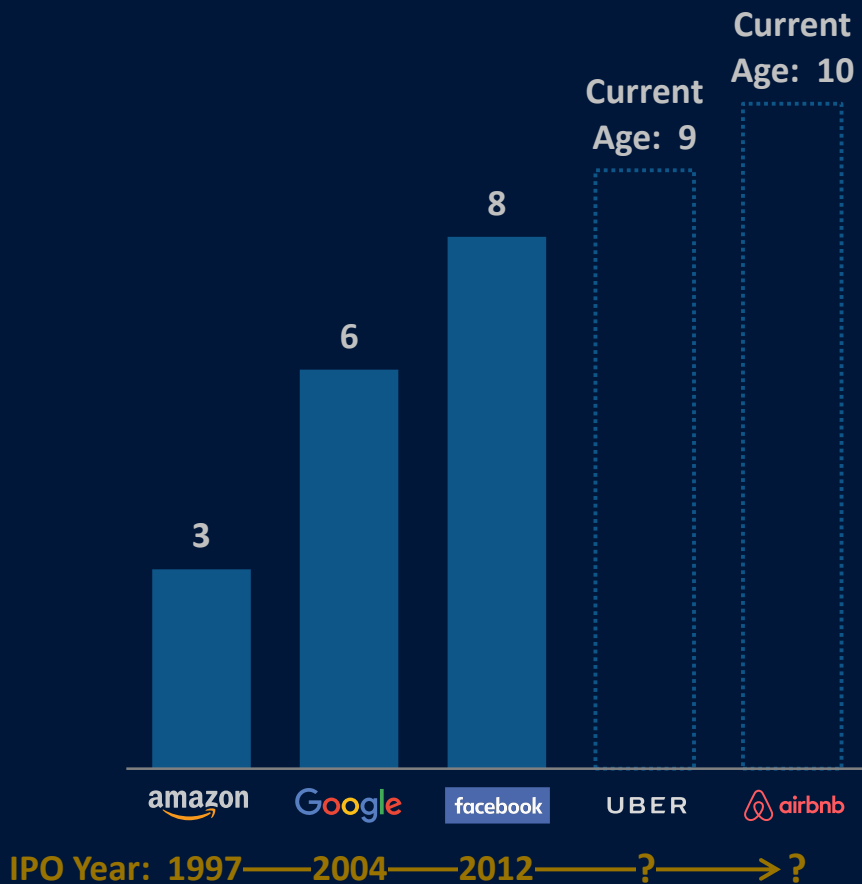
2016



Source: Pantheon, *The Shrinking Public Market and Why It Matters* (June 2017)

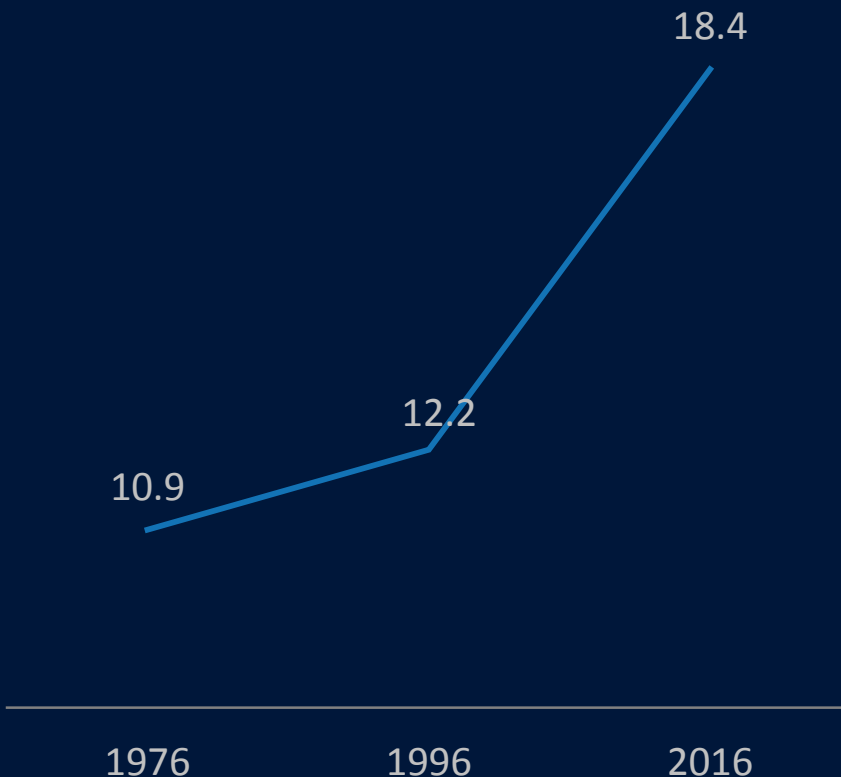
# Companies are delaying their IPOs, driving an aging market

## Age at IPO for Most Valuable Companies



## Average Age of Listed Companies

Years



Source: Credit Suisse, *The Incredible Shrinking Universe of Stocks* (March 2017); Capital IQ (September 2017)

# Companies are staying private for longer

260 Unicorns at \$839B cumulative valuation today



Source: Sutherland Global; CB Insights

# Companies are staying private for longer

260 Unicorns at \$839B cumulative valuation today

## Why are private companies choosing to stay private?

- ✓ Increasingly more capital and alternatives for private capital throughout the life of a company
- ✓ Flexibility to pursue growth strategy with a long-term focus, including heavy investments and losses if part of the strategy
- ✓ Less burdened by quarterly reporting focus of the market
- ✓ Less burdened by public disclosure and regulatory requirements
- ✓ More flexibility in management and employee compensation plans
- ✓ More flexibility to concentrate control as desired



# Active managers have rarely achieved long-term outperformance

## Heroes of Active Management



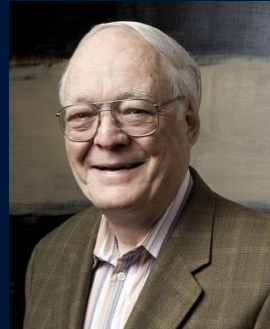
Peter Lynch



Sir John Templeton



Benjamin Graham

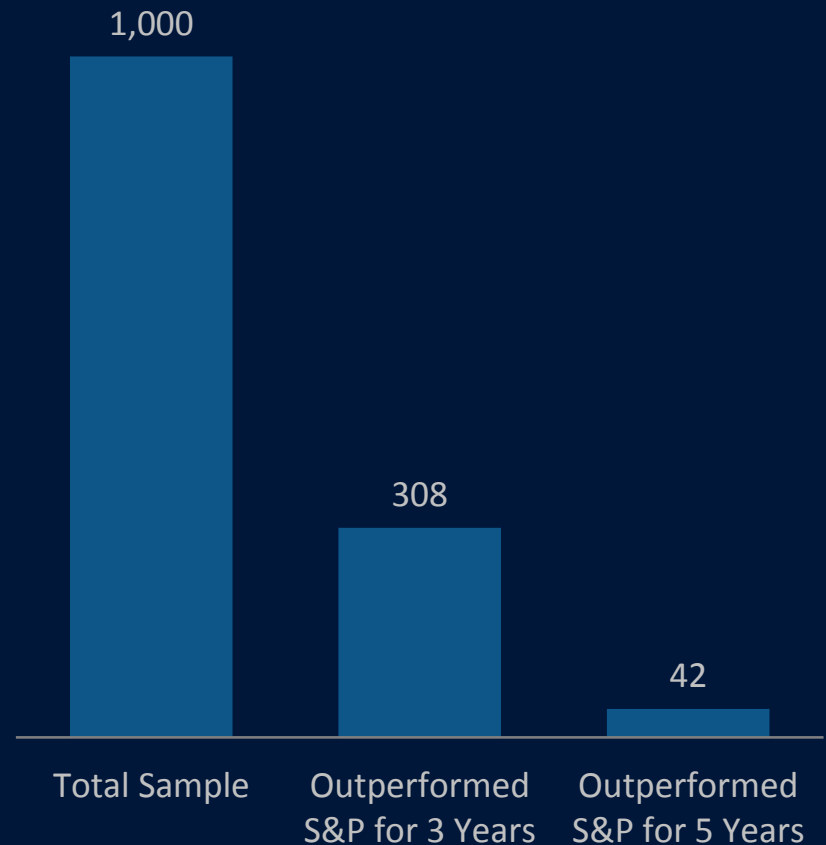


John Neff

## Outperformance is Incredibly Difficult

### Active Managers Outperforming the S&P

Illustrative Sample | March 2000 – September 2016

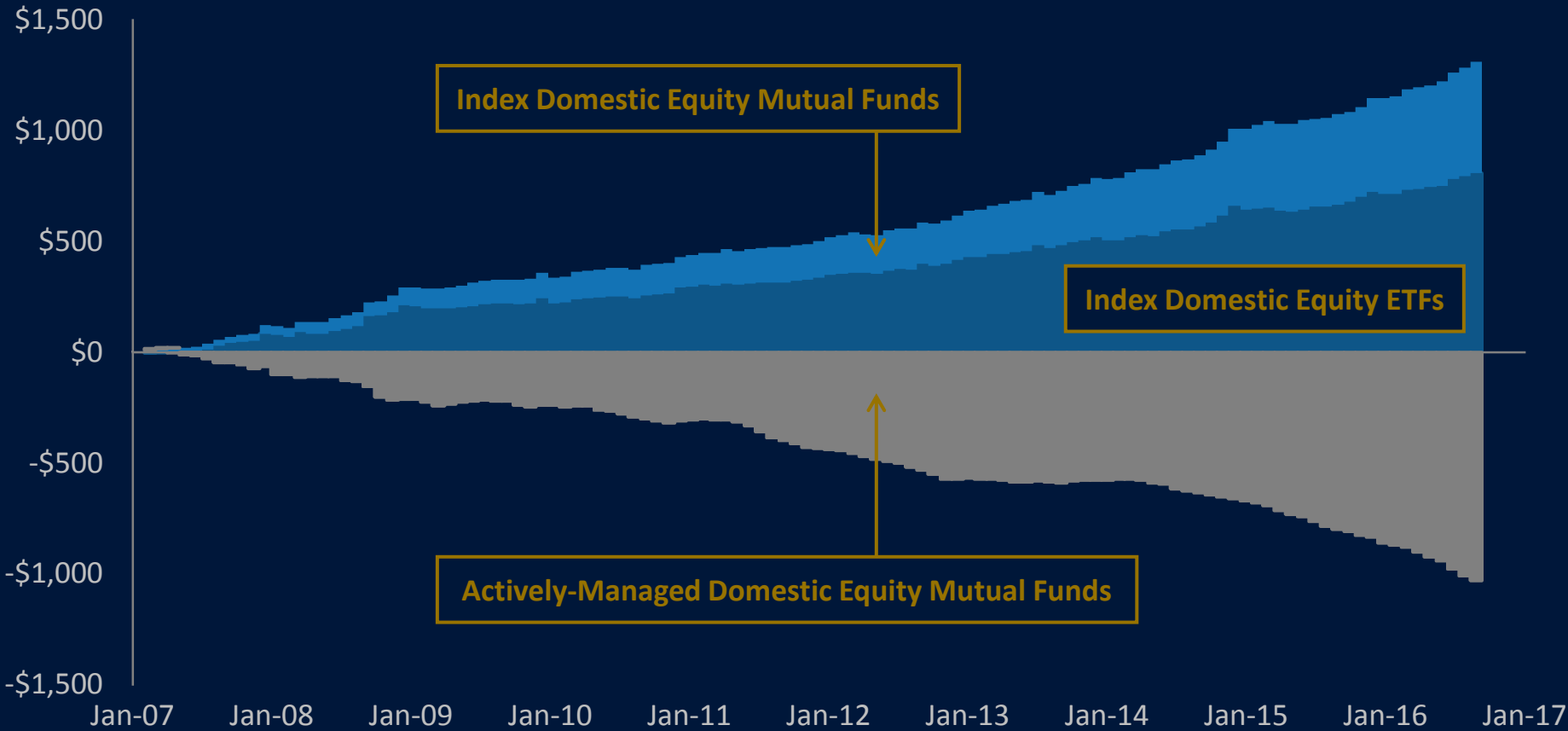


Note: Illustrative calculation based on CNBC reporting found that 31% of large-cap active fund managers outperform the S&P 500 for three straight years, and just 4% outperformed the S&P 500 for five straight years  
Source: CNBC; *Active managers rarely beat their benchmarks year after year* (February 2017)

# Markets are increasingly skewed towards passive investing

## Funds and Actively Managed Domestic Mutual Funds

Cumulative Fund Flows / \$ Billions



**“ Stocks have benefitted from forced buying on the part of passive vehicles, which don’t have the option to refrain from buying a stock just because it’s overpriced. ”**

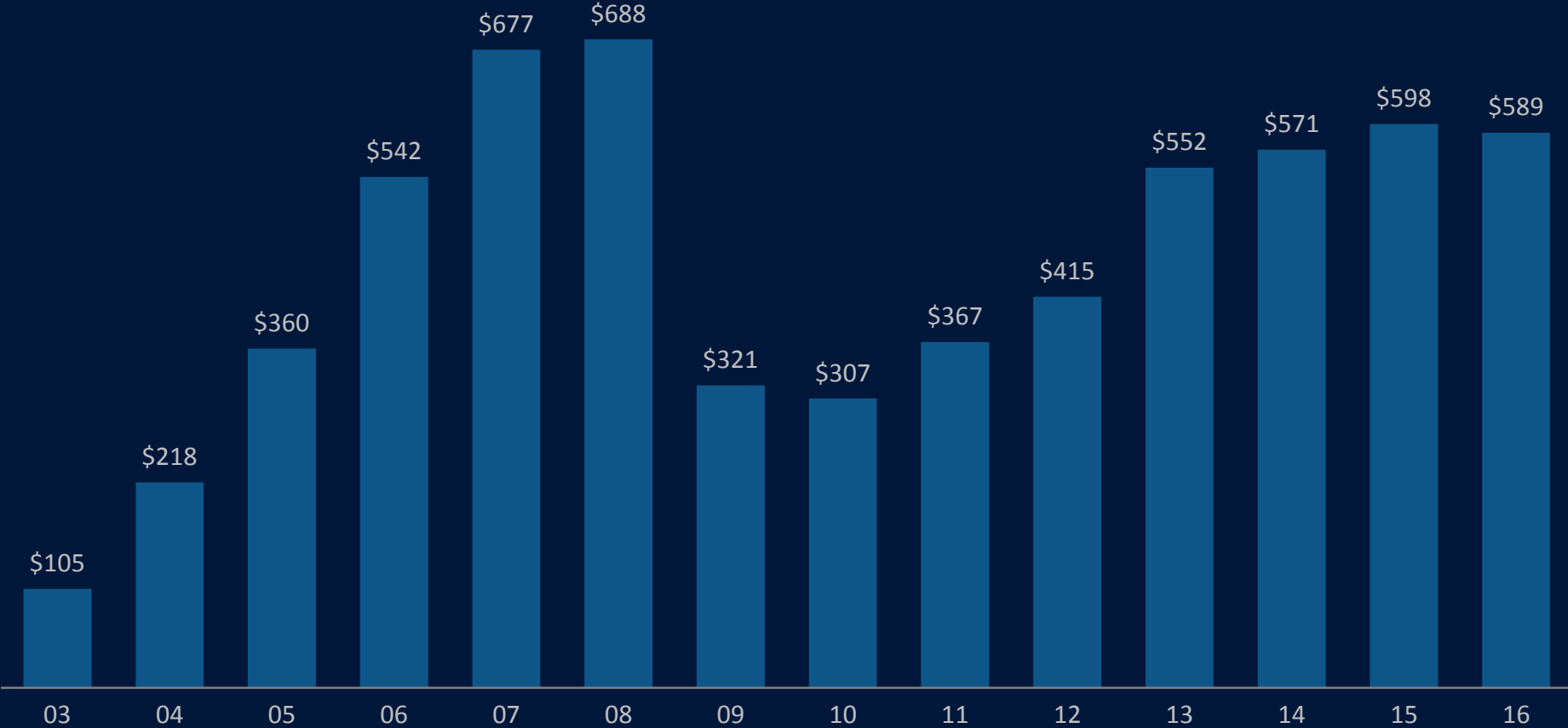
— Howard Marks

Note: As of 9/30/16  
Source: Investment Company Institute (ICI), Goldman Sachs Global Investment Research

# Over last 25 years, private equity has boomed

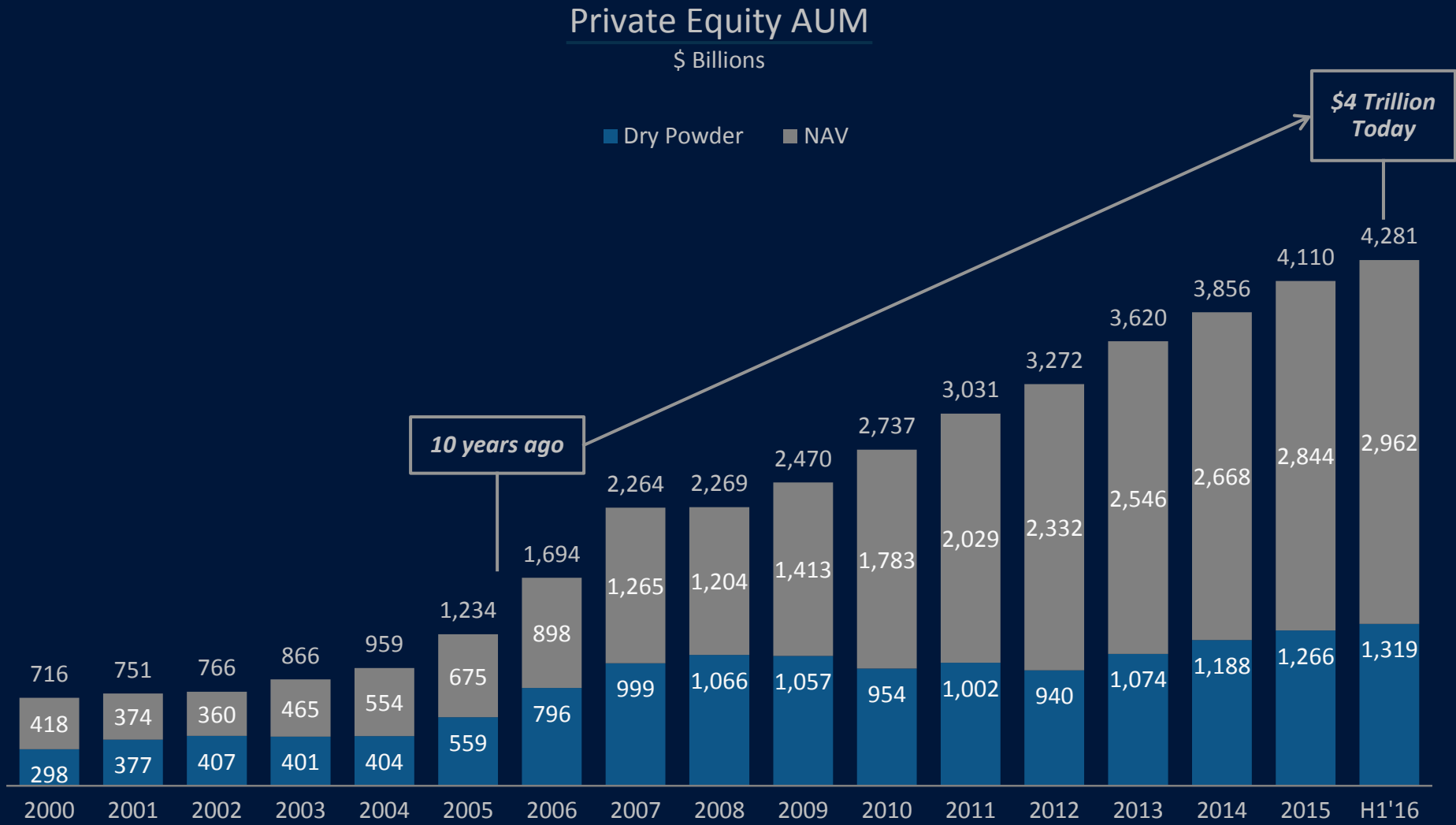
## Global PE Capital Raised By Fund Type

\$ Billions



Notes: Includes buyout funds with a final close; represents year funds held their final close  
Source: Preqin

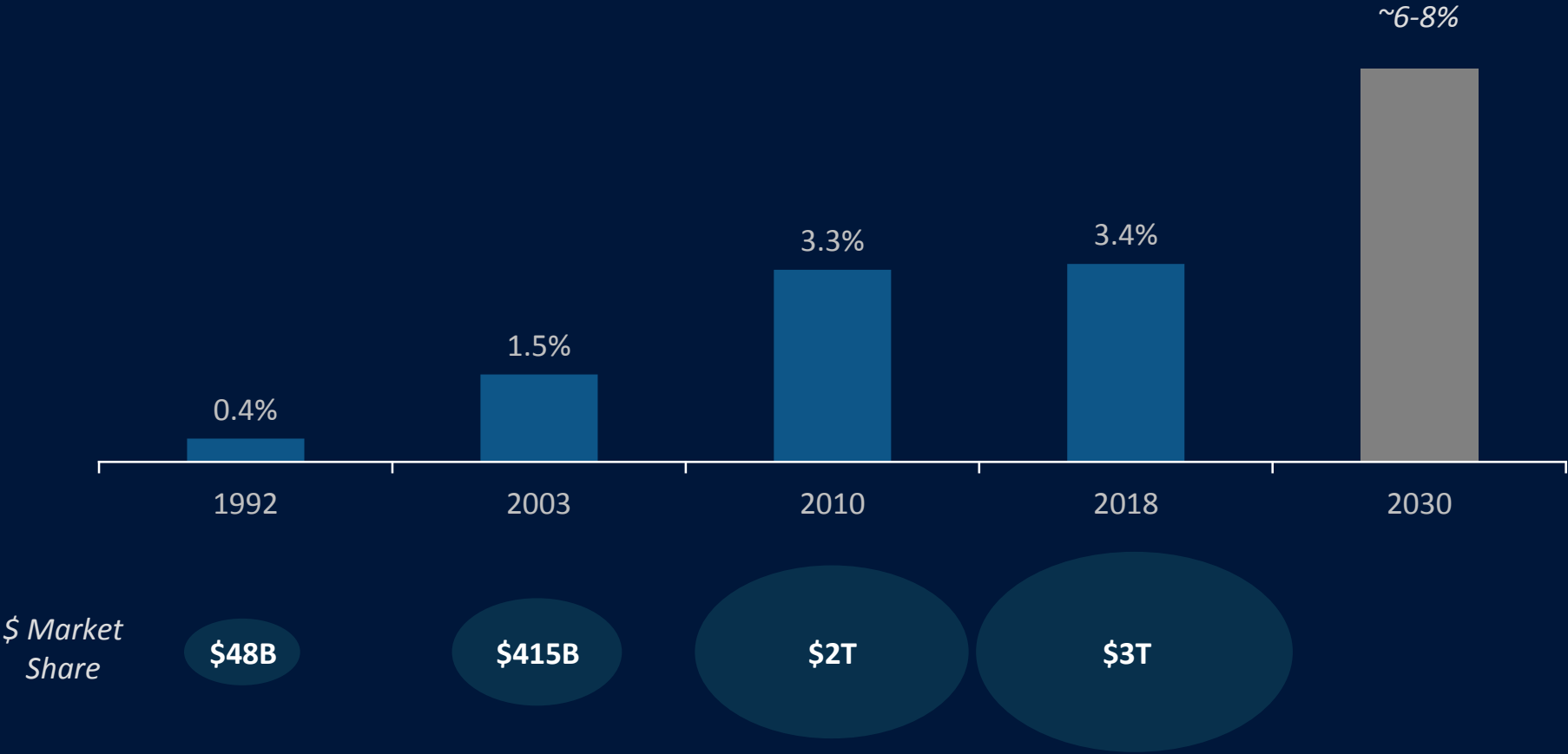
# Over \$4T of assets are controlled by PE firms, with \$1T+ of dry powder



Source: Hamilton Lane

# Private equity is expected to roughly double in market share by 2030

## Global Private Equity Market Share



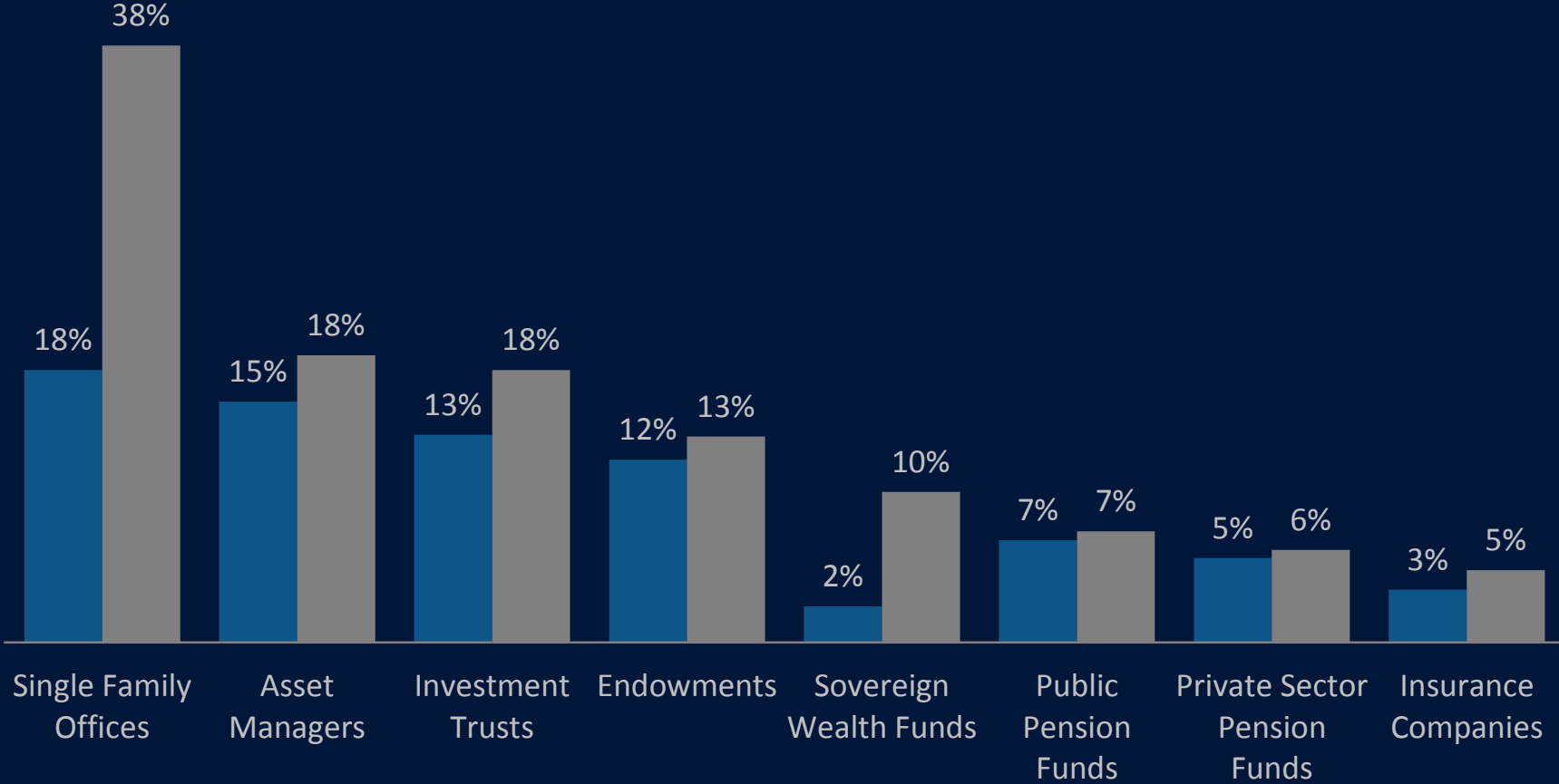
Note: Assumes market growth of 6% annually between 2018-2030E; Estimates are inherently uncertain and subject to change. Actual results may vary.  
Source: Hamilton Lane, *Investment Database* (October 2015); NYSE, *NYX Data* (September 2018); World Federation of Exchanges, *2017 Full Year Market Highlights* (February 2018); TPG Analysis (October 2018)

# Investors have increasingly shifted their allocation to private equity

## Average Target Allocation to Private Equity by Investor Type

% AUM

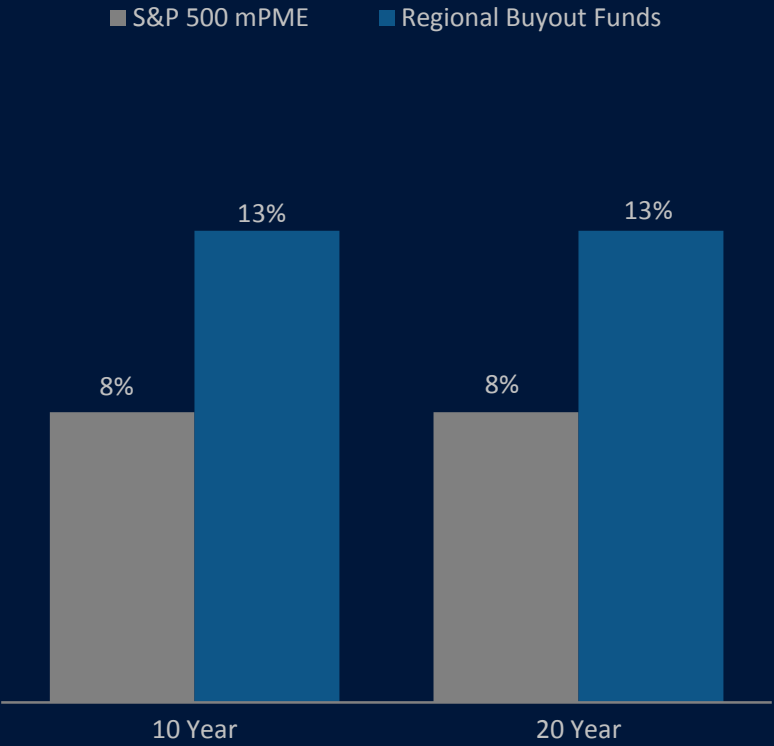
■ 2011 ■ 2017



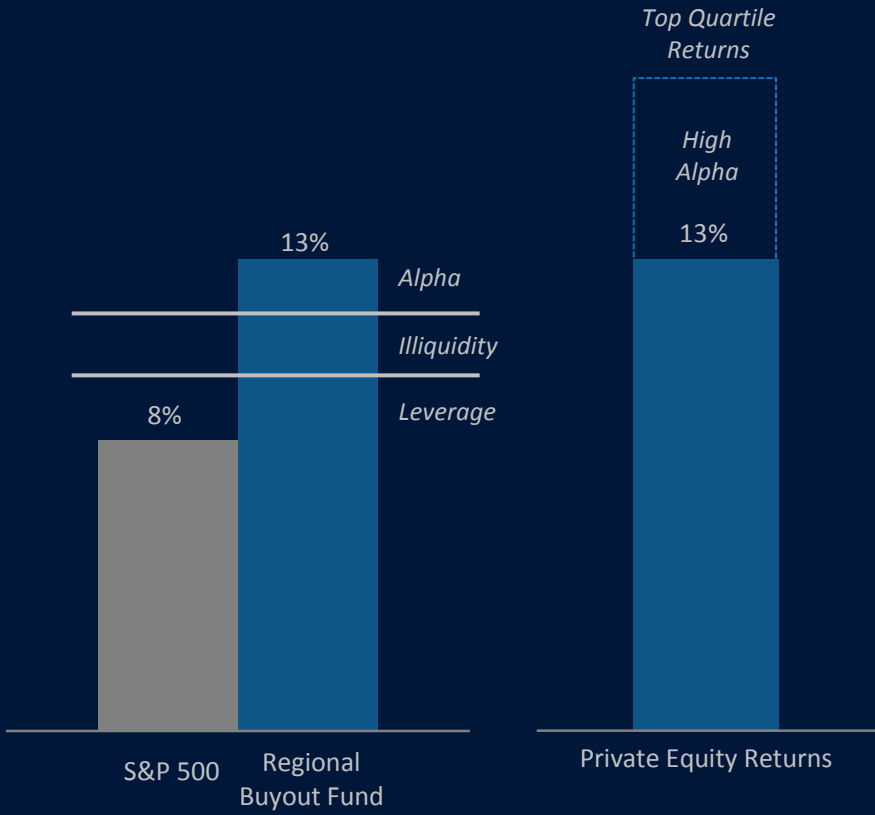
Source: Preqin (January 2017)

# Private equity outperforms other asset classes on a risk-adjusted basis

US Returns  
Investment Horizon in Years



US Returns  
Investment Horizon in Years

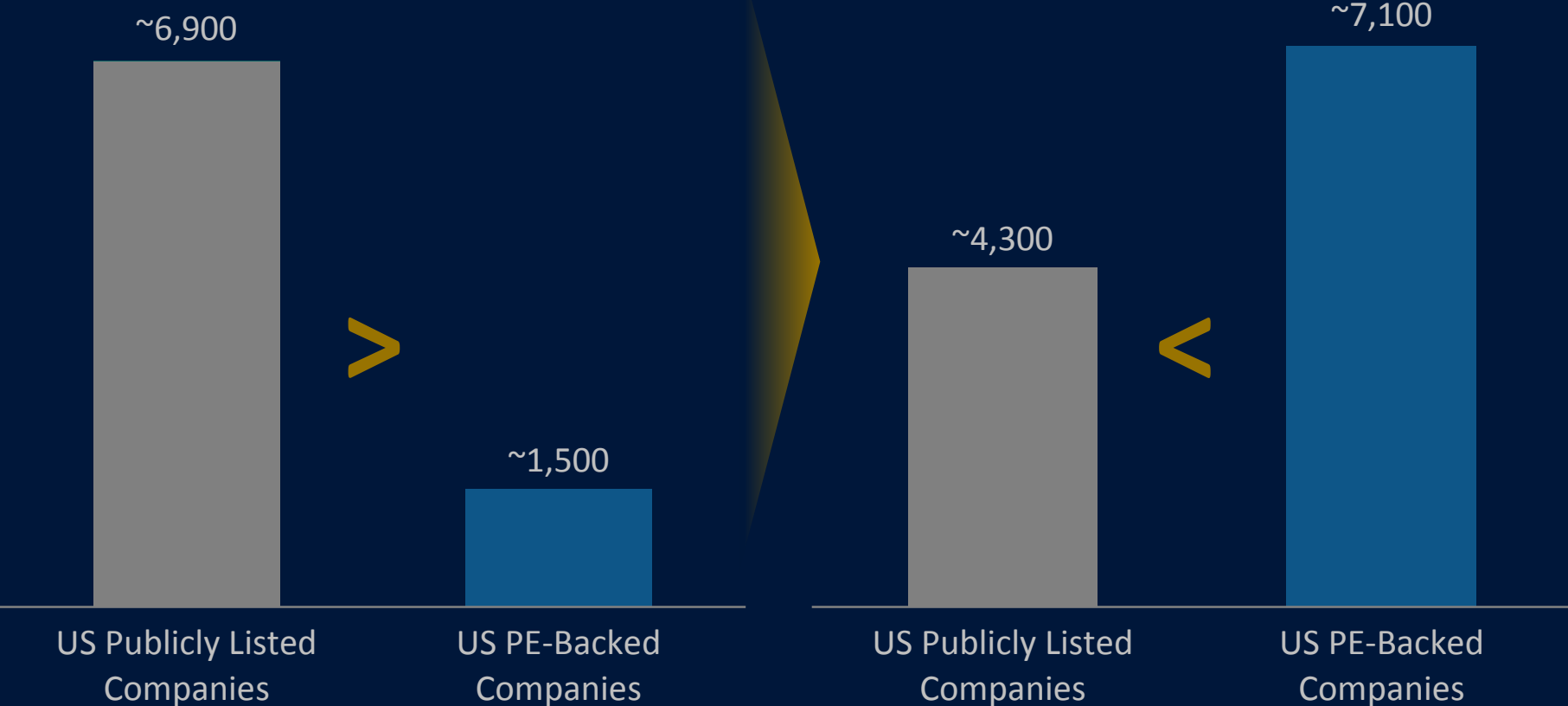


Note: Pension Fund Required Return is the average targeted return of CalPERS, Washington State Investment Board, Pennsylvania State ERS and New York City Retirement Systems  
Source: Hamilton Lane, Form S-1 (February 2017)

# Private markets offer a greater breadth of investable opportunities

2000

2016



Source: PitchBook (September 2017); World Bank (September 2017)

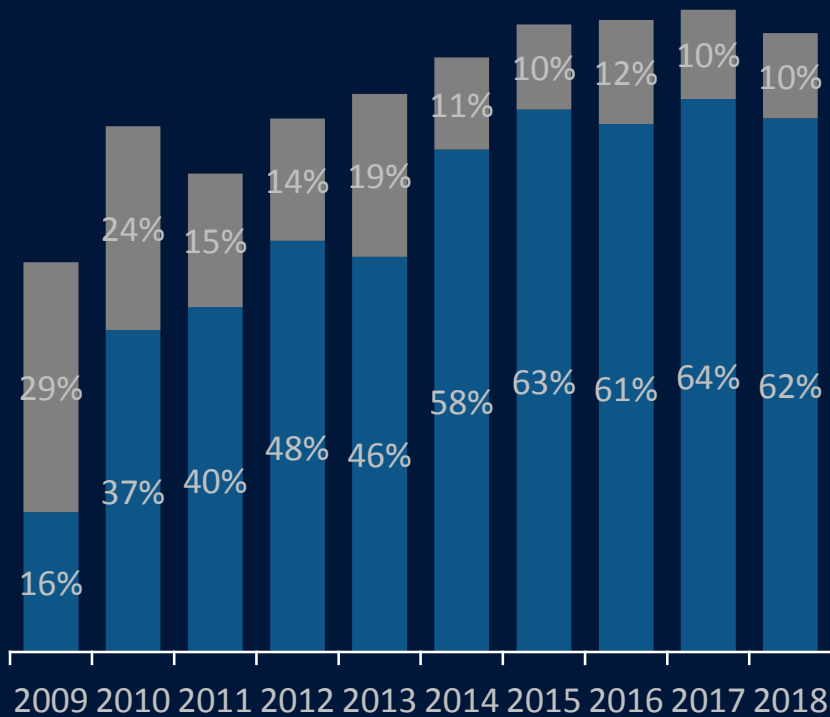


# Sponsors are increasingly buying and selling within the private markets

## Sponsor Purchases

% Total Sponsor Deals

■ Sponsor-to-Sponsor Public-to-Private



## Private Equity Ownership Evolution



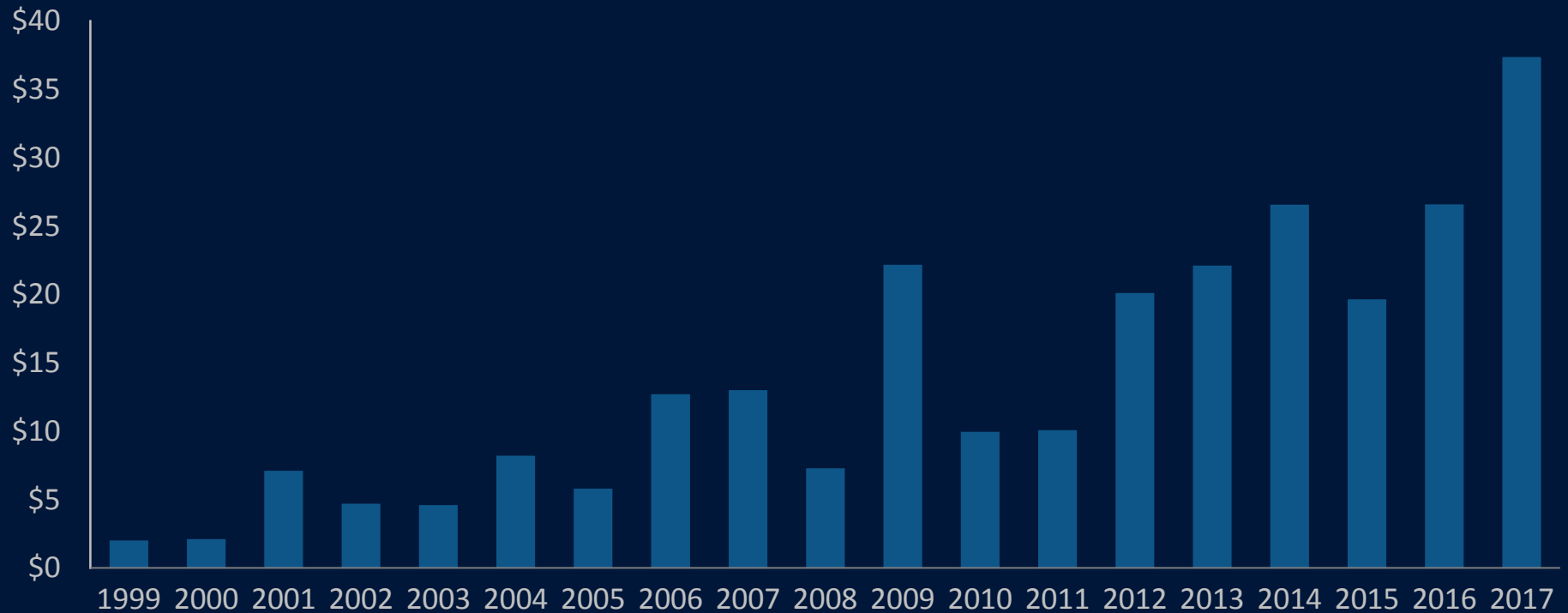
Source: S&P Global, *Leveraged Buyout Review* (2Q 2017)

# The rise of the secondary market has provided liquidity for PE LPs

## Secondaries

\$ Billions

■ Aggregate Capital Raised (\$ Billions, LHS)



Source: Preqin, *Global Private Equity & Venture Capital Report* (January 2018); lender estimates; TPG research (October 2018)

# While public markets are based on outside-in public information...

## Public Market

- “Buy” decision
  - Public Information



- Hedge strategies

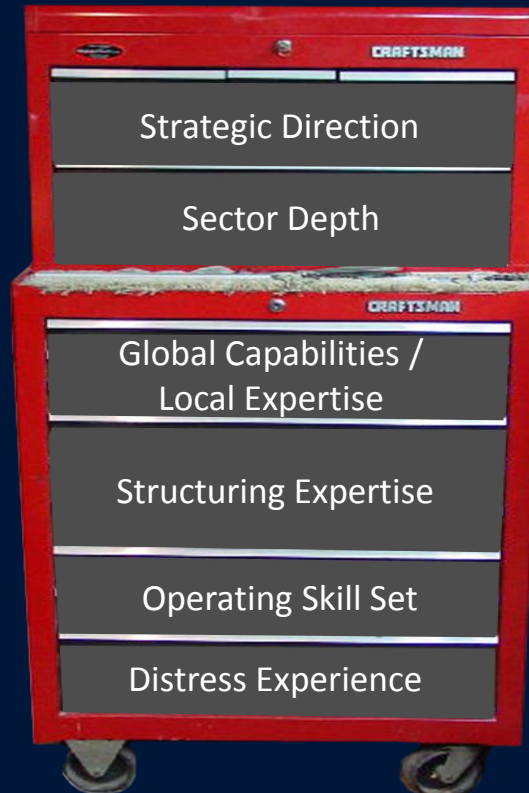
- Activism

- “Sell” decision
  - Public information

# ...private markets offer a greater toolkit to drive returns

## Public Market

- “Buy” decision
  - Public Information
- Hedge strategies
- Activism
- “Sell” decision
  - Public information



## Private Equity

- “Buy” decision
  - Full inside due diligence
- Control
  - Choose CEO, COO, CFO
- Financial leverage
- Management change
- Strategic redirection
- Operational involvement
  - Lean 6 Sigma
  - Cash Management
  - Supply Chain
  - Procurement, etc.
- “Sell” decision

# Private equity has matured, with a full range of investable opportunities

## 1994

- 1 Limited GP universe
- 2 Mysterious with limited reliable data
- 3 Short track records
- 4 No liquidity
- 5 Private markets for a period
- 6 Small investment universe

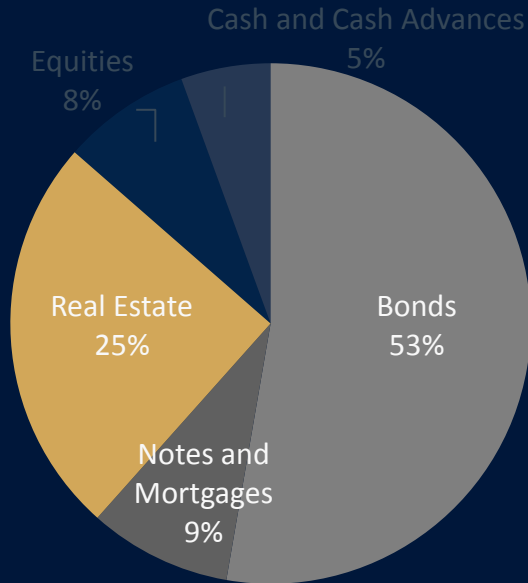
## Today

- 1 Diverse GP universe
- 2 Significant increase in available data
- 3 Long track records across full economic cycles
- 4 Liquid secondary market
- 5 Perpetually private
- 6 More diverse universe than the public markets

# LP allocations have shifted over time in response

## Harvard General Investments

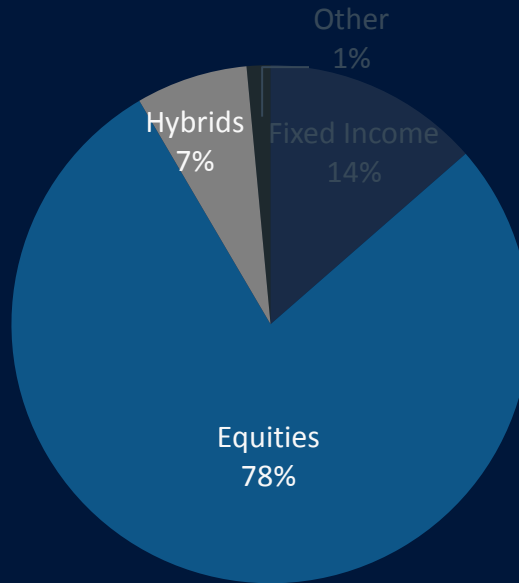
1901 Portfolio Allocation



Bonds and Barons

## Ford Foundation

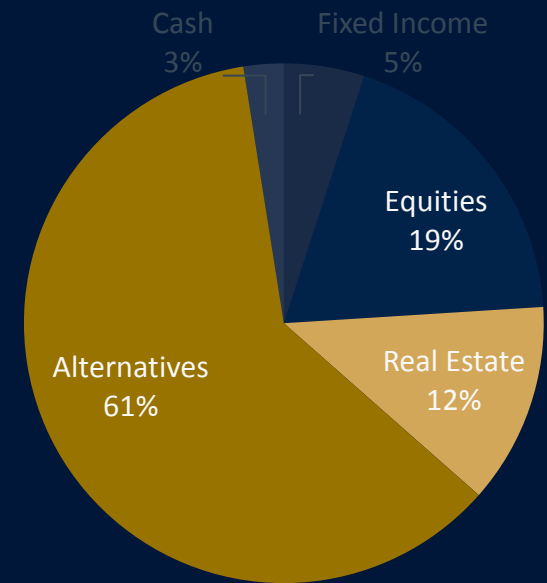
1972 Portfolio Allocation (ex. Ford Stock)



The Rise of Public Markets

## The Swensen Model

Yale 2016 Target Allocations



The Age of Private Markets

Source: Annual Reports of the President and the Treasurer of Harvard College 1900-01 (1902); The Ford Foundation, *Annual Report* (1972); Yale Endowment Report (2016)

# In the new world, investors turn to private markets to seek alpha

Old Paradigm

New Paradigm



# Potential long-term implications for large investment managers

## Context

- Composition of public markets is fundamentally shifting as companies age and growth profile slows
- Companies are staying private for longer – sponsor-to-sponsor transactions have become the dominant form of private transactions
- The private equity asset class is driving superior returns, even on a liquidity-adjusted basis – particularly top quartile funds
- Increasing investing optionality in private markets – the number of private companies now exceeds the number of public companies – with flexibility to drive change and value creation
- Secondaries as a rising established market to provide liquidity to private equity investors

## Implications

- Manage public and private equities as a cohesive pool to evaluate risk/reward, sector exposure, beta, and alpha across both types
- Market, geography, FX, and sector hedging across combined exposures
- Private equities geared to alpha and public equities geared towards beta
- Significant opportunity for outperformance in choosing top quartile managers in PE
- Reduce JCurve fee structure elements of PE with new fee approaches and longer fund horizons for best managers
- Actively use secondary markets to manage PE exposure at key points in cycle