



2025 Board of Trustees Retreat

March 18-19, 2025

Boar's Head
Charlottesville, Virginia

Board of Trustees Retreat

Boar's Head | The Ballroom

Wednesday, March 19, 2025

8:00 a.m. Buffet Breakfast - Ballroom Foyer

8:30 a.m. Day 2 Opening Remarks
Andrew Junkin - Virginia Retirement System
Chief Investment Officer

8:35 a.m. Macro Overview
Torsten Slok - Apollo Global Management
Partner and Chief Economist

9:20 a.m. Geopolitics
Tom Nides - Blackstone
Vice Chairman, Strategy and Client Relations

10:15 a.m. 15-Minute Break

10:30 a.m. Data Centers
Matt A'Hearn - Blue Owl
Head, Digital Infrastructure

11:10 a.m. Real Estate
Elizabeth Bell - Hamilton Lane
Co-Head, Real Estate

11:50 a.m. Healthcare
Dr. Thomas Roberts, Jr.
Farallon Capital Management
Partner and Vice Chair

12:30 p.m. Closing Remarks
Andrew Junkin - Virginia Retirement System
Chief Investment Officer

Buffet Lunch - Ballroom Foyer

Opening Remarks

Day 2

Andrew Junkin
Chief Investment Officer



Guest Speaker: Macro Overview

Torsten Slok
Partner and Chief
Economist

Apollo Global
Management



Guest Speaker: Macro Overview

Torsten Slok | Apollo Global Management



Mr. Slok joined Apollo Global Management in August 2020.

Prior to joining the firm, Mr. Slok worked for 15 years on the sell-side, where his team was top-ranked by Institutional Investor in fixed income and equities for ten years, including #1 in 2019. Previously he worked at the OECD in Paris in the Money and Finance Division and the Structural Policy Analysis Division. Before joining the OECD he worked for four years at the IMF in the Division responsible for writing the World Economic Outlook and the Division responsible for China, Hong Kong, and Mongolia.

Mr. Slok studied at University of Copenhagen and Princeton University. He frequently appears in the media (CNBC, Bloomberg, WSJ, NYT, FT), and he has published numerous journal articles and reviews on economics and policy analysis, including in Journal of International Economics, Journal of International Money and Finance, and The Econometric Journal.

APOLLO

Outlook for public and private markets

Torsten Slok, Ph.D.

tslok@apollo.com

Apollo Global Management

March 2025

Unless otherwise noted, information as of March 2025.

Proprietary - Not for distribution, in whole or in part, without the express written consent of Apollo Global Management, Inc.

Legal Disclaimer

Unless otherwise noted, information included herein is presented as of the dates indicated. Apollo Global Management, Inc. (together with its subsidiaries, "Apollo") makes no representation or warranty, expressed or implied, with respect to the accuracy, reasonableness, or completeness of any of the information contained herein, including, but not limited to, information obtained from third parties. Opinions, estimates and projections constitute the current judgment of the author as of the date indicated. They do not necessarily reflect the views and opinions of Apollo and are subject to change at any time without notice. Apollo does not have any responsibility to update the information to account for such changes. Hyperlinks to third-party websites in these materials are provided for reader convenience only. There can be no assurance that any trends discussed herein will continue.

The information contained herein is not intended to provide, and should not be relied upon for, accounting, legal or tax advice and does not constitute an investment recommendation or investment advice. Investors should make an independent investigation of the information contained herein, including consulting their tax, legal, accounting or other advisors about such information. Apollo does not act for you and is not responsible for providing you with the protections afforded to its clients.

Certain information contained herein may be "forward-looking" in nature. Due to various risks and uncertainties, actual events or results may differ materially from those reflected or contemplated in such forward-looking information. As such, undue reliance should not be placed on such information. Forward-looking statements may be identified by the use of terminology including, but not limited to, "may", "will", "should", "expect", "anticipate", "target", "project", "estimate", "intend", "continue" or "believe" or the negatives thereof or other variations thereon or comparable terminology.



1) DOGE and tariffs

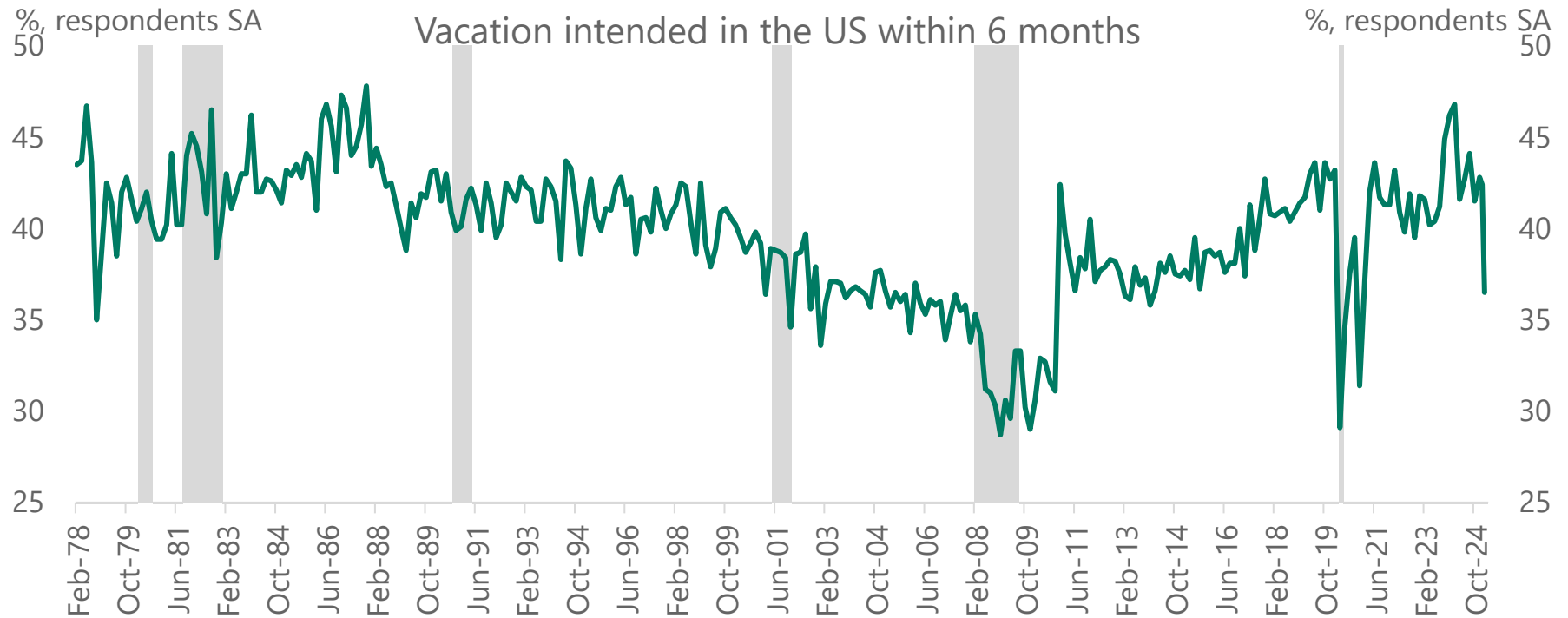
2) Incoming economic data

3) Investment implications

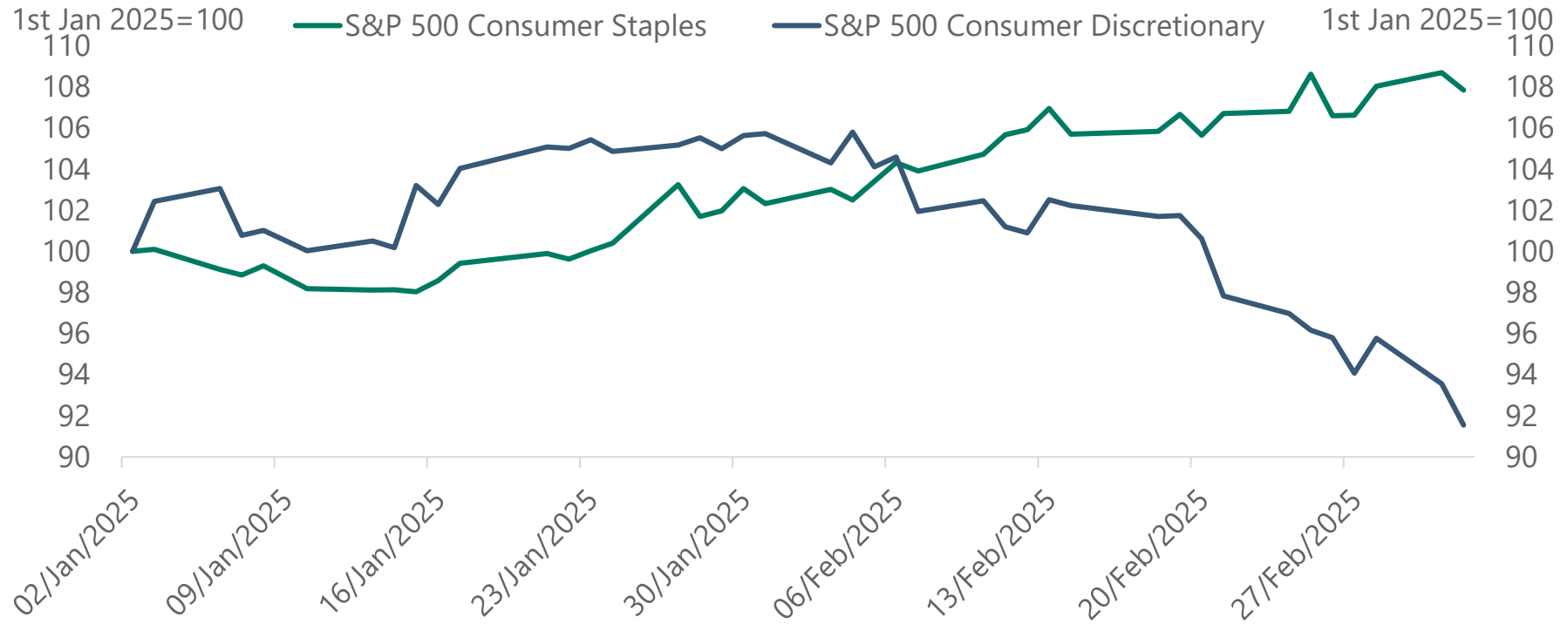
Overview



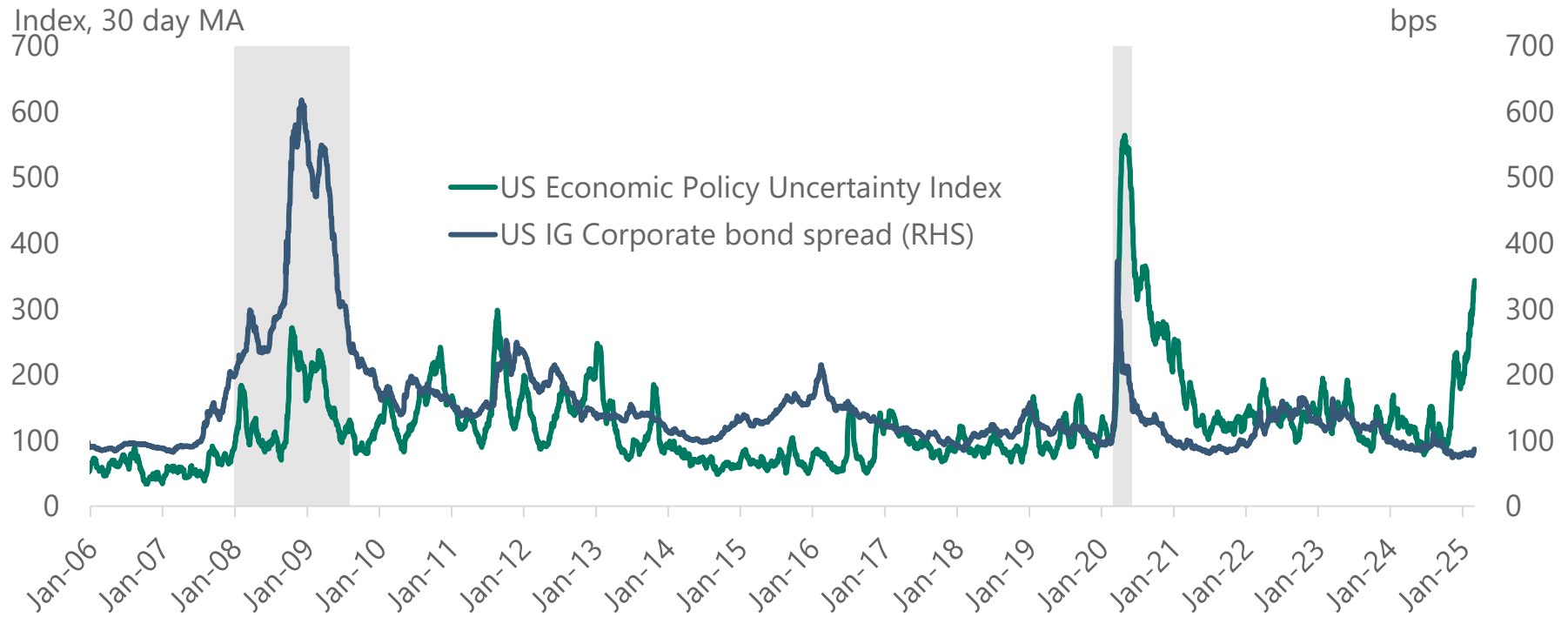
Fewer people planning vacations



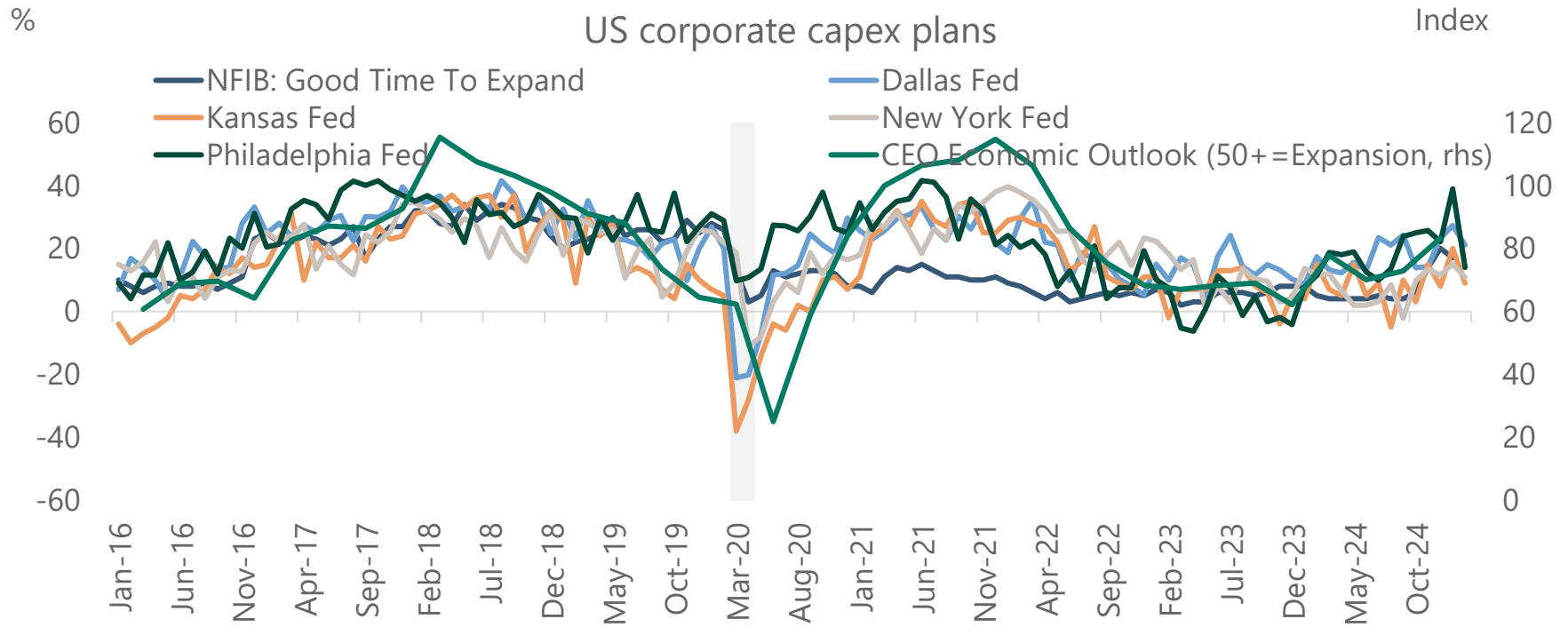
Divergence between consumer staples and consumer discretionary



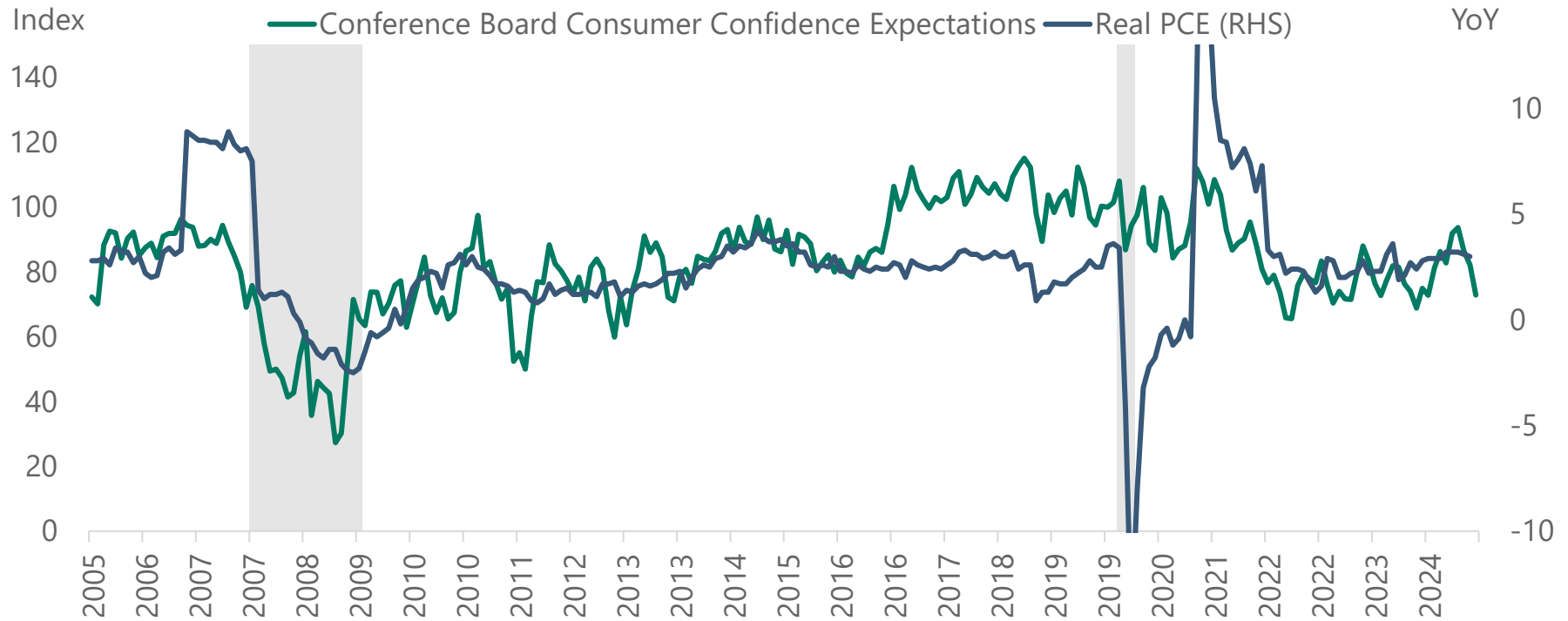
IG spreads are disconnected from the economic policy uncertainty index



Corporate capital spending plans reversing



Downside risks to consumer spending



Consumer business expectations



Consumer inflation expectations



Consumers expecting fewer jobs available going forward



DOGE and tariffs



Overview

Key policy areas: **Tariffs, DOGE, immigration, and fiscal policy**

DOGE impact:

- Expected federal layoffs: 300k
- For every federal employee there are 2 contractors
- Total unemployment: 7mn
- Total US Employment: 160mn

Tariff impact:

- Impact on US GDP: -0.4%. CPI: +0.5%. China alone: US GDP: -0.1%. CPI: +0.2%.

Immigration:

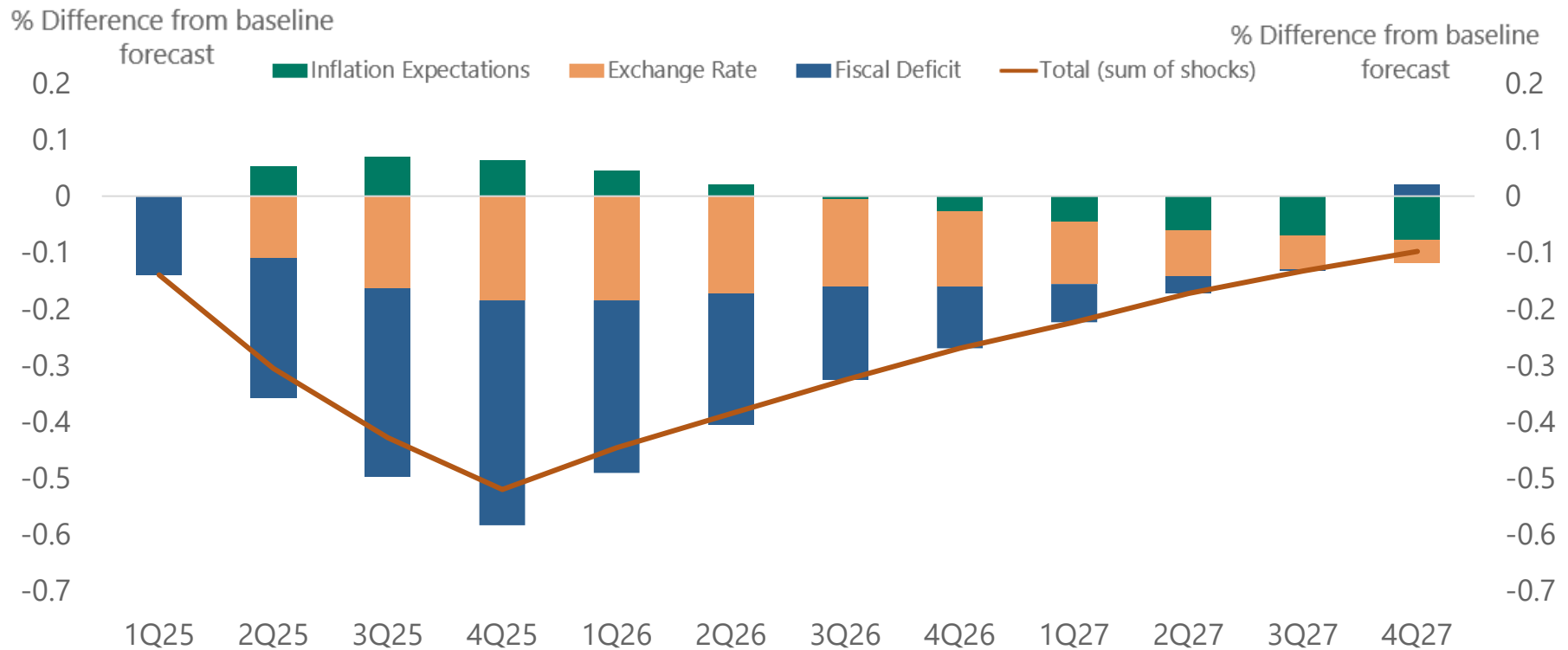
- Policy changes coming

Fiscal policy:

- The budget, not easy to replace income taxes with tariffs

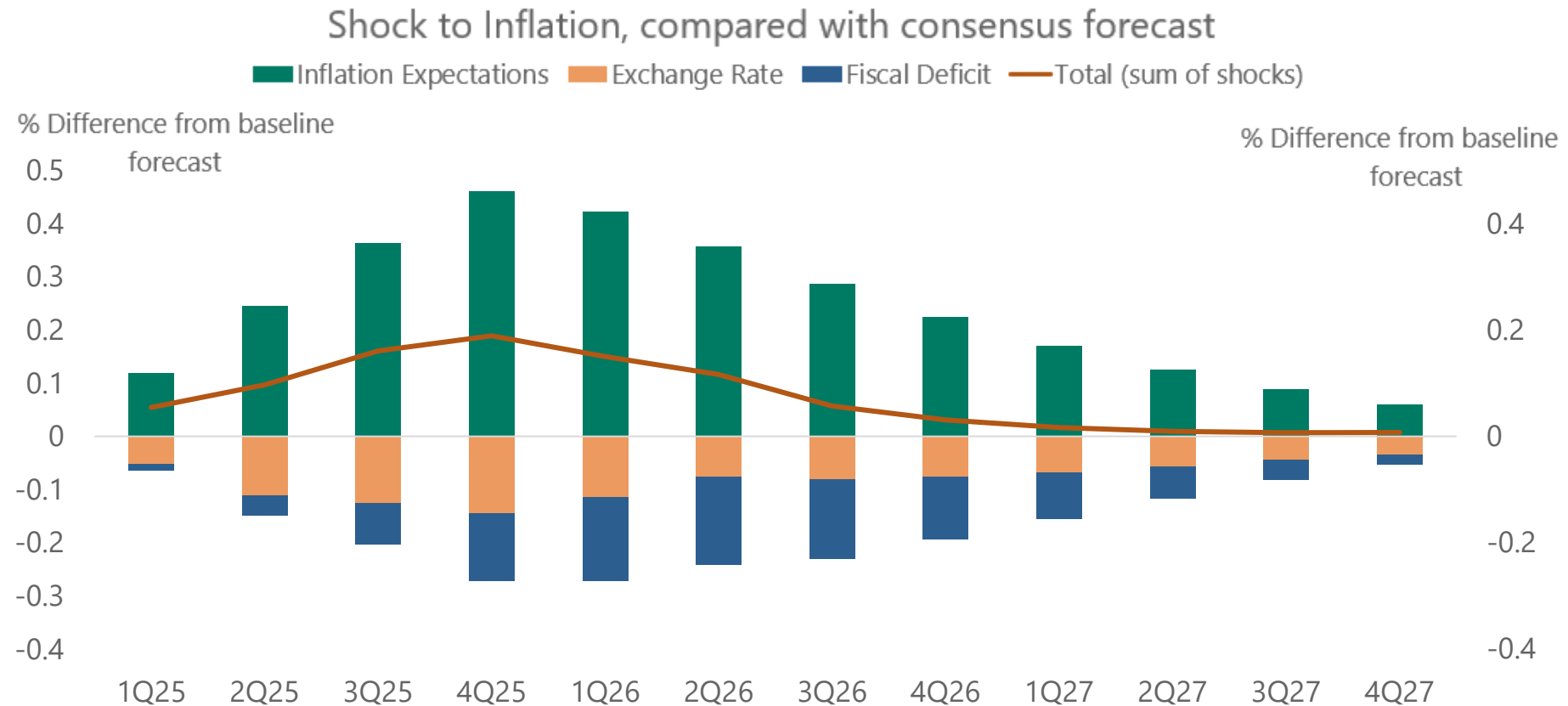
The impact of tariffs and DOGE on GDP

Shock to GDP level, compared with consensus forecast



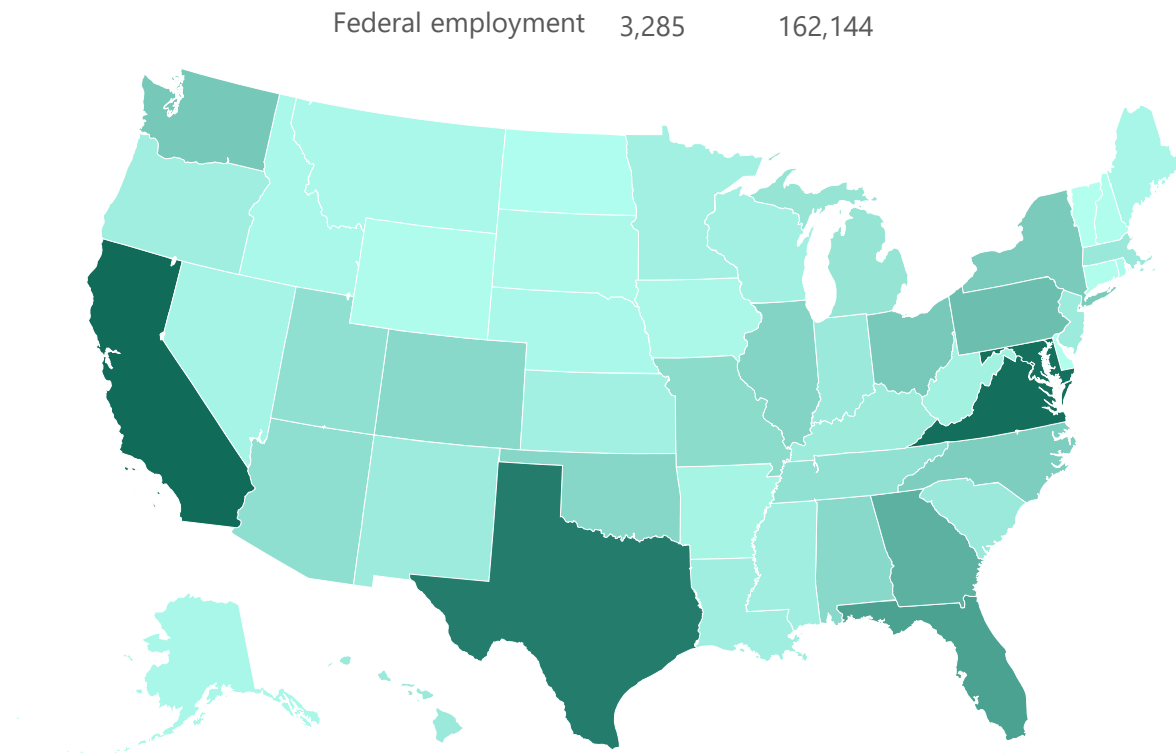
Source: Bloomberg SHOK model, Apollo Chief Economist. Note: Assumptions: \$100bn in DOGE savings resulting in 0.4% reduction in fiscal deficit, 5% appreciation of exchange rate and 0.5% - pt increase in inflation expectations shocks applied in Q1 2025.

The impact of tariffs and DOGE on inflation



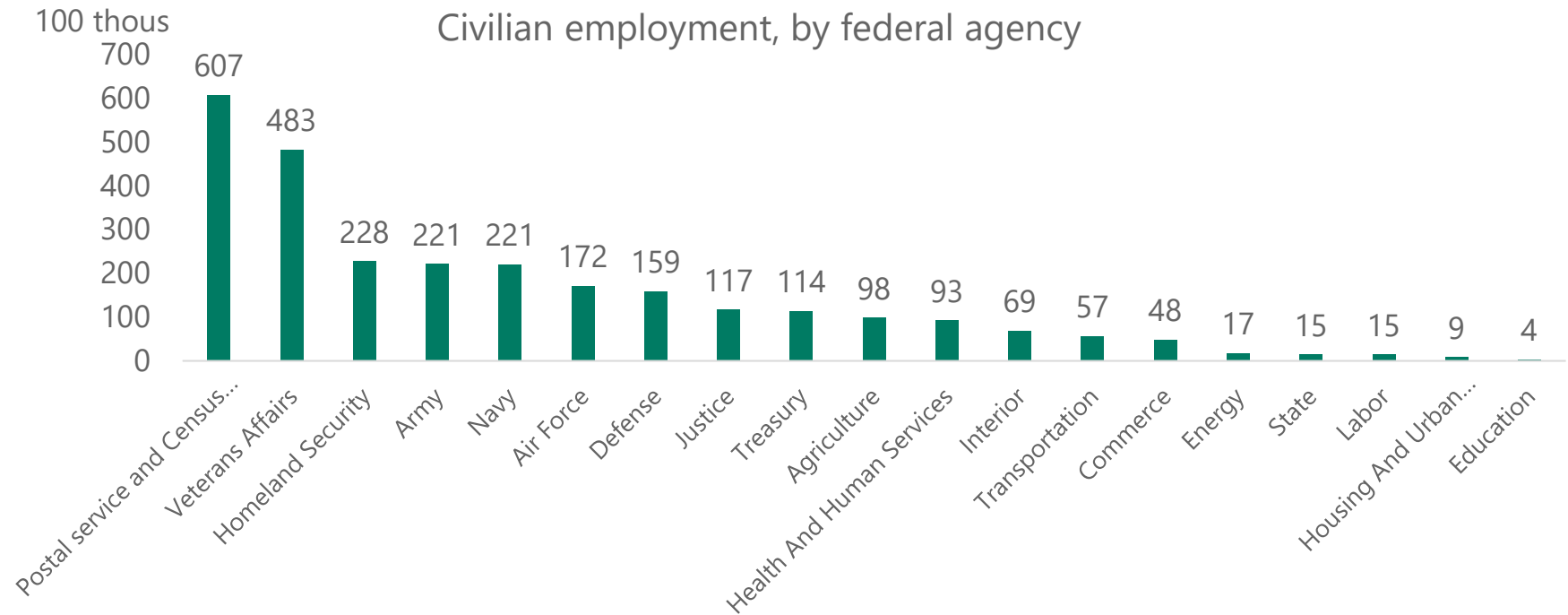
Source: Bloomberg SHOK model, Apollo Chief Economist. Note: Assumptions: \$100bn in DOGE savings resulting in 0.4% reduction in fiscal deficit, 5% appreciation of exchange rate and 0.5% - pt increase in inflation expectations shocks applied in Q1 2025.

85% of federal government workers are outside the DC area

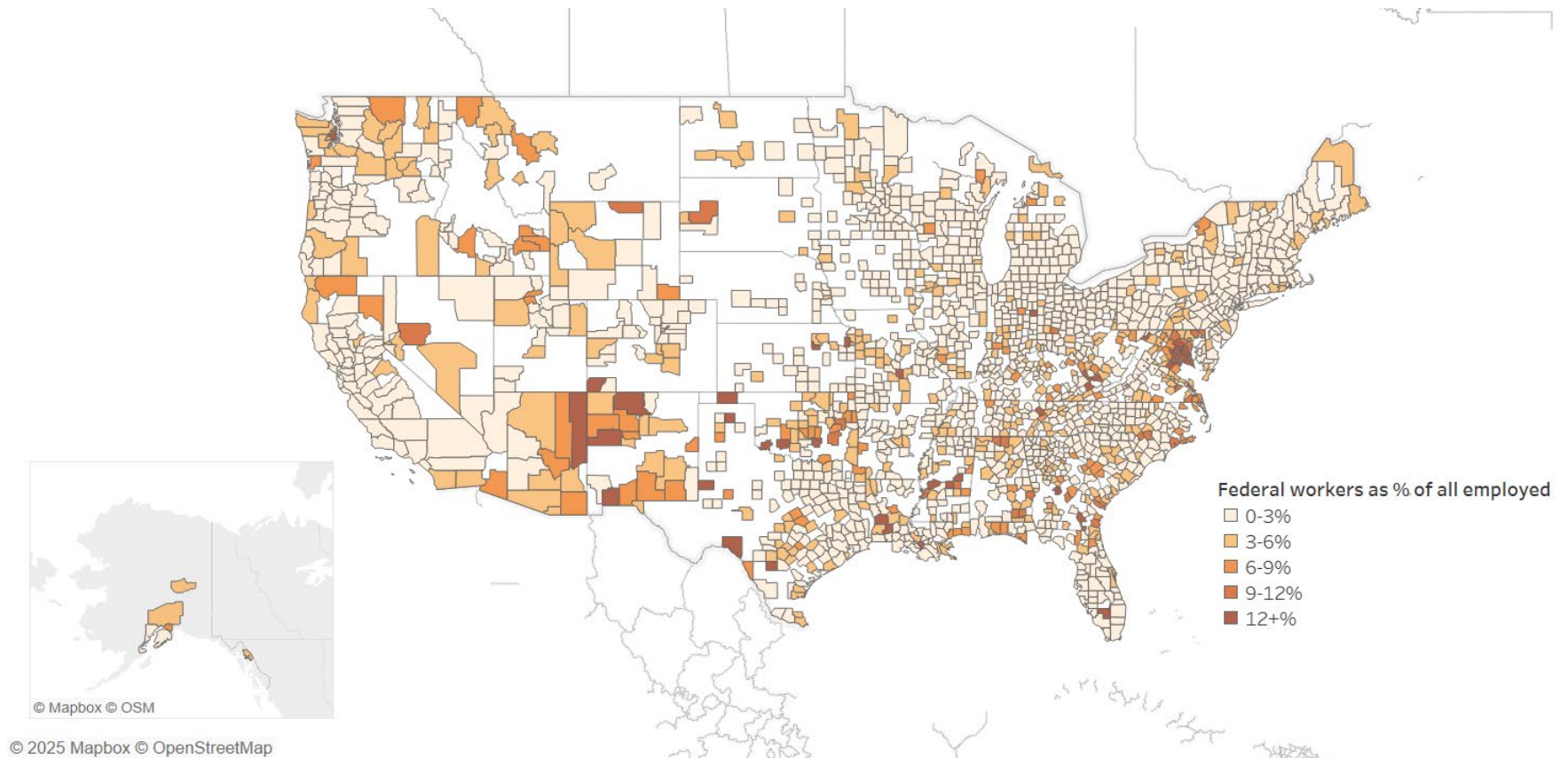


Powered by Bing
© GeoNames, Microsoft, TomTom

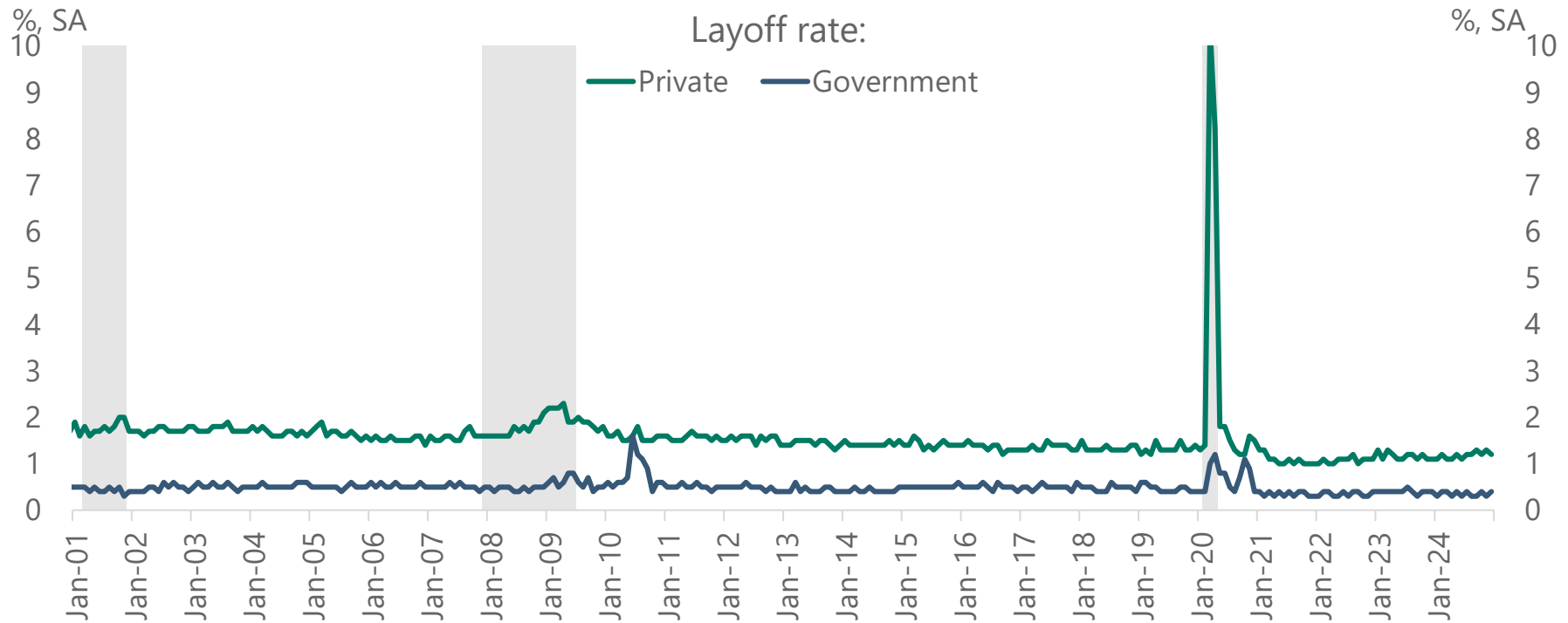
Total employment in different federal agencies



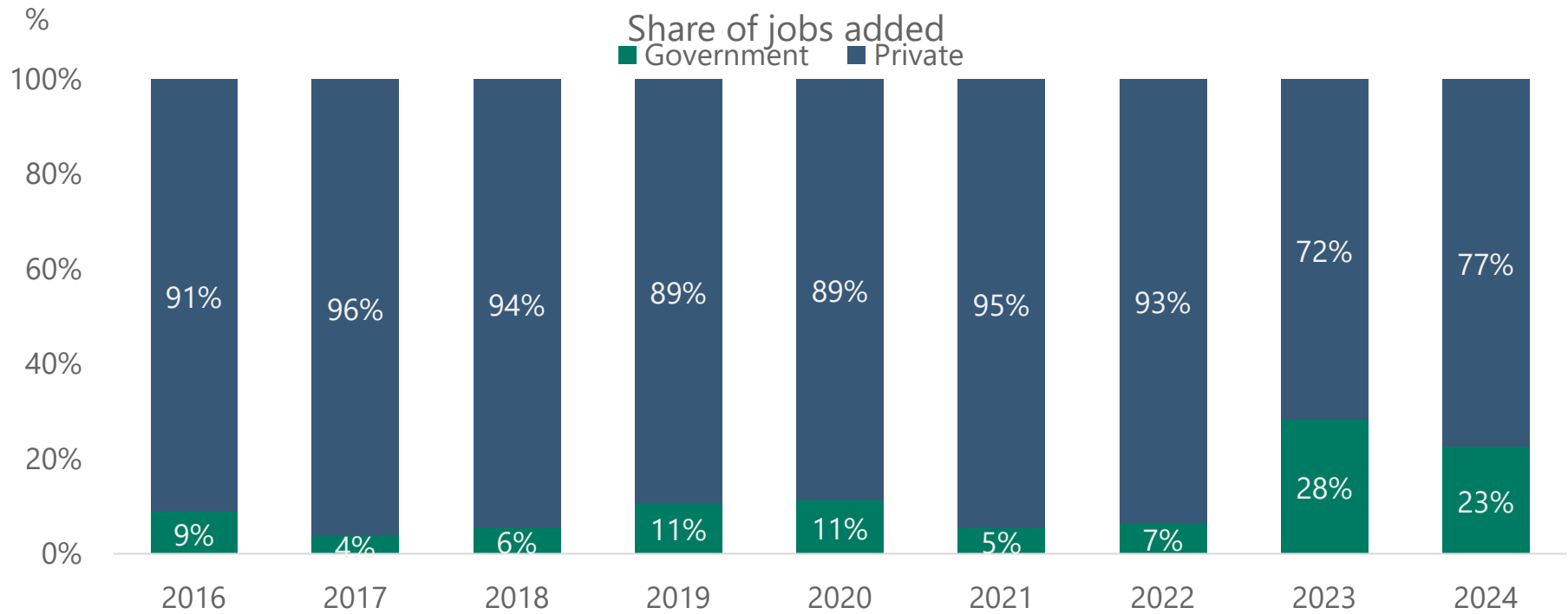
Federal employment as a percentage of total employment, by county



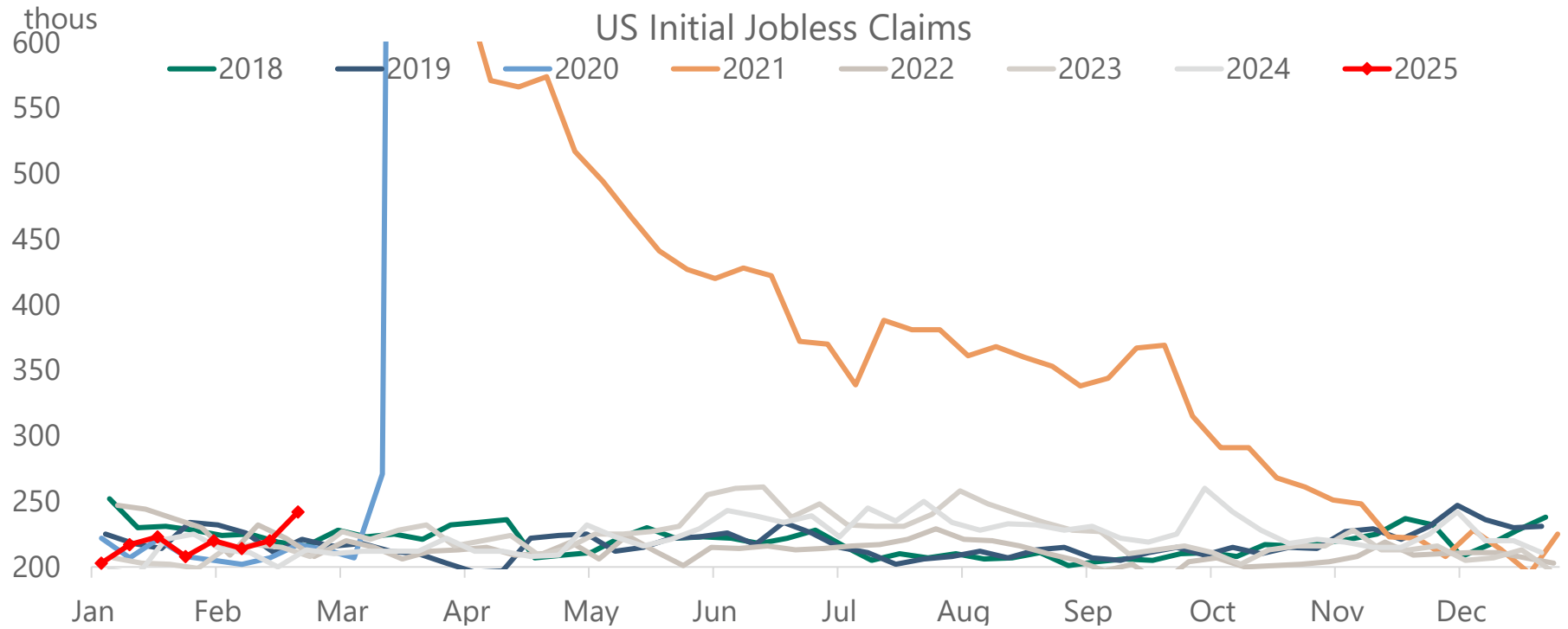
The layoff rate in the government sector is one-third of the private sector layoff rate



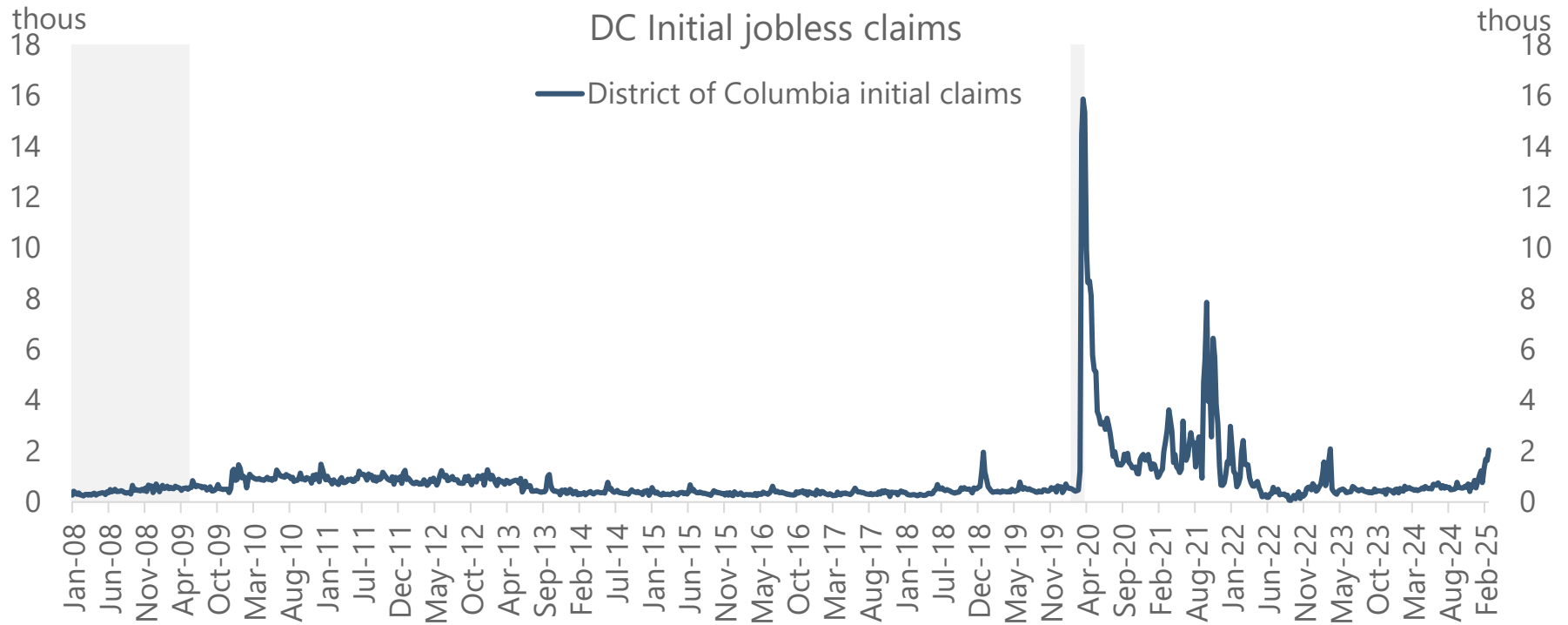
Many government jobs added in 2023 and 2024



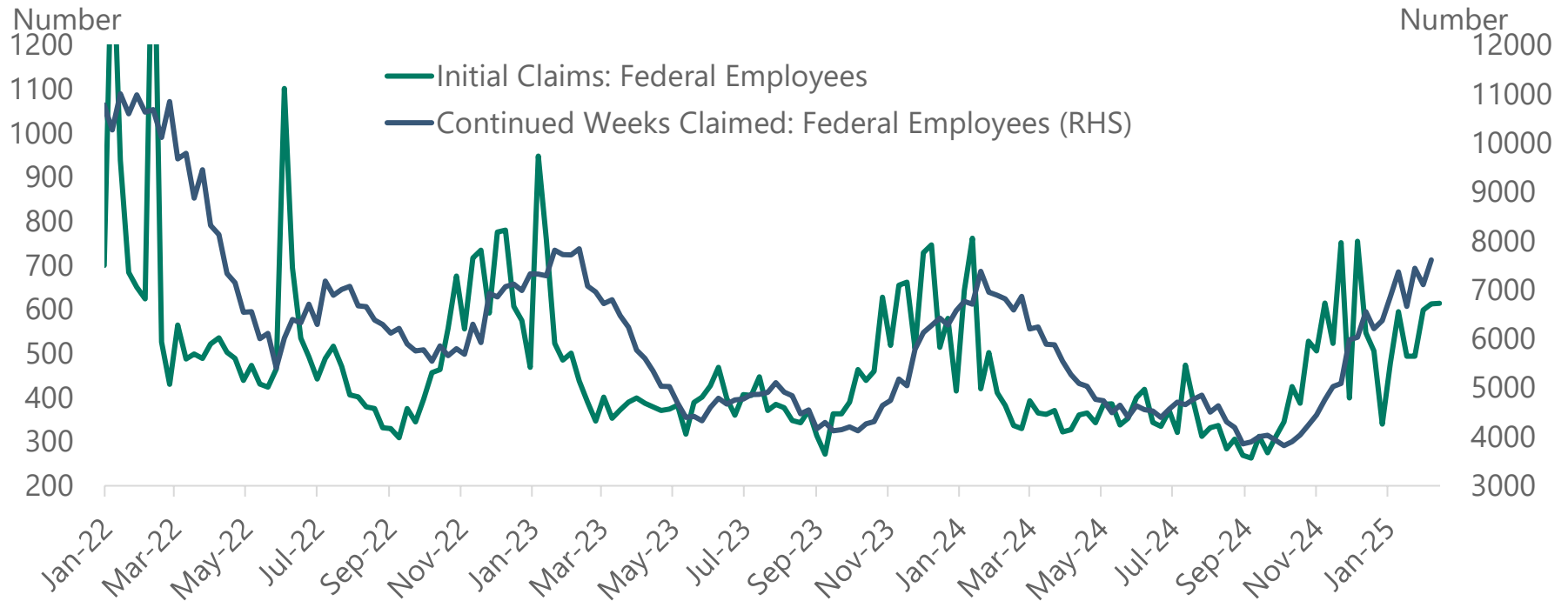
Weekly initial jobless claims has been increasing



Initial jobless claims in Washington, DC



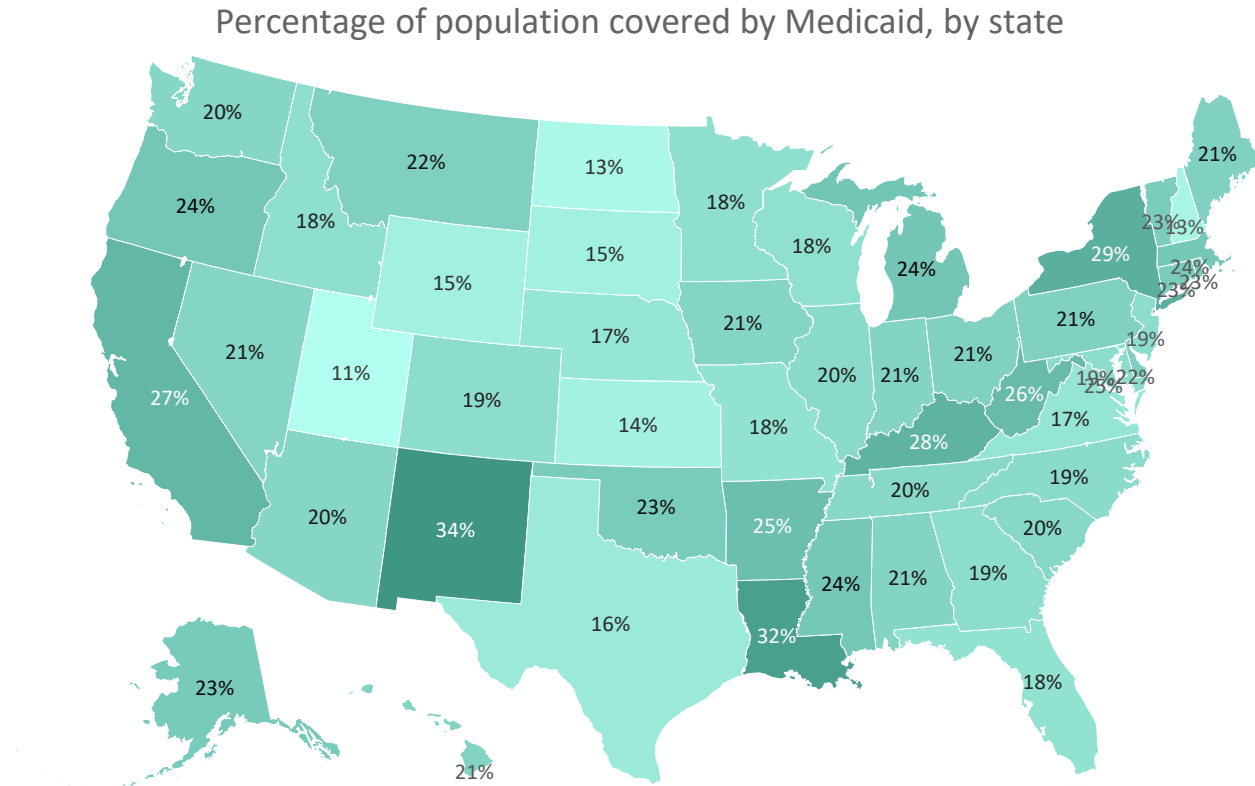
Total initial and continuing jobless claims by federal employees



Tariff timeline

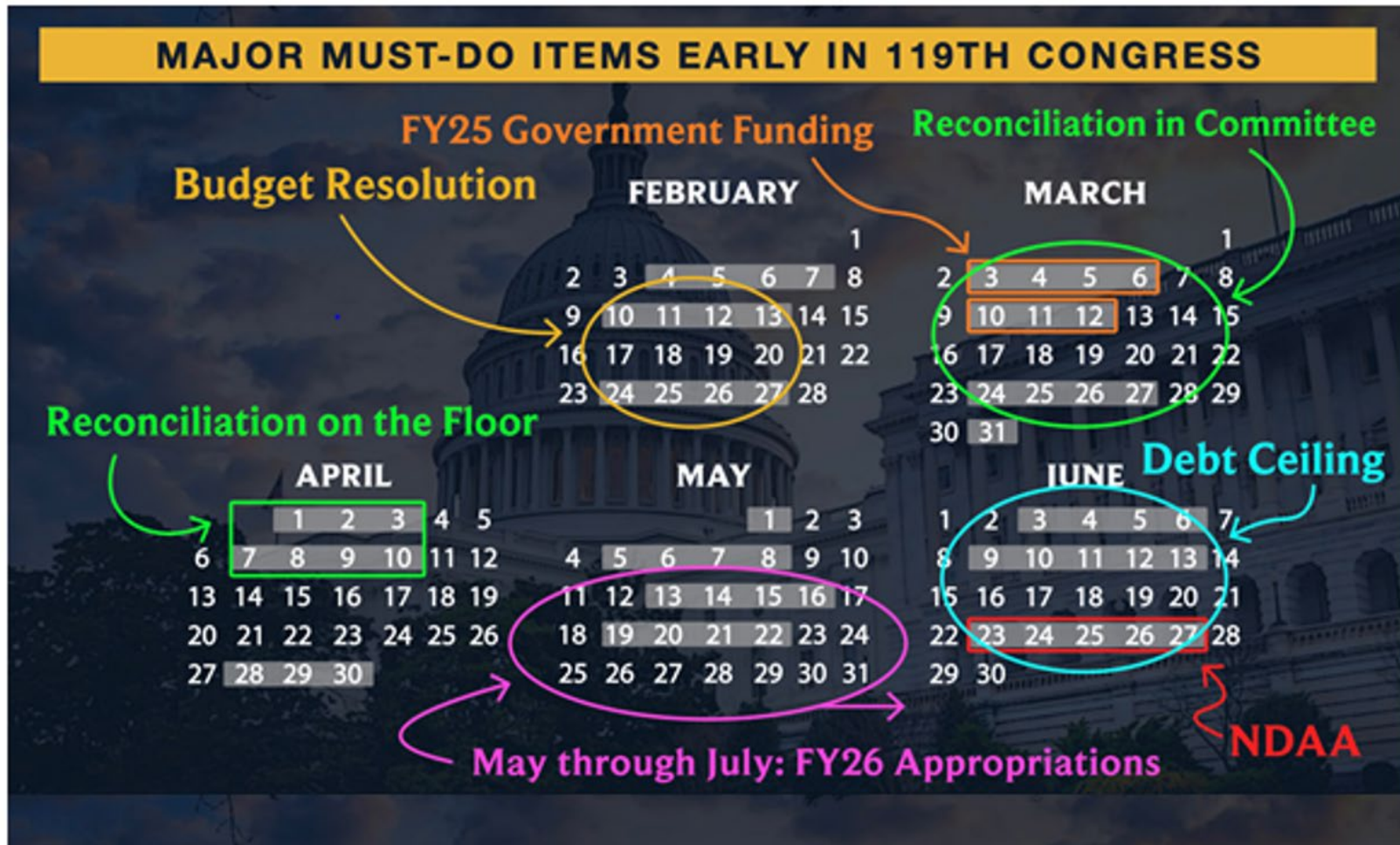
Effective date	Target countries	Tariff rate	Goods targeted
4th Feb 2025			
4th March 2025			
12th March 2025			
2nd April 2025			
2nd April 2025			
2nd April 2025			

Percentage of the population covered by Medicaid



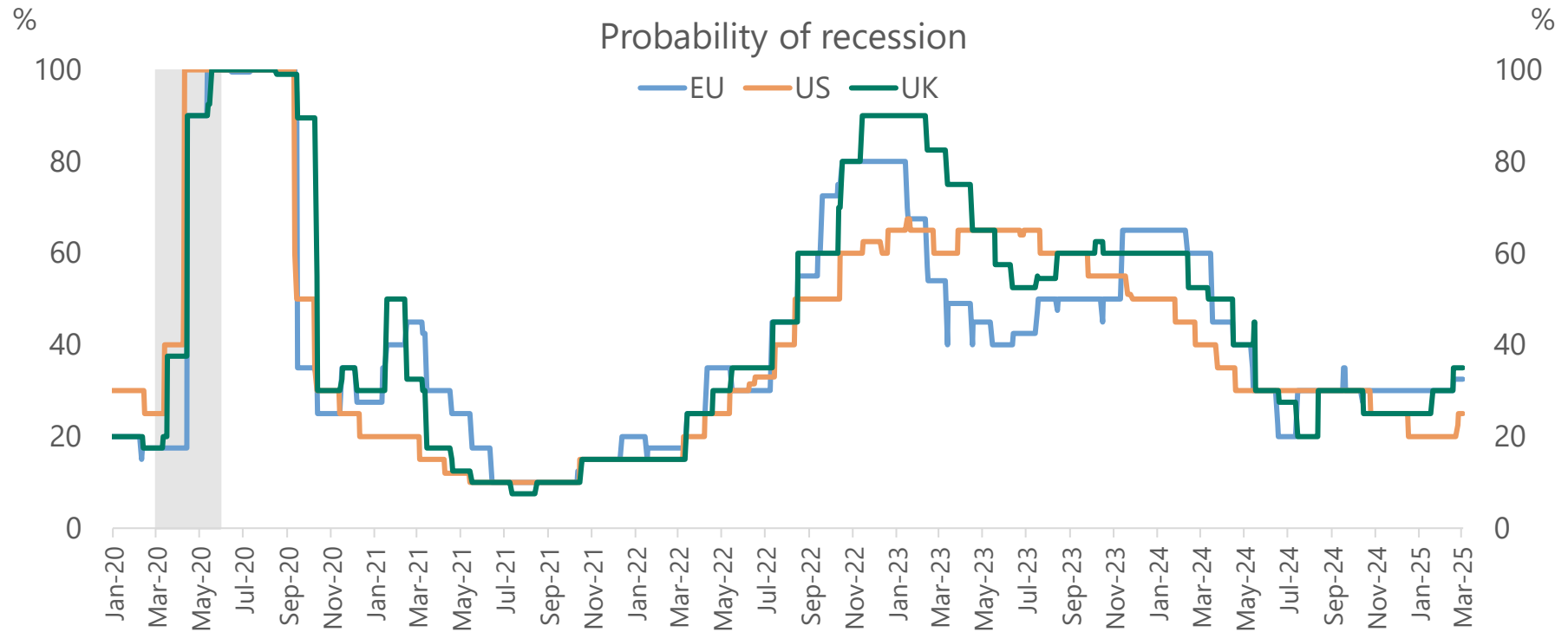
Powered by Bing
© GeoNames, Microsoft, TomTom

H1 2025 legislative calendar for the first session of the 119th Congress



Source: Scalise schedule, Punchbowl News

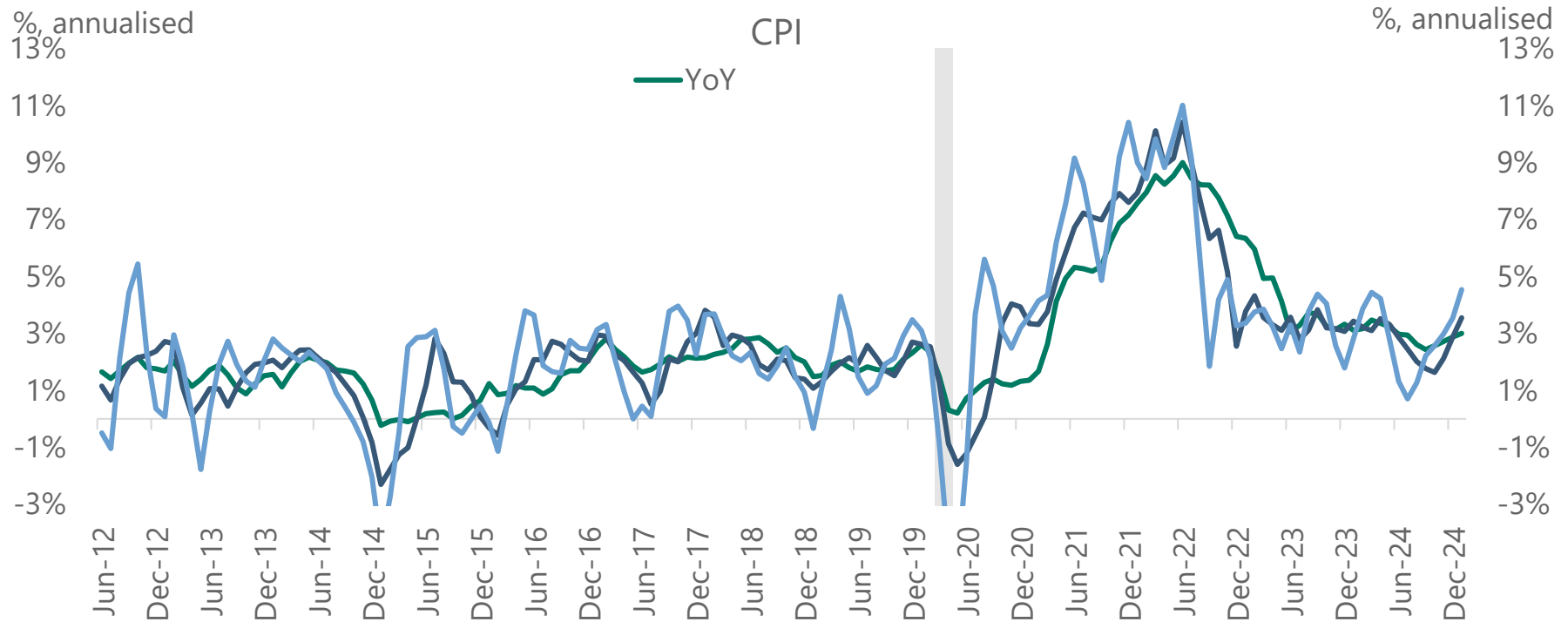
Consensus: Probability of a recession in the US, UK, and Europe starting to move higher



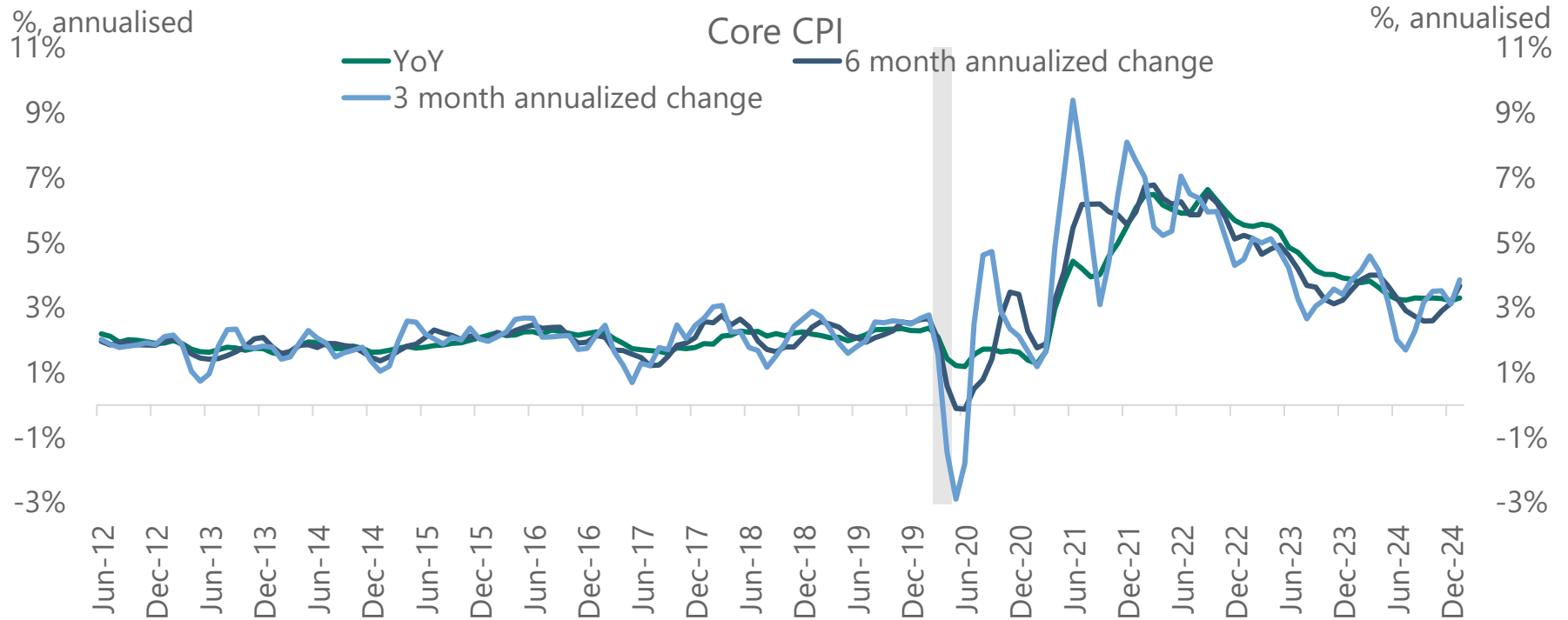
The incoming data



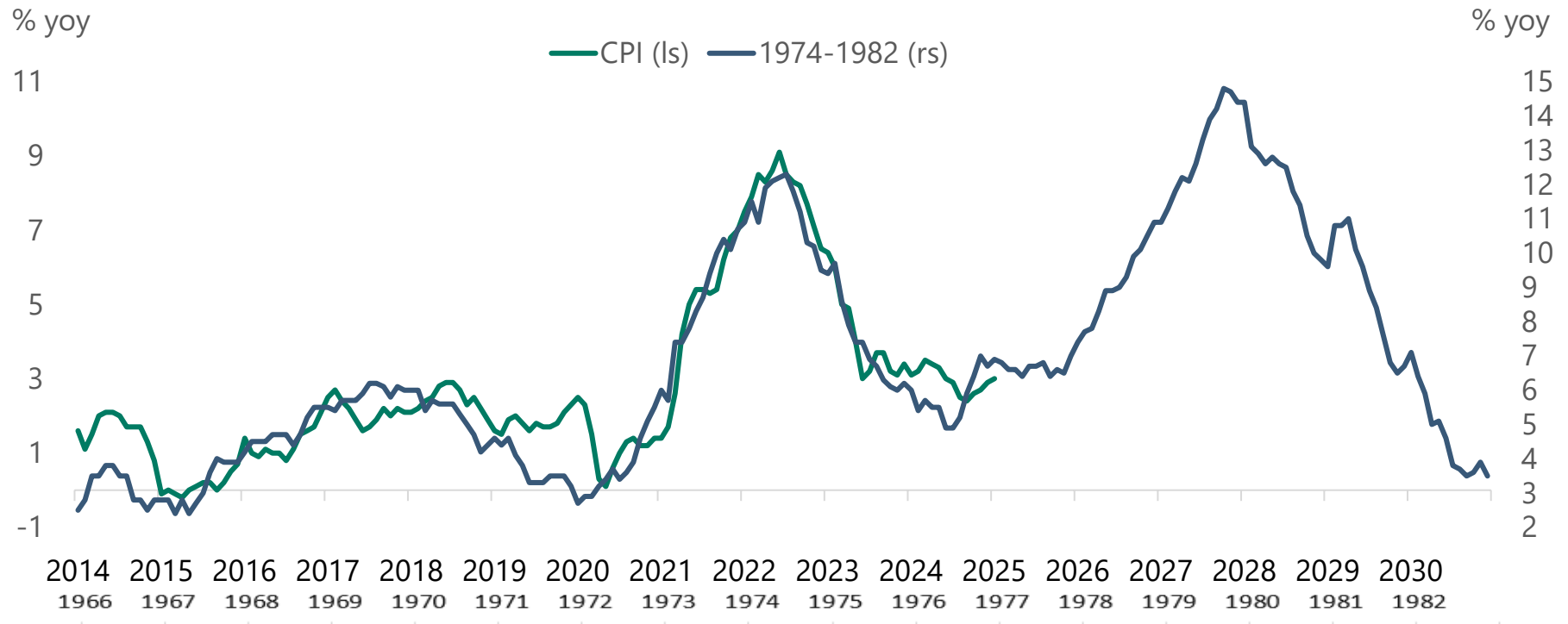
Inflation is moving away from the Fed's 2% inflation target



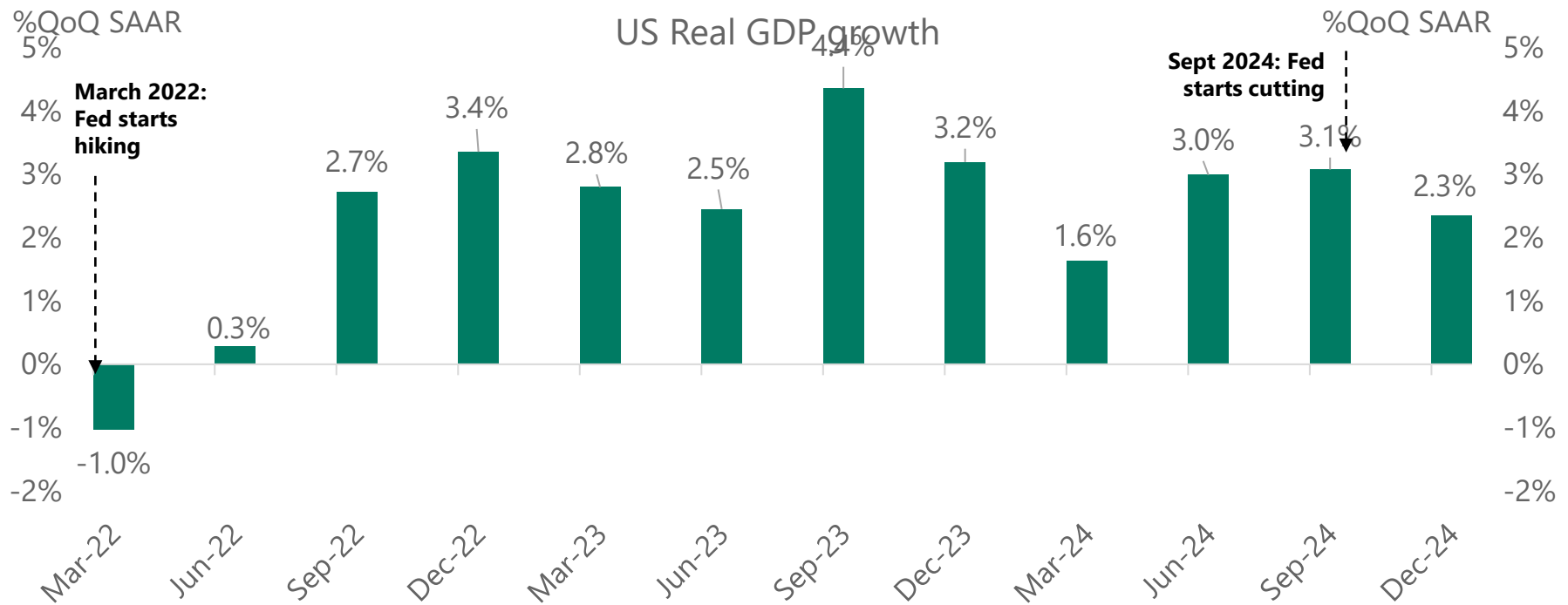
Inflation is moving away from the Fed's 2% inflation target



Inflation: Today vs the 1970s



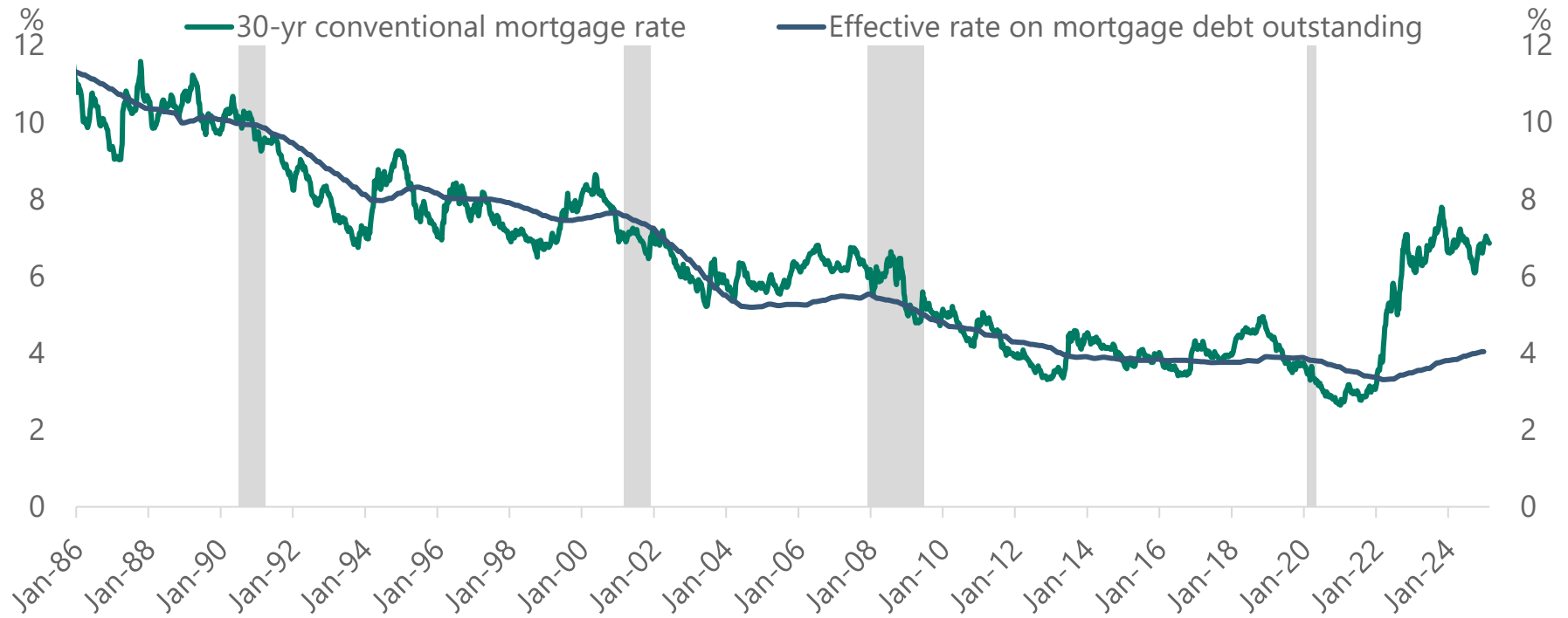
The economy is strong, and interest rates will stay higher for longer



Why is the US economy still strong?

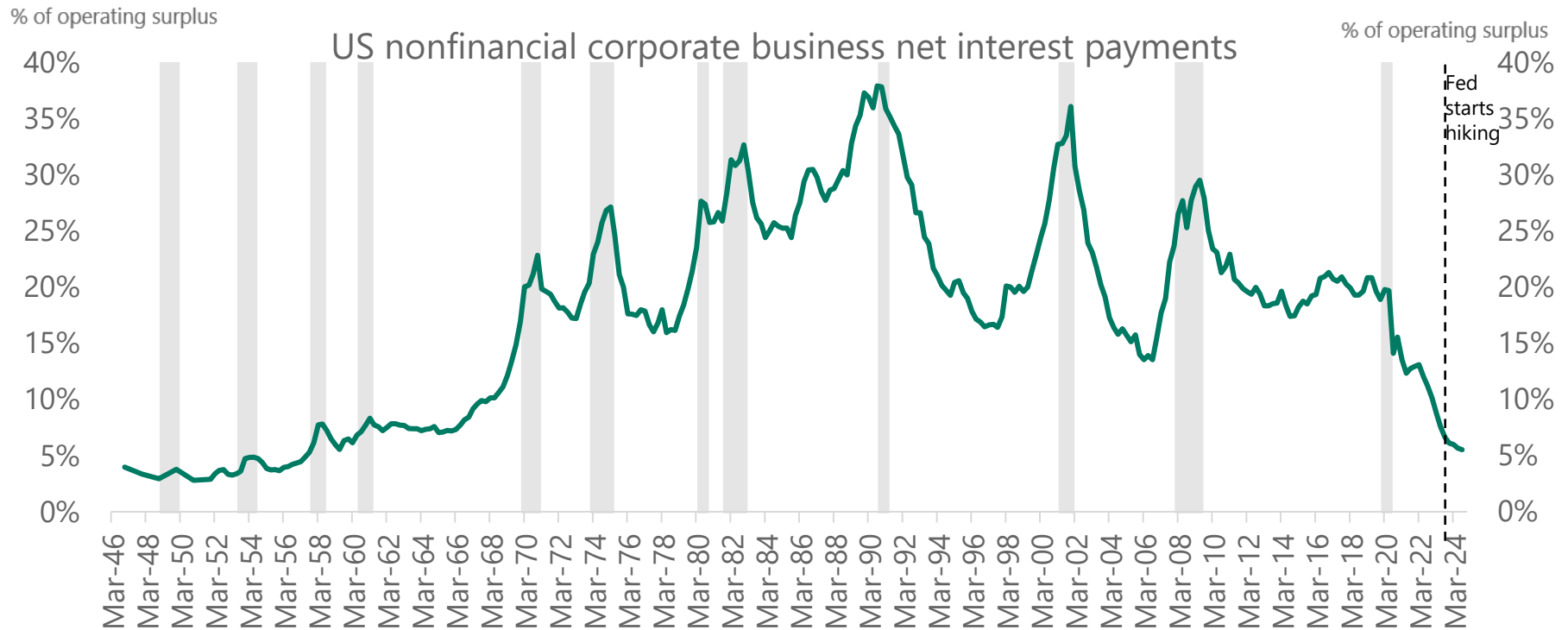
- 1) Consumers and firms locked in low interest rates during the pandemic
- 2) High stock prices, high home prices, high crypto prices, and low credit spreads
- 3) Strong AI/datacenter capex spending
- 4) Strong defense spending
- 5) Fiscal policy is still very supportive for growth via CHIPS Act, IRA, and Infrastructure Act

Effective outstanding mortgage rate is 4%

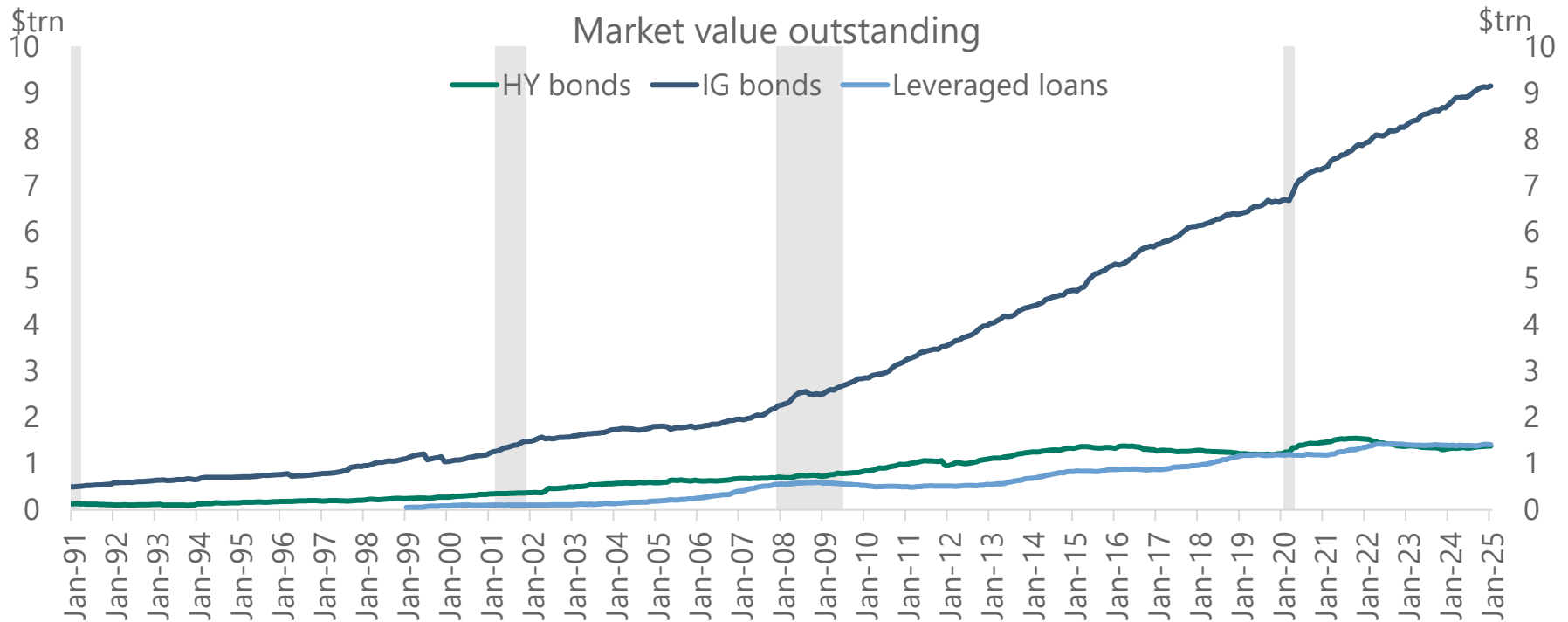


Source: Freddie Mac, BEA, Bloomberg, Apollo Chief Economist. The effective interest rate (%) reflects the amortization of initial fees and charges over a 10-year period, which is the historical assumption of the average life of a mortgage loan.

Nonfinancial corporate business net interest payments near record low levels

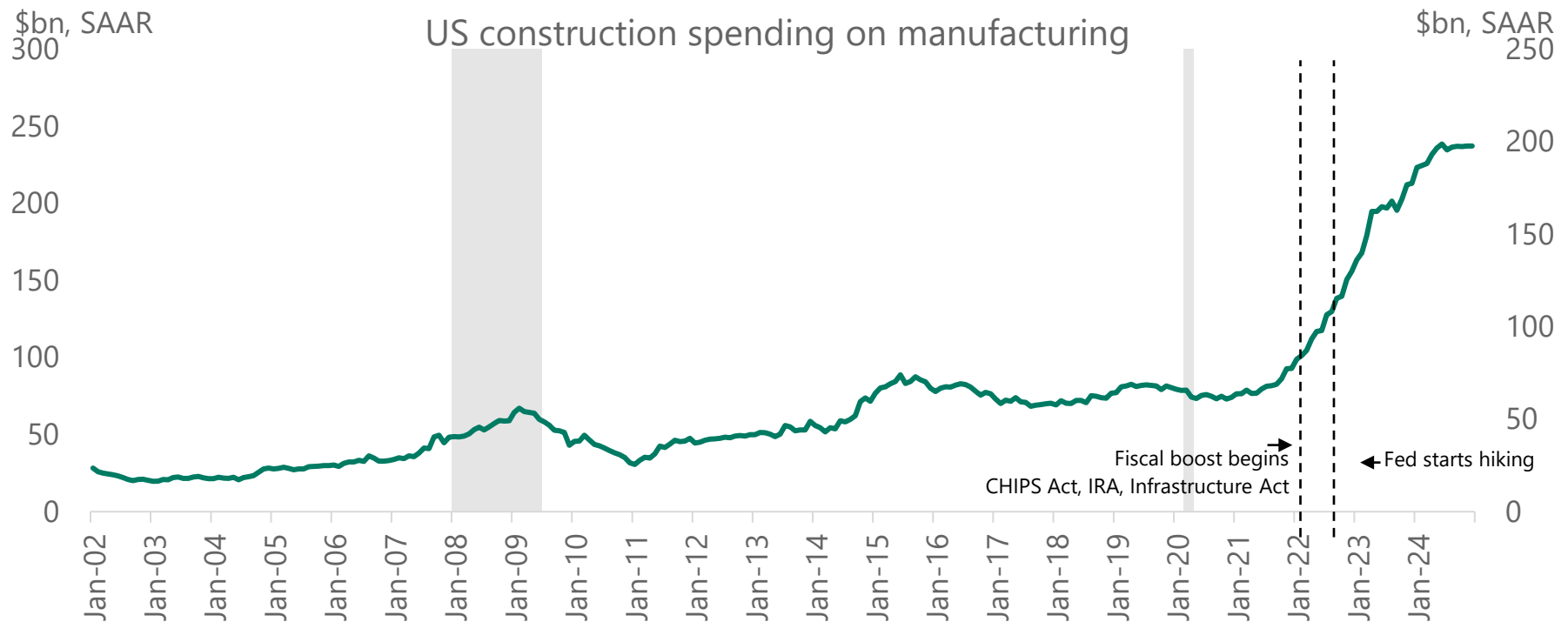


Public IG market has grown from \$3trn in 2010 to \$9trn today



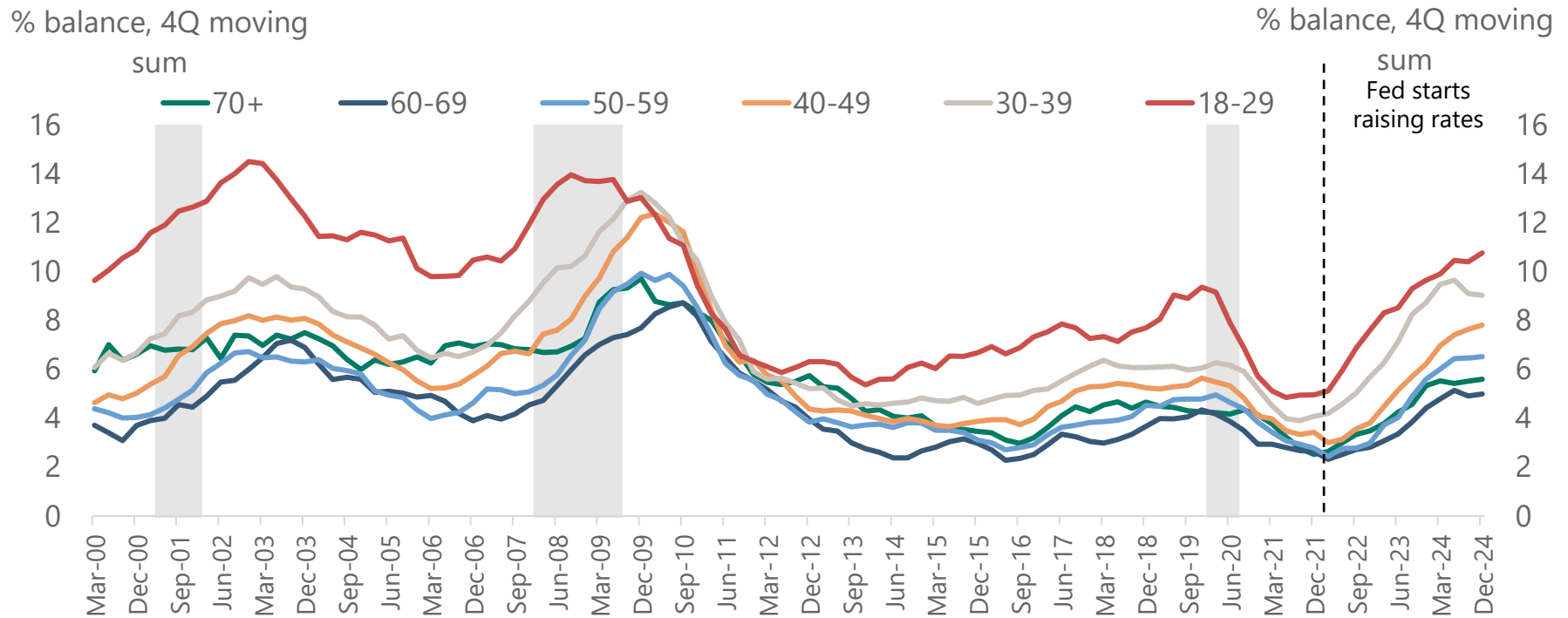
Source: ICE BofA, Bloomberg, Pitchbook LCD, Apollo Chief Economist. Note: Ticker used for HY is H0A0 Index and for IG it is C0A0 Index and for Loans it is SPBDALB Index.

Positive effects of fiscal policy dominating negative effects of Fed hikes

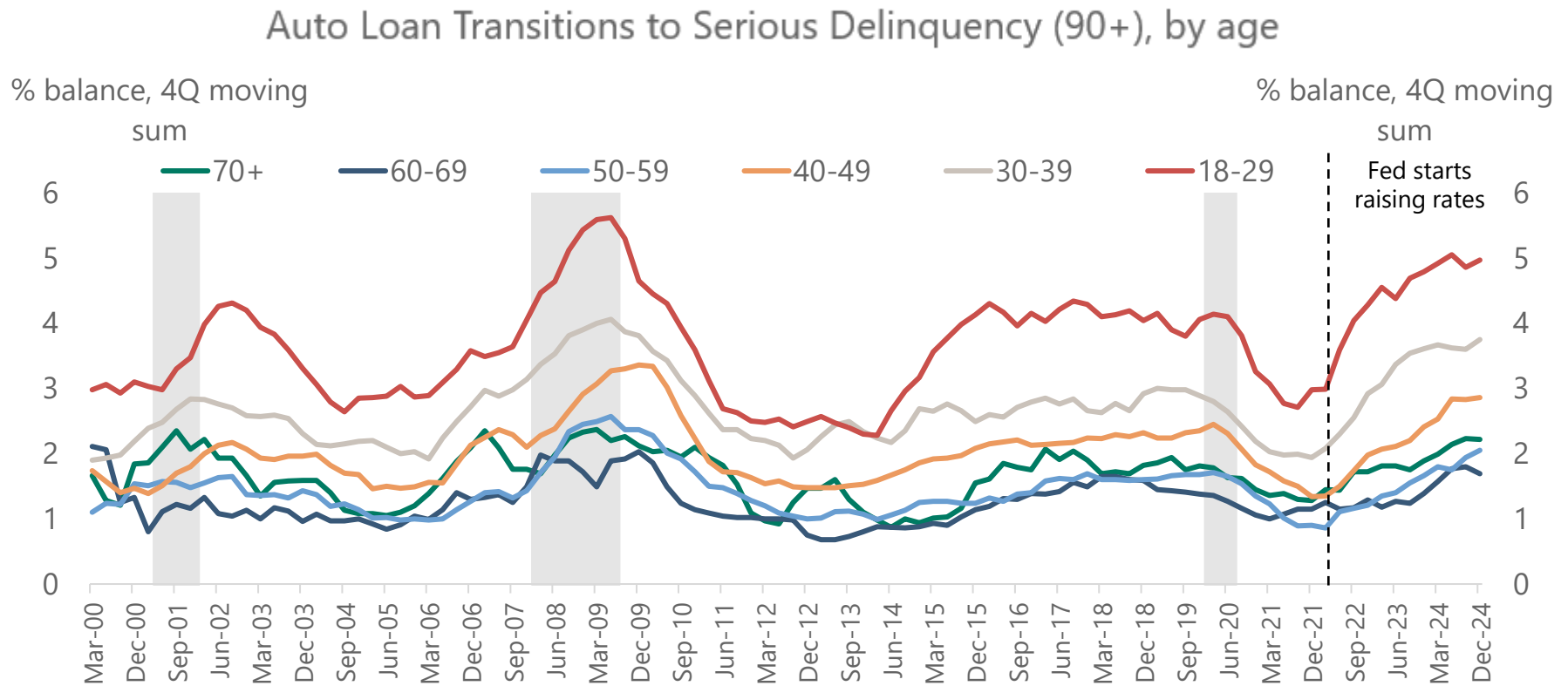


Credit card delinquency rates rising

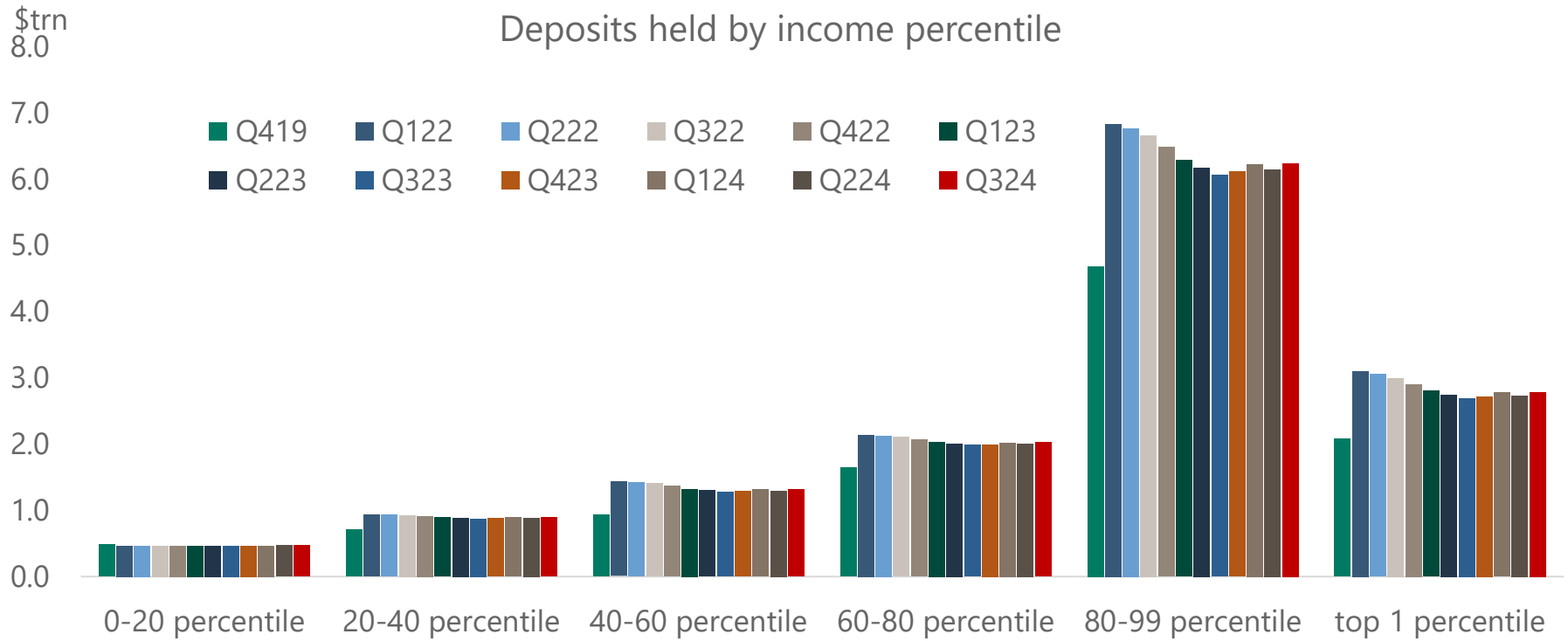
Credit card Transitions to Serious Delinquency (90+), by age



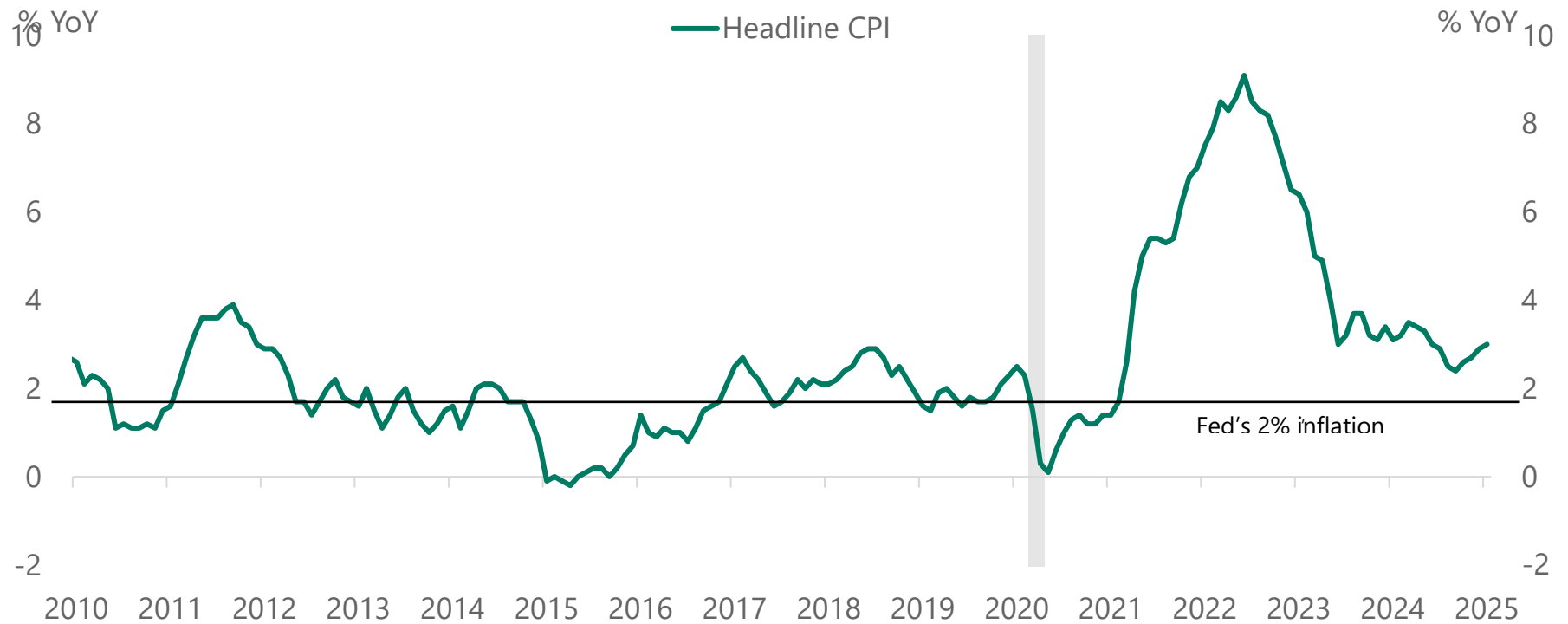
Auto loan delinquency rates rising



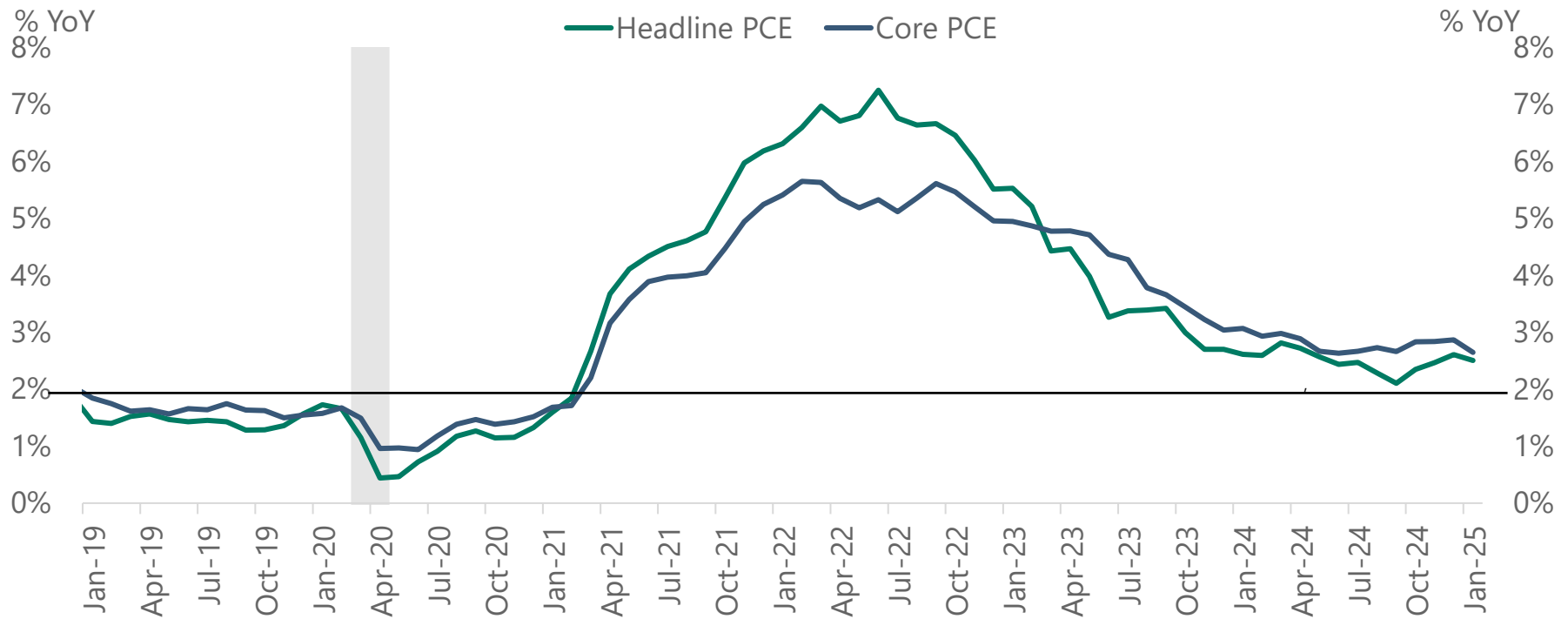
Savings across the income distribution



Inflation not quite yet at the Fed's 2% target



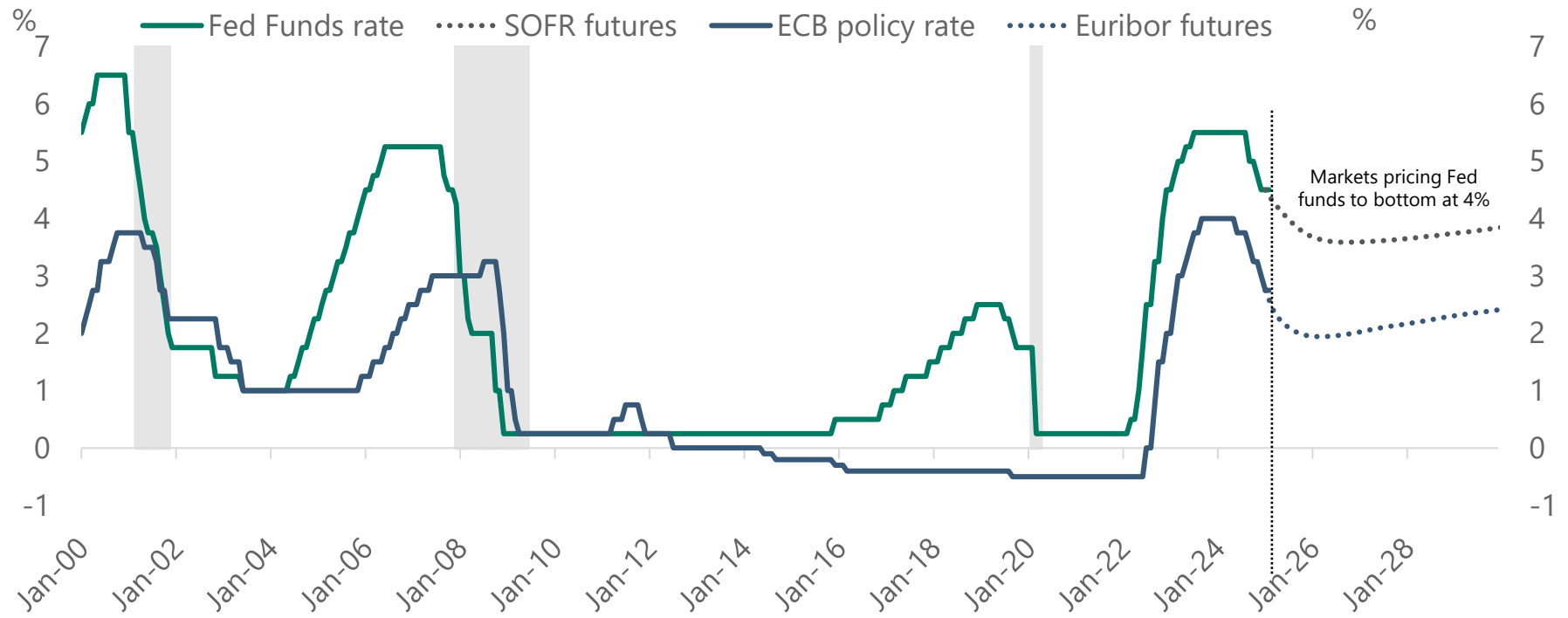
Inflation not quite yet at the Fed's 2% target



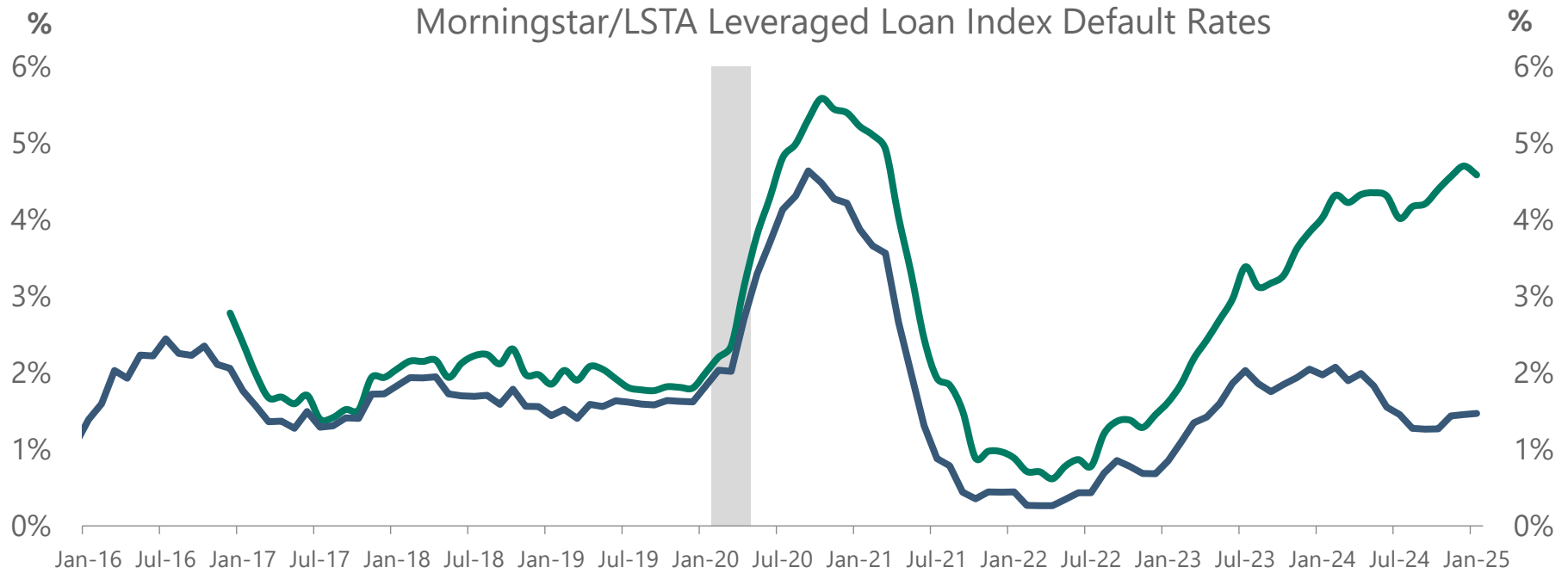
Investment implications



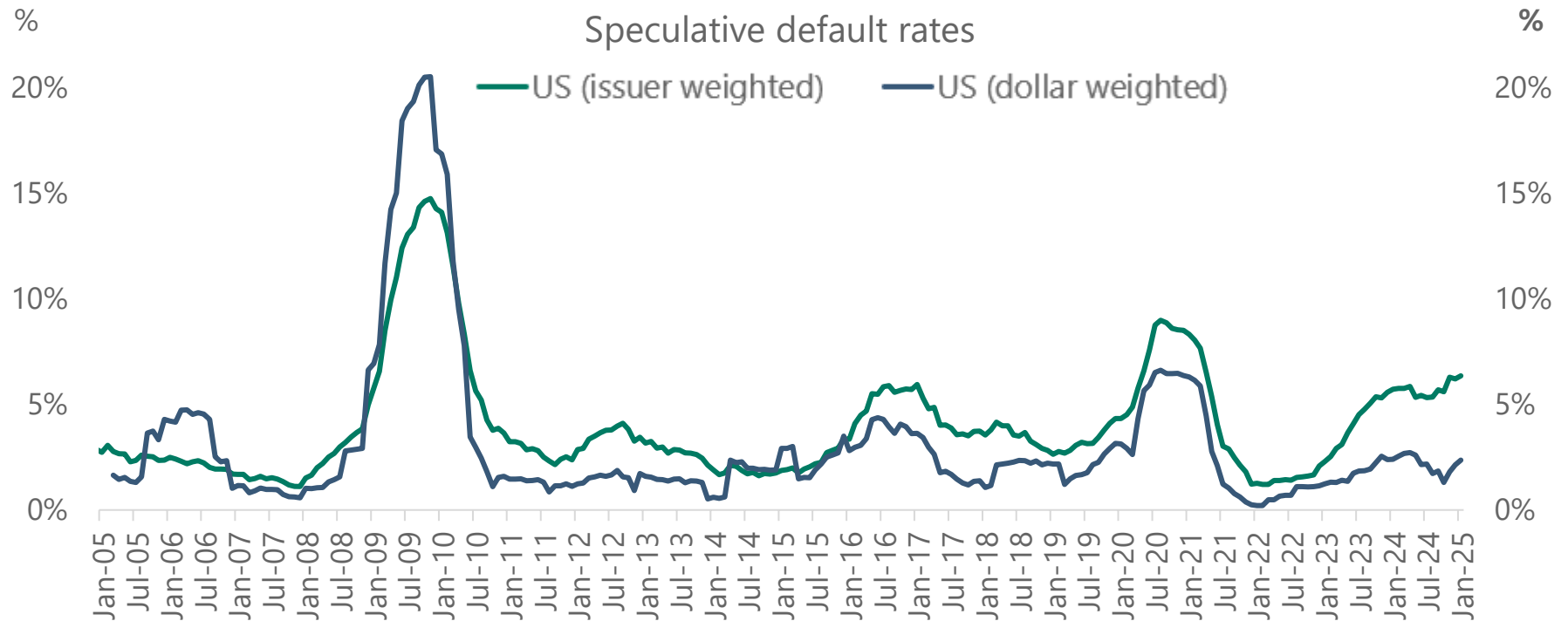
Interest rates will remain permanently higher



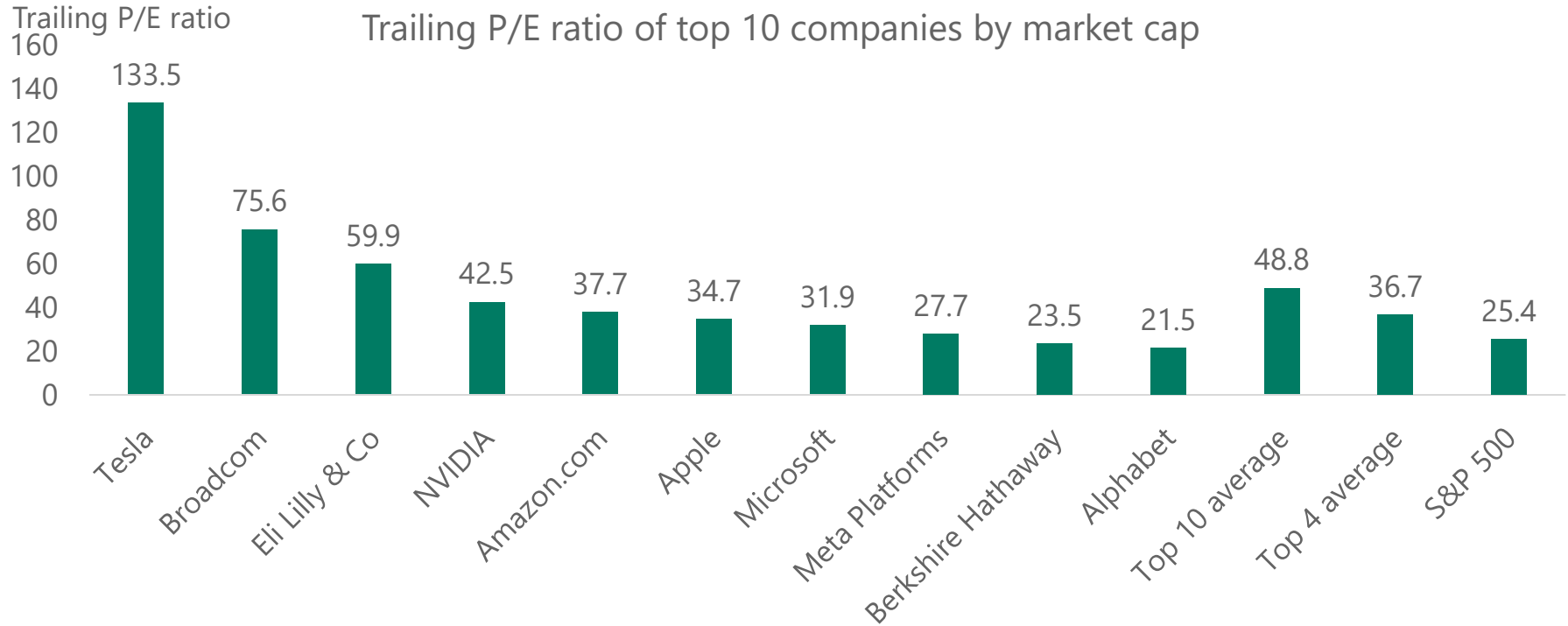
Leveraged loans: Distressed exchanges putting upward pressure on default rates



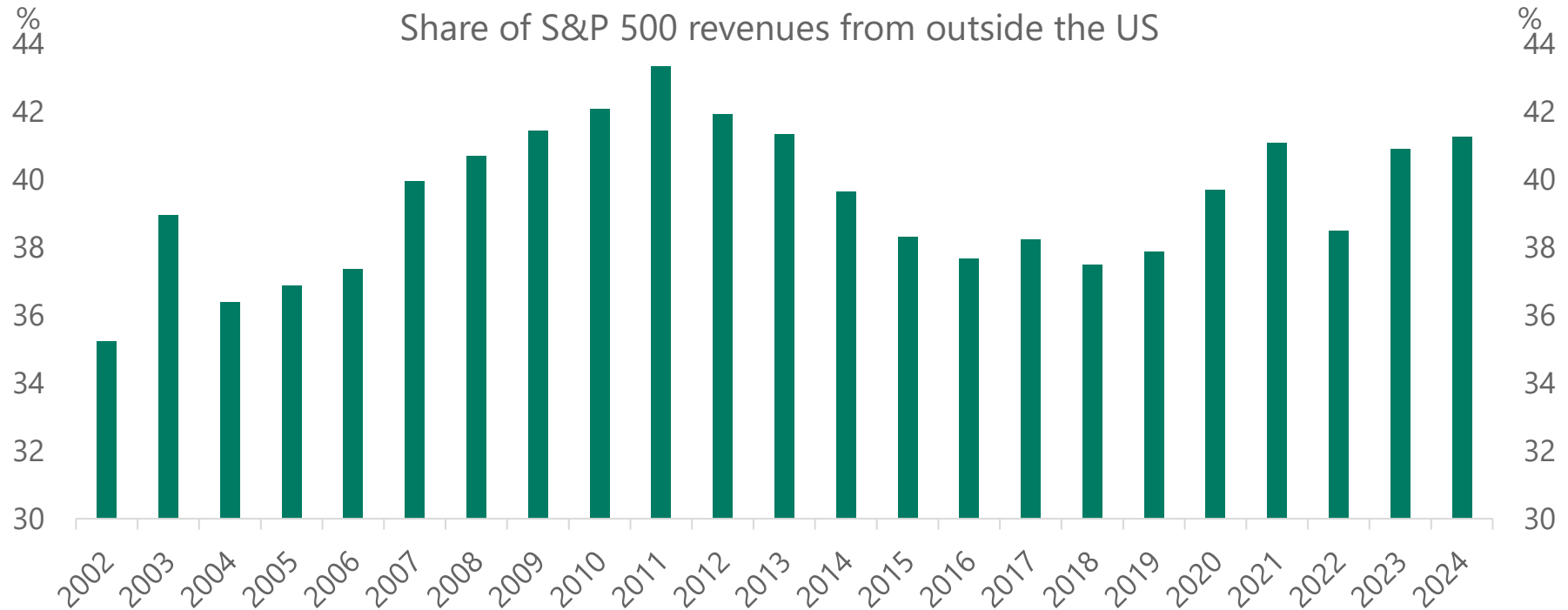
Big difference between issuer weighted and dollar weighted default rates



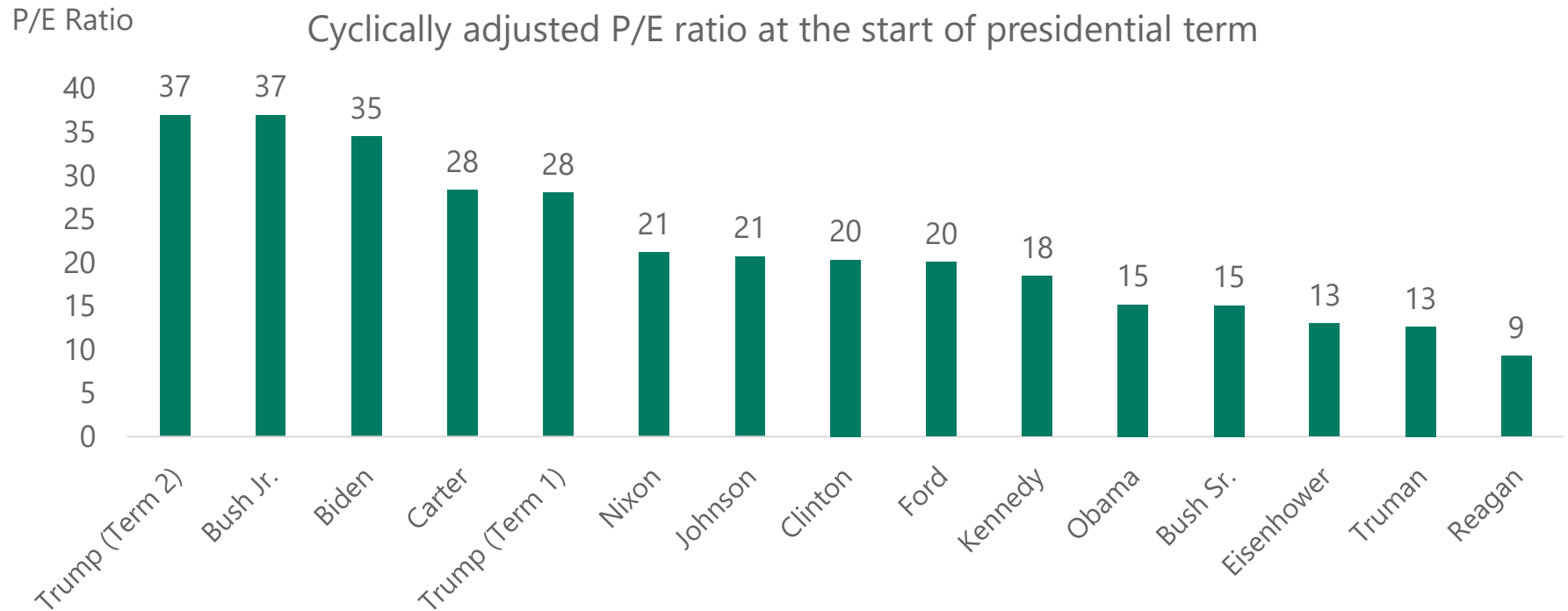
The average P/E ratio of the top 10 companies in the S&P 500 is almost 50



41% of revenue in S&P 500 companies comes from abroad



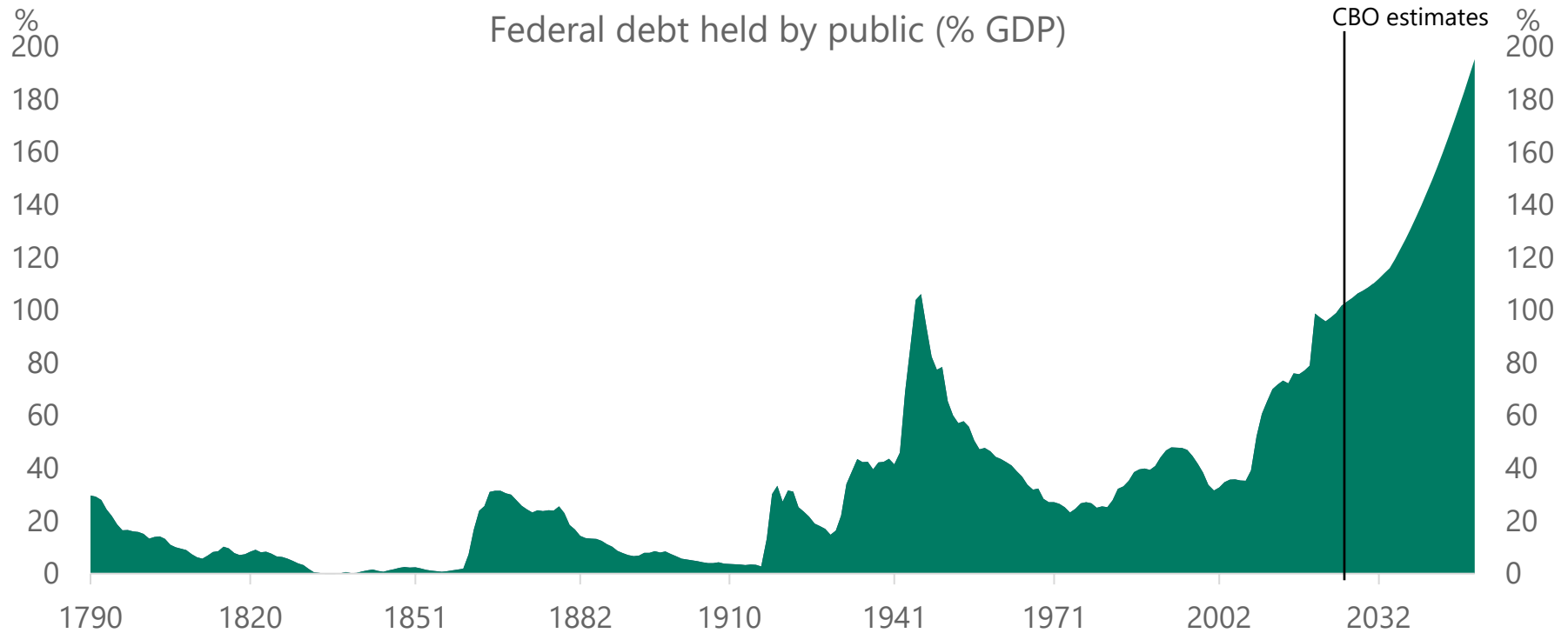
Shiller CAPE at start of Presidency



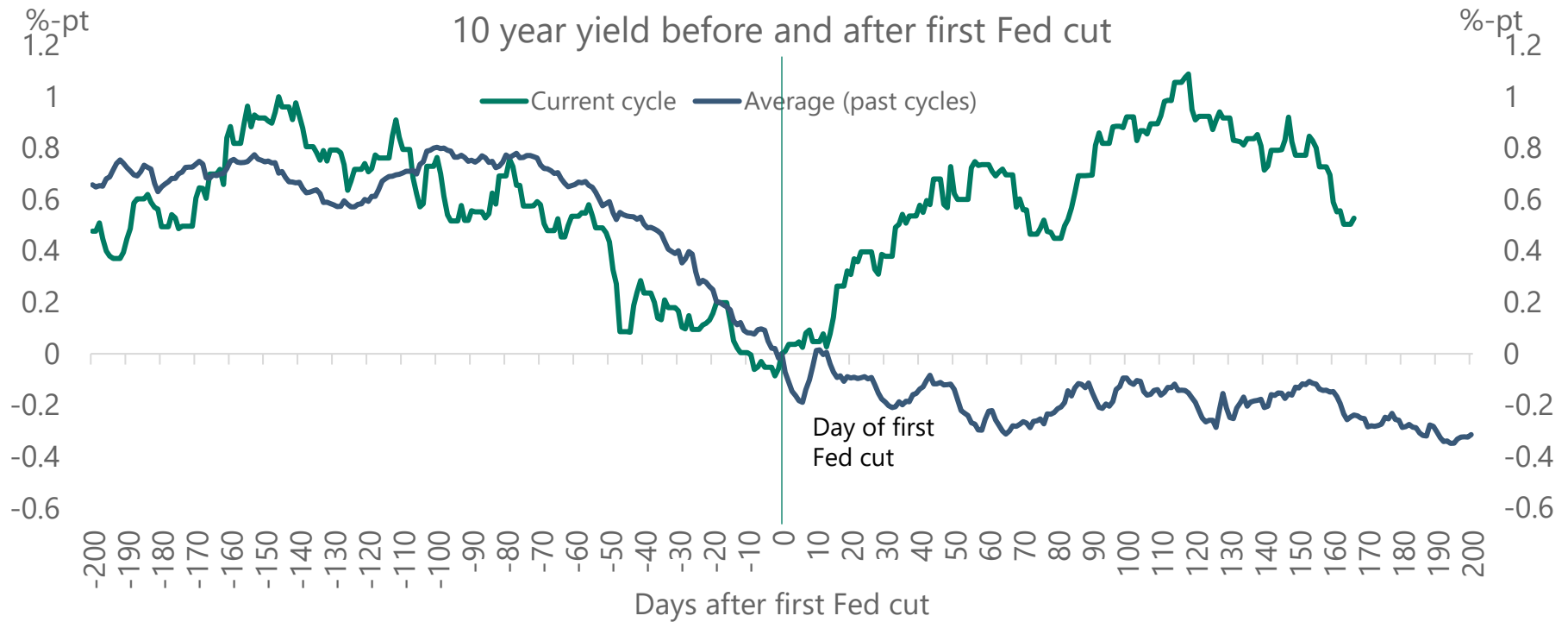
Risks to the outlook:
Geopolitics,
inflation moving up again, and
deficits/debt



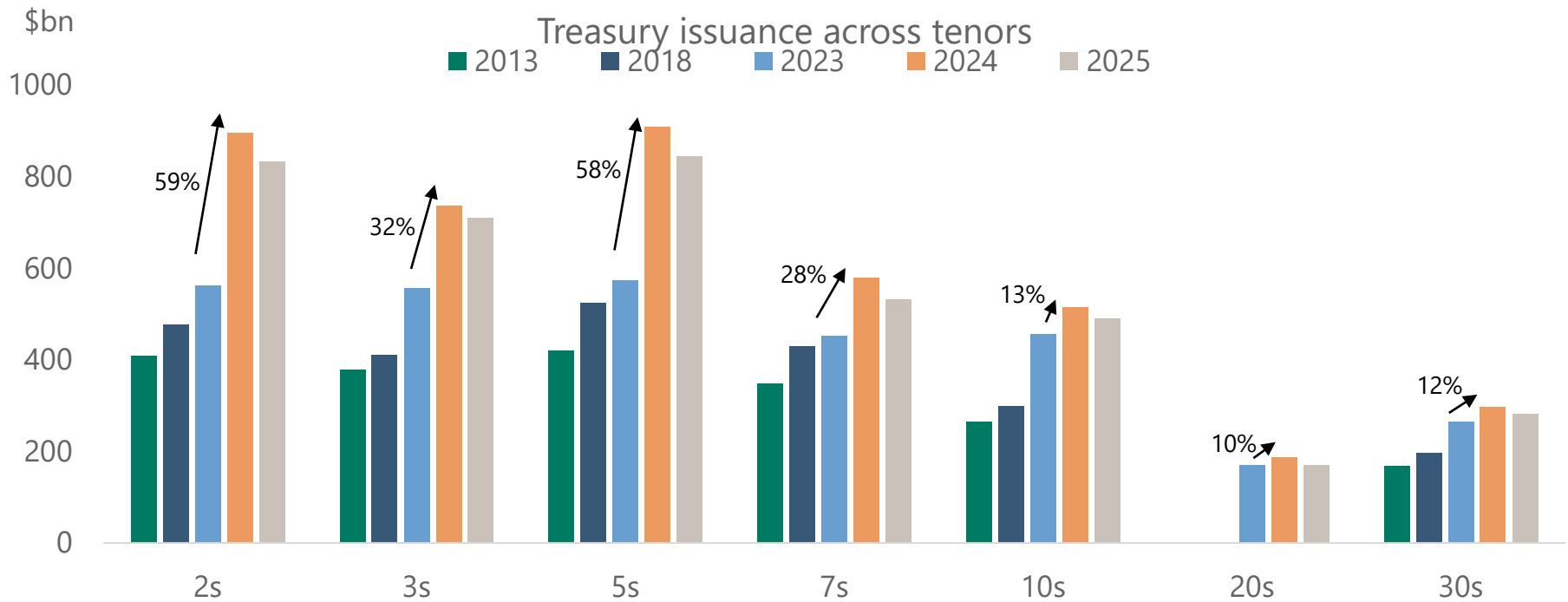
CBO: Under current policies, government debt outstanding will grow from 100% to 200% of GDP



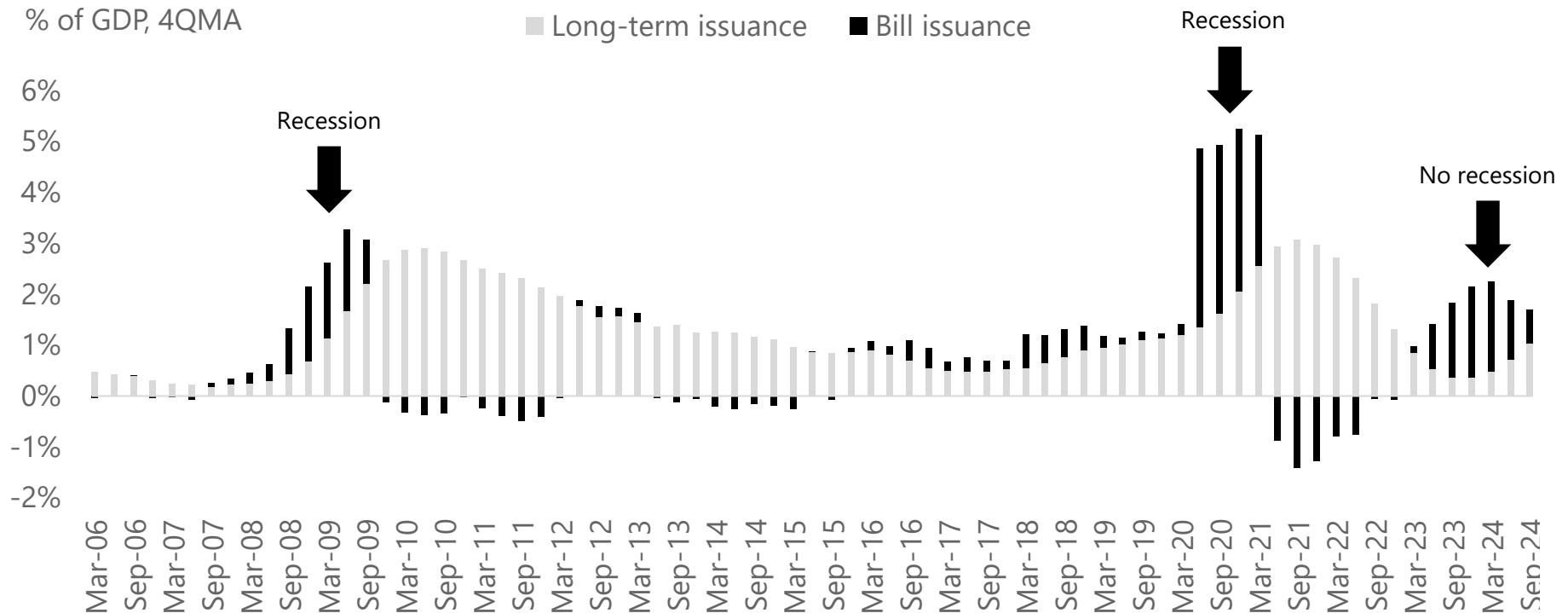
Very unusual behavior in long rates after the Fed started cutting in September 2024



Treasury auction sizes have increased on average 30% across the yield curve in 2024



Normally, the Treasury only issues a lot of T-bills during recessions





Torsten Slok, Ph.D.

Chief Economist

Apollo Global Management

tslok@apollo.com

Torsten Slok joined Apollo in August 2020 as Chief Economist and he leads Apollo's macroeconomic and market analysis across the platform.

Prior to joining, Mr. Slok worked for 15 years as Chief Economist at Deutsche Bank where his team was top ranked in the annual Institutional Investor survey for a decade. Prior to joining Deutsche Bank Mr. Slok worked at the IMF in Washington, DC and at the OECD in Paris.

Mr. Slok has a Ph.D in Economics and has studied at the University of Copenhagen and Princeton University.

Resources:

Penn Wharton Budget Model:

<https://budgetmodel.wharton.upenn.edu/issues/2024/8/26/trump-campaign-policy-proposals-2024>

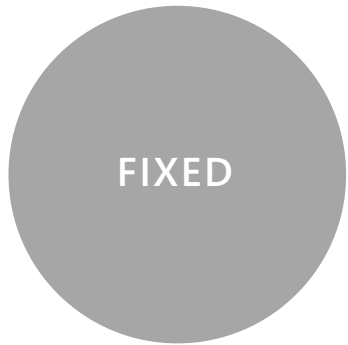
Committee for a Responsible Federal Budget:

<https://www.crfb.org/papers/fiscal-impact-harris-and-trump-campaign-plans>

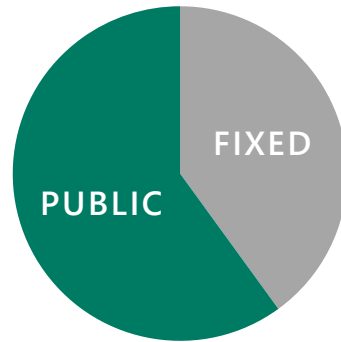
Tax Foundation:

<https://taxfoundation.org/research/all/federal/donald-trump-tax-plan-2024/>

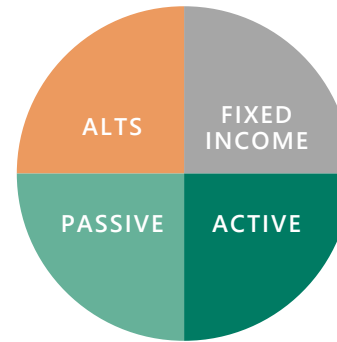
The evolution of asset allocation



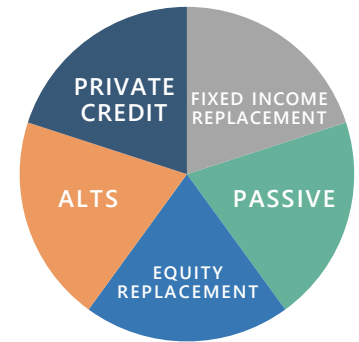
Foundations
1930s–1980



Age of 60/40
1980s–2000



Barbell Portfolio
2001–2020



Replacement
Now

Source: Apollo Chief Economist

Seven questions for investors

- 1)** Total federal employment including contractors is around 10 million, can DOGE-related firings and cuts create a recession? How will markets respond if jobless claims start moving higher?
- 2)** If inflation remains sticky and the Fed doesn't hike, what will happen to long rates and breakevens?
- 3)** What will happen with the debt ceiling in June?
- 4)** With extremely high tech concentration in the S&P 500, what will happen if AI-related earnings disappoint? Or if DeepSeek gets even better?
- 5)** Who will be the next Fed Chair when Powell's term ends in May 2026, and what are the implications for markets?
- 6)** The stock of T-bills outstanding is high as a share of total government debt, will a quarterly refunding announcement later this year increase issuance of coupons, and if yes, what does that mean for long rates?
- 7)** What type of sudden events can happen as a result of more and more segmentation in global trade, tech, and security?

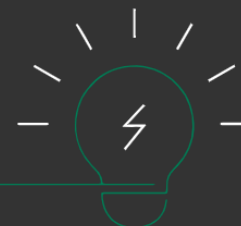
APOLLO

ACADEMY

[The Academy](#)[Upcoming Events](#)[Learning Center](#)[Alternative Perspectives](#)[The Daily Spark](#)[HOME](#) > [THE DAILY SPARK](#)

The Daily Spark

with Dr. Torsten Sløk



Want it delivered daily to your inbox?

SUBSCRIBE NOW

Source: Apollo Chief Economist

Guest Speaker: Geopolitics

Tom Nides
Vice Chairman
Strategy & Client
Relations

Blackstone



Guest Speaker: Geopolitics

Tom Nides | Blackstone



Thomas R. Nides is a Vice Chairman, Strategy and Client Relations at Blackstone. He supports a variety of strategic firmwide initiatives, special projects and focus on senior client relationships globally.

Before joining Blackstone, Mr. Nides served as the United States' Ambassador to Israel from 2021 to 2023. Prior to that, he spent over a decade at Morgan Stanley in various capacities including Chief Operating Officer and Vice Chairman. Nides was appointed Deputy Secretary of State and Chief Operating Officer of the U.S. State Department by President Barack Obama and was awarded the nation's highest diplomatic honor by Secretary of State Hillary Clinton for his service. He has also previously been a senior leader at Credit Suisse, Fannie Mae, the Office of the U.S. Trade Representative, and on Capitol Hill.

Nides currently serves on the boards of the Partnership for Public Service, the International Rescue Committee, and the Center for Strategic and International Studies (CSIS). He formerly served as chairman of the board of the Woodrow Wilson Center. He received his B.A. from the University of Minnesota.

Break
10:15 – 10:30



Guest Speaker: Data Centers

Matt A'Hearn
Head
Digital Infrastructure

Blue Owl



Guest Speaker: Data Centers

Matt A'Hearn | Blue Owl



Matt A'Hearn newly joins Blue Owl as Head of Digital Infrastructure after the strategic acquisition of IPI Partners. Under Matt's leadership as the Managing Partner of IPI, they built one of the largest privately held data center portfolios in the world, with more than 80 operational and under-construction facilities across 29 markets in North America, Europe, and APAC.

Matt has 25 years of experience in the Digital Real Asset space. Immediately prior to IPI, he headed the global investment banking practice in the communications infrastructure sector at Moelis & Company.

Before joining Moelis, Matt was a Principal in the investment banking group at Bank of America Merrill Lynch where he advised corporate and private equity clients.

Earlier in his career, he held roles in the investment banking groups at UBS and Donaldson, Lufkin & Jenrette.

Matt earned a BS in Finance and International Business from the Kelley School of Business at Indiana University.

Data Center Industry and Opportunity Overview

Blue Owl Digital Infrastructure

Matt A'Hearn, Head of Digital Infrastructure



Blue Owl Capital Overview

Blue Owl is a leading asset manager that is redefining alternatives

Anchored by a strong permanent capital base, we provide businesses with private capital solutions that can drive long-term growth – and offer investors differentiated investment opportunities that aim to deliver strong performance, risk-adjusted returns, and capital preservation

1. A security rating is not a recommendation to buy, sell or hold securities and may be subject to revision or withdrawal at any time. For complete ratings definitions, please visit www.standardandpoors.com, and www.fitchratings.com
2. Total assets under management ("AUM") includes the acquisition of IPI Partners' business that closed on January 3, 2025; all other AUM information is as of December 31, 2024.

A solutions provider

Credit

Our Credit platform serves as a financing partner of choice for private companies, leveraging the expertise across both our direct lending and alternative credit investing capabilities

GP Strategic Capital

Our GP Strategic Capital platform has been at the forefront of providing innovative long-term minority equity and financing solutions for more than a decade

Real Assets

Our Real Assets platform is a leader in investing, offering flexible capital solutions to tenants, borrowers, and hyperscalers across asset classes and geographies



\$265.3B
AUM²

NYSE:
OWL

BBB+ / BBB
From Fitch / S&P¹

Over
1,100
employees

Headquartered in
New York
with 20+ other offices

We Believe Blue Owl is a Leading Global Investment Manager in Digital Infrastructure



Hyperscale Focus

Since inception, Blue Owl Digital Infrastructure's focus has been on partnering with leading technology companies and hyperscalers

We believe Blue Owl Digital Infrastructure has become a trusted partner in solving real estate and infrastructure needs derived from technology growth

Global Execution

Successful execution via vertically integrated approach including local operations and development capabilities in 25+ markets

Demonstrated development track record and strong hyperscale relationships, as they seek to work with fewer partners globally

Pure-Play¹ Approach

Experienced team with robust digital infrastructure backgrounds dedicated to hyperscale data center investing

Alignment with technology industry enhanced by sponsor relationships provides differentiated insights and opportunities

4

Continents with
Global Presence

70+

Global Blue Owl Digital
Infrastructure
Team Members

900+

Global STACK
Team Members²

Note: Data above reflects totals for the entire portfolio across Funds I, II, and III as of December 2024. Blue Owl Digital Infrastructure headcount reflected above is as of January 2025. STACK headcount reflected above is as of December 2024. There can be no assurance that Blue Owl Digital Infrastructure will complete any of the development projects in process. Neither past nor projected performance is indicative of future results. 1 "Pure-Play" refers to Blue Owl Digital Infrastructure's single strategy being exclusively focused on data centers and other complementary technology and connectivity-related assets. 2 STACK is Blue Owl Digital Infrastructure's wholly owned/controlled captive operating company.



Understanding Data Centers



Data Centers Sit at the Intersection of Generational Growth Driven by Two of the Largest Technological Advances in the 21st Century

\$15.7T
Contributed to
the Global Economy
by 2030

14%
Increase in Global
GDP by 2030

~\$1.1T
Capital Investment to
Build Data Centers,
Next 5 Years

AI

Data Centers

Cloud

\$220.1B — **~26%** → **\$688.1B**
2024E Revenue CAGR 2029E Revenue

Source: McKinsey & Company, "Impact of datacenters on US energy consumption March 2024"; Evercore. Structure Research Market Share Series, "Hyperscale Cloud (June 2024)".
Note: Cloud represents Total Hyperscale Cloud Revenue.



What is a Data Center?

Data centers house mission-critical IT infrastructure for corporations, governments, and other organizations. On the outside, they are nondescript and typically resemble an industrial building. However, the interior of a data center is highly specialized, and is equipped to handle the immense power requirements needed to keep computer servers humming, even when the power goes out.

Data centers come in various shapes and sizes, but can generally be placed into four categories:

Retail

Wholesale

Hyperscale

**Powered
Shell**

**Network-
Dense**

Data centers are designed to house information systems and related components such as:

Servers

Routers

UPS

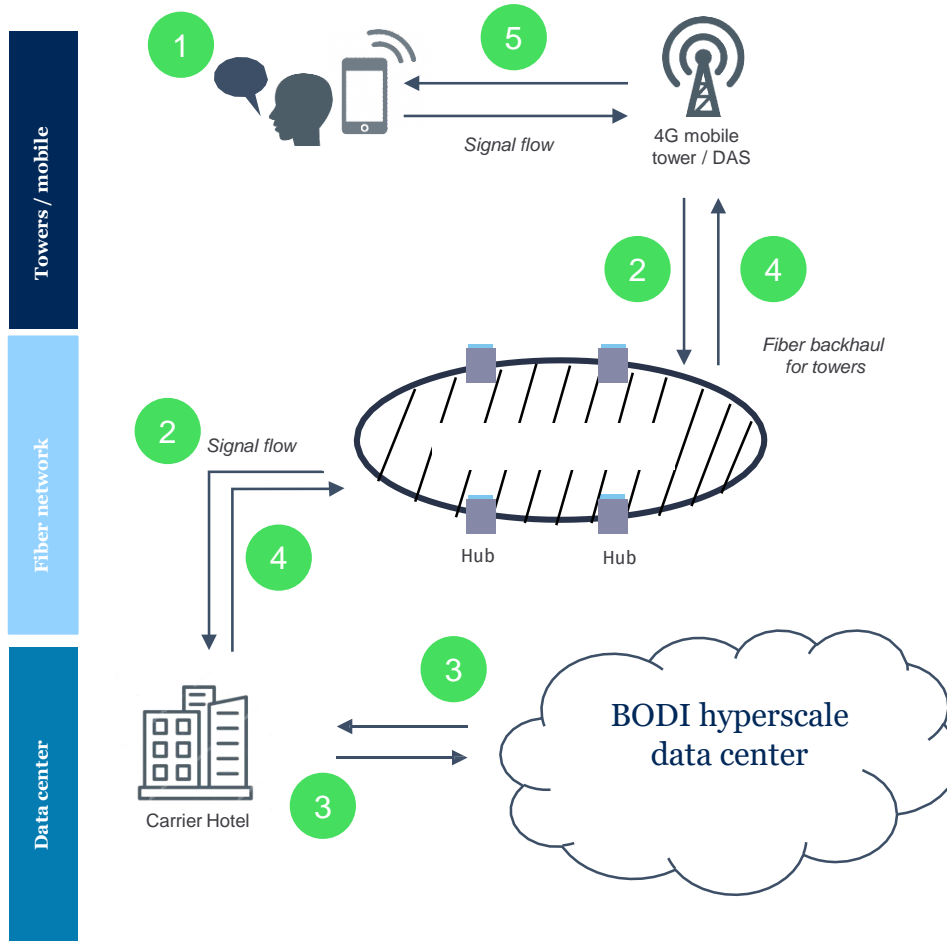
**Cooling
Units**

PDU

The Digital Infrastructure Ecosystem in Action



Scenario: *iPhone downloads latest Netflix show*



Step 1: User initiates download on iPhone which associates with the nearest Cell Tower/Small Cell site

Step 2: Request travels via Fiber to a wireless carrier hotel housed in a Data Center

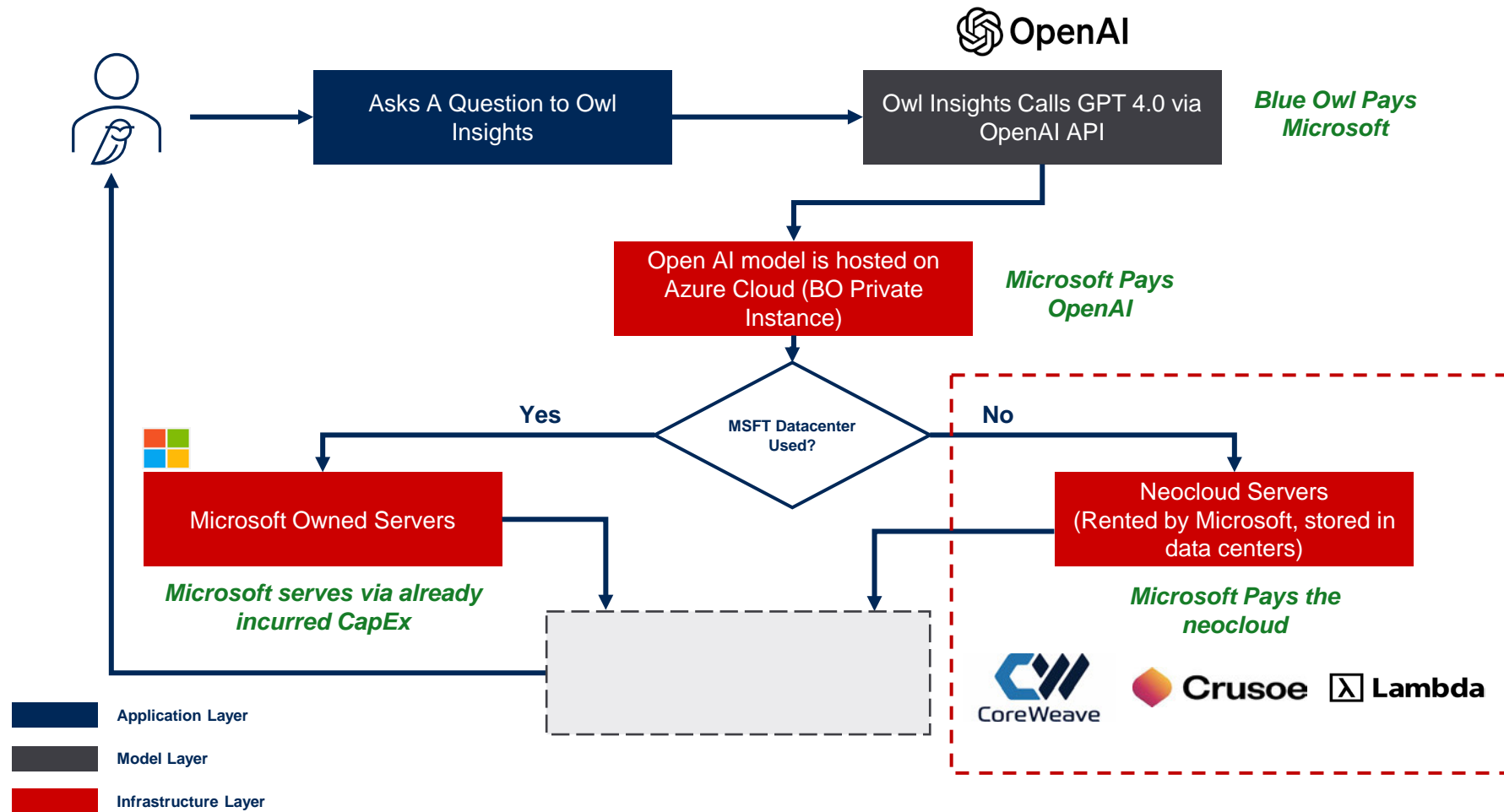
Step 3: Wireless switching center communicates with Netflix to determine the closest location of video. Video is downloaded from BODI hyperscale Data Center and travels back via Fiber to the carrier hotel

Step 4: Video travels from carrier hotel via Fiber back to the Cell Tower/Small Cell site

Step 5: Signal travels wirelessly over spectrum from Cell Tower/Small Cell site to user's iPhone

AI Simplified, Illustrative Revenue Model

AI value-chain of monetization goes from application layer to foundation model to compute with different players taking a % of revenues.


















Data Center Business Models



Most data center operators fall into one of three categories:

- 1) **Retail:** providing space, power and value added services to a large number of smaller corporates at a high unit price
- 2) **Wholesale:** providing space and power to a handful of large corporates
- 3) **Hyperscale:** providing large scale customized space and power to one or a small number of extremely large consumers of data center space at a low unit price

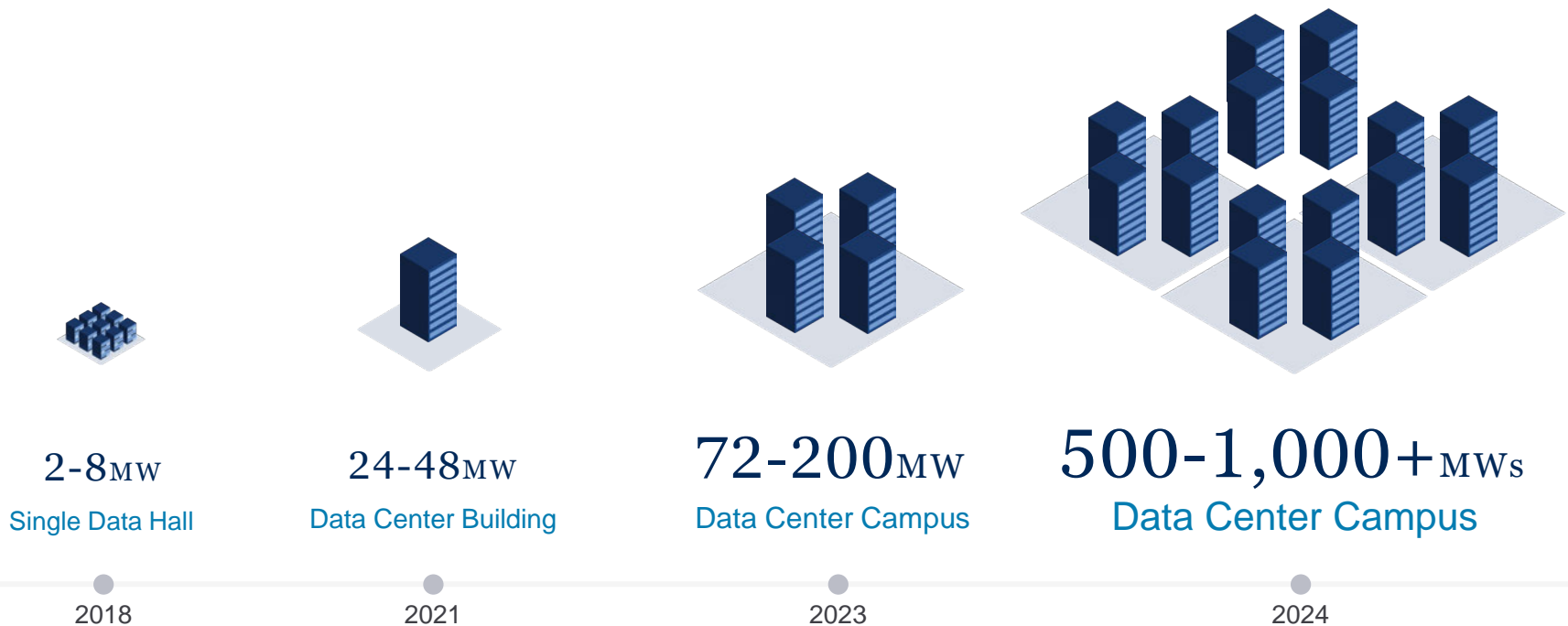
	Retail	Wholesale	Hyperscale
Tenants	Enable enterprise, SMB and government customers to outsource services to reduce costs and scale IT tasks	Primarily large enterprise with sophisticated IT departments	Large technology service providers, cloud computing companies, social media companies
Contract sizes	<ul style="list-style-type: none"> • ~3kW to <250kW of power capacity (customers pay for committed power regardless of usage) • ~25 to 10k sq ft (or by rack) 	<ul style="list-style-type: none"> • 250kW to >1MW of power capacity (pass-through costs) • >10k sq ft of contiguous floor space 	<ul style="list-style-type: none"> • >1MW of power capacity (pass-through costs)
Contract Length	3-5 years	3-10 years	7-20 years
Property Ownership	Mostly leased	Typically ownership of physical building infrastructure and land	Typically, ownership of physical building infrastructure and land
Interaction with Customer	Retail operators house customers' services & IT equipment alongside other tenants'	Customers prefer to manage all data center equipment themselves, outsourcing only power & cooling service mgmt. to operators	Customers prefer to manage all data center equipment themselves, outsourcing only power & cooling service mgmt. to operators
% Recurring Revenue	~90%	~95%	~100%
EBITDA Margins	40-50%	50-60%	60-70%
Number of Tenants	100+	10+	1-5
Operators	    	    	    

Demand Transforms Data Center Leasing Norms



Since Blue Owl Digital Infrastructure's inception, capacity needs have ramped and evolved significantly. Tenants have moved from initially leasing single data halls to leasing entire campuses today. **100MW campuses now require ~\$1.2b of capital investment.**

Capacity Ramp Over Time



Note: Figures are a depiction of how Blue Owl Digital Infrastructure's leases have changed since inception.

BODI Primarily Invests in Two Distinct Hyperscale Data Center Types



Powered Shell & Turnkey data centers share many similar features, including long-term contracts with the highest quality tenants. They differ primarily in landlord scope and lease structure

	Powered Shell	Turnkey
Construction Type	Fully built core and shell with power and connectivity	Equivalent to powered shell, with additional fit-out infrastructure that includes generators, HVAC batteries and other components
Construction Costs	\$2M – \$3M per MW	\$10M – \$15M per MW
Lease Structure and Covered Costs	Triple-net lease All costs including insurance, taxes and electricity passed through to tenant	Modified gross + electricity Revenue grossed up for electricity pass-through; responsible for all property taxes, insurance and operational maintenance
Operating Responsibilities	Hyperscaler tenant is responsible for operating data center after construction completion – no level agreements for uptime	Landlord is responsible for data center construction completion – service level place
Lease Term	10 Years – 15 Years	10 Years – 15 Years
Lease Pricing	Typically, 7.0% – 8.0% Yield-on-Cost (“YOC”) 2.0% – 3.0% annual escalators	Typically, 7.5% – 10.0% Yield-on-Cost 2.0% – 3.0% annual escalators
Property Ownership	Owned physical building infrastructure and land	Owned physical building infrastructure and land

Source: Proprietary

Note: The terms and descriptions noted here for both types of development are for illustrative purposes only and may not reflect the development scope and structure of an actual development. Construction costs, lease structure and covered costs, lease terms, and lease pricing terms may greatly vary and there is no assurance that IPI may achieve the terms noted here.

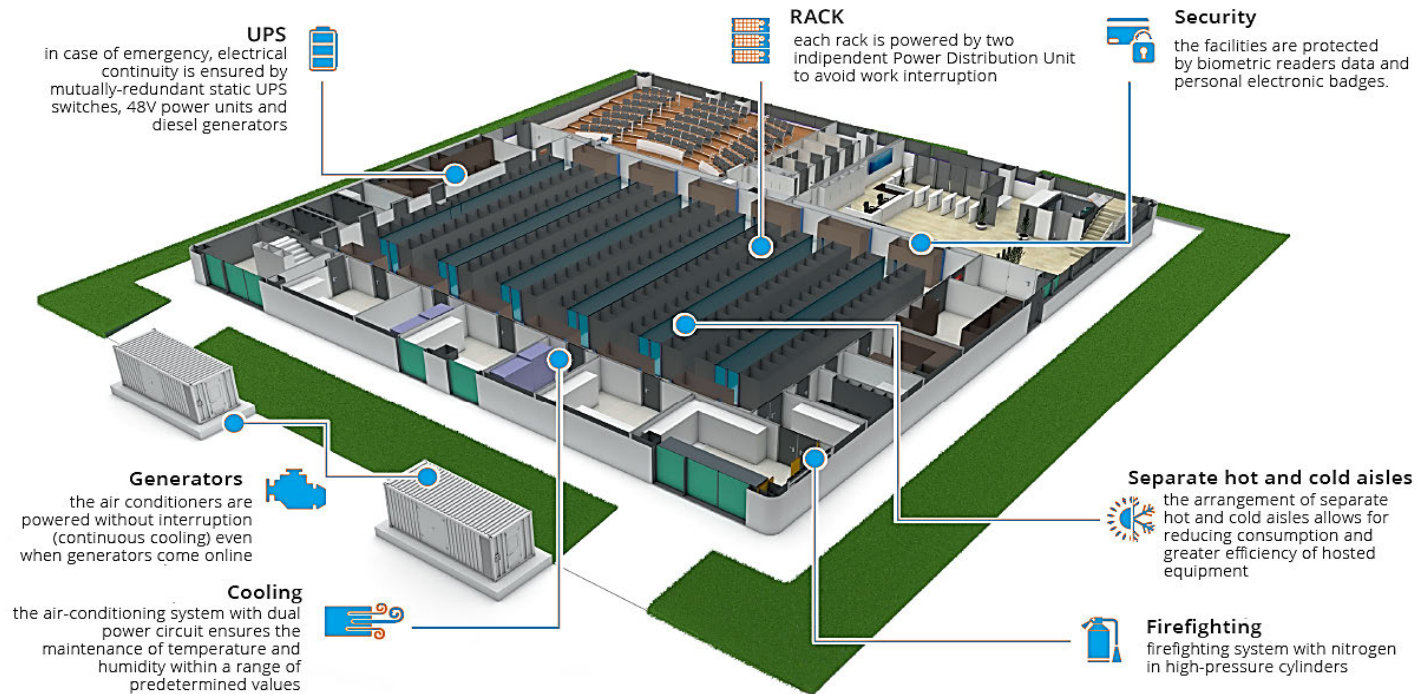
BODI Data Centers



Components of a Data Center



Data center operators are responsible for providing space, power, cooling and physical security for tenants to store and operate computer servers.



Building Shell: The bare shell which often includes fiber connectivity, plumbing and electricity

UPS: Batteries to deliver an uninterrupted power supply (UPS)

Generators: Located on-site and programmed to run within seconds of an unplanned power outage

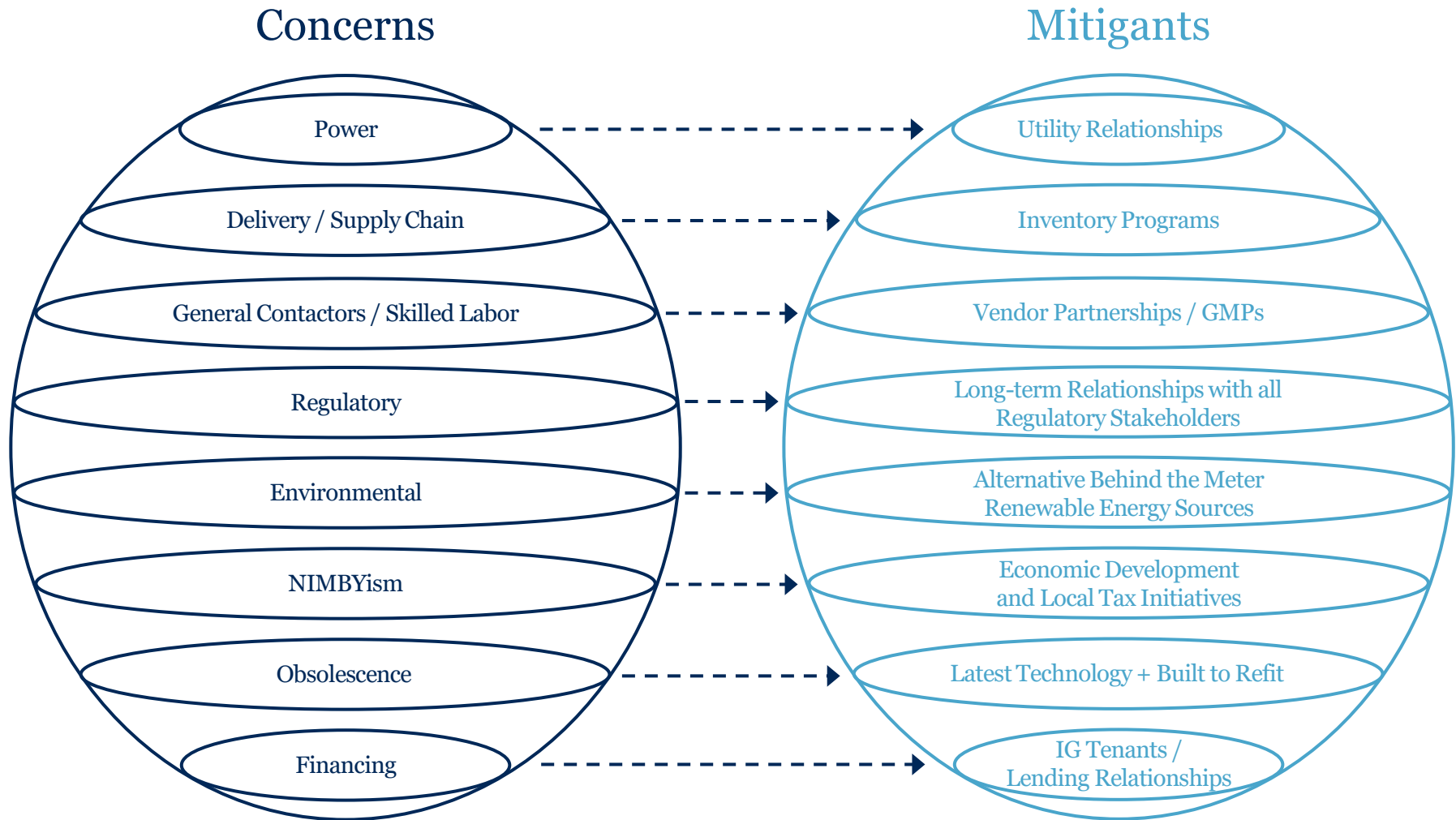
Cooling: Used to remove heat by HVAC systems by transferring heat to exchangers located outside of the facility. These systems can be sprinkled with water to increase efficiency

Fire Suppression: Typical fire safety systems can damage data center hardware so many data centers will use suppression systems which displace oxygen in the air

Physical Security: Security guards, video surveillance, gates, mantraps, and multifactor or biometric locks

For illustrative purposes only. The views expressed are Blue Owl's and subject to change without notice as market and other conditions change.

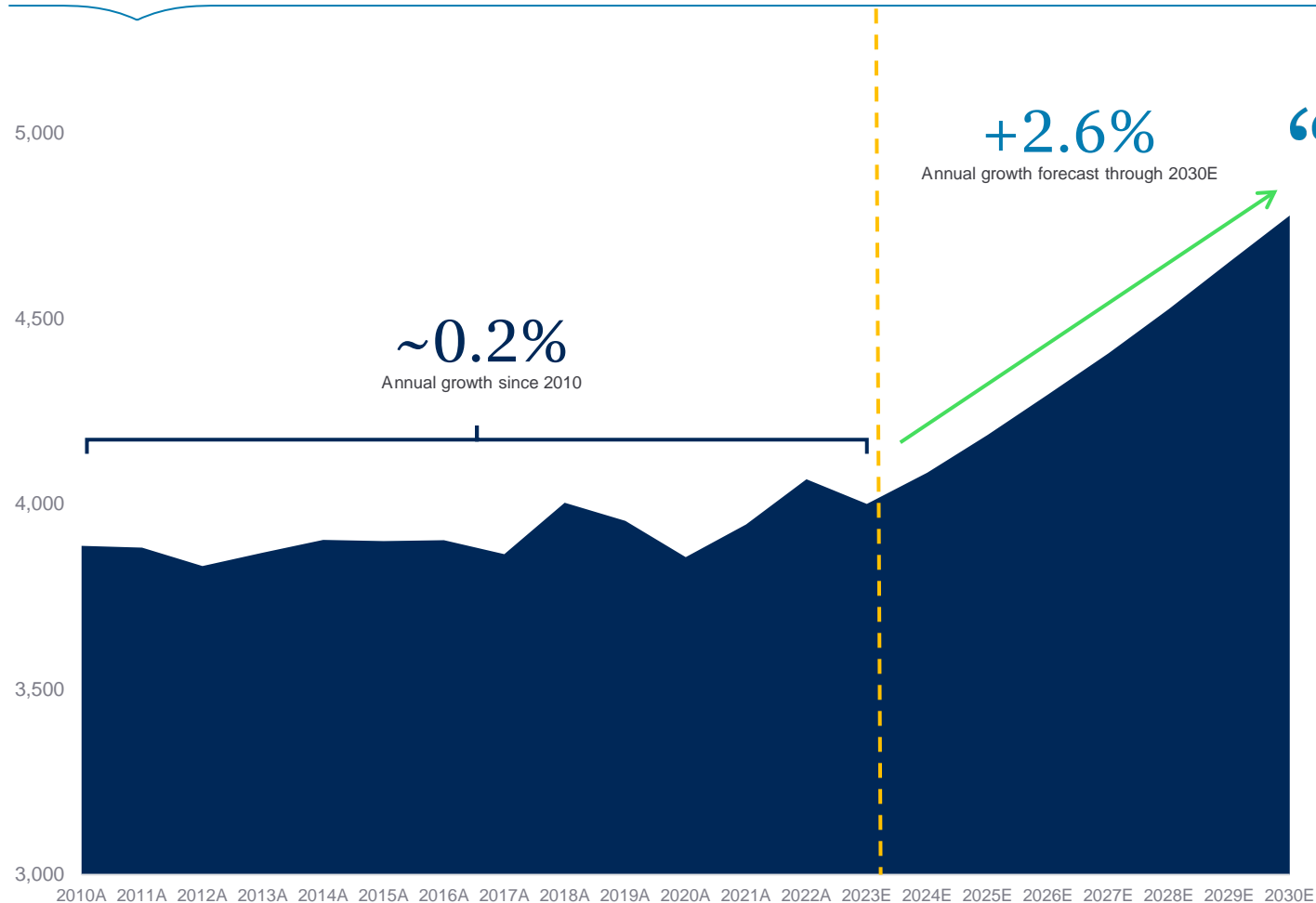
Considerations for Development



US Power Demand is Expected to Accelerate, After More Than A Decade of Flat Growth



US Historical & Forecasted Power Demand (TWh)



“It is clear that load and demand on the [grid] will continue to increase, with the growth of digitization and electrification

Howard Gugel

SVP, Regulatory Oversight

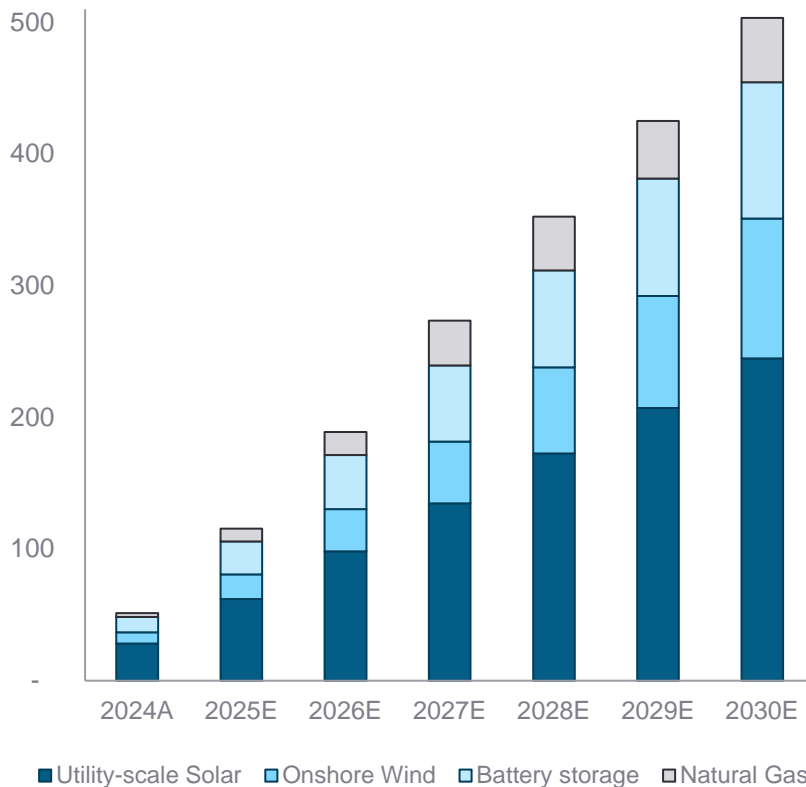


Historic Levels of Grid Investment Anticipated to Power Data Centers and Deliver Full Economic Benefits



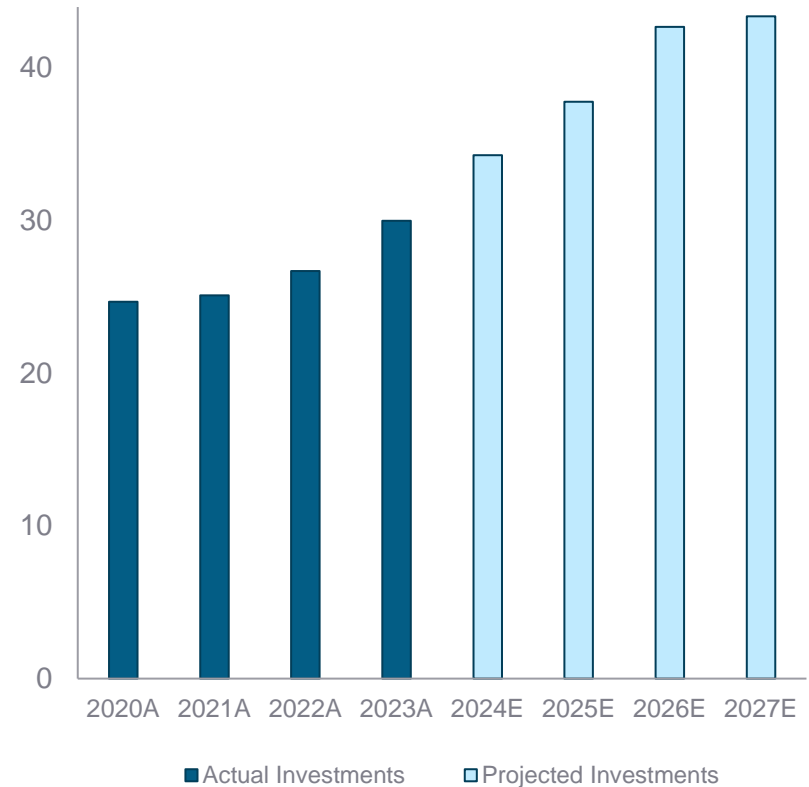
Generation: Over ~500 GW of New US Generating Capacity Through 2030

Cumulative Forecasted US Capacity Additions⁽¹⁾
Gigawatts



Transmission: Over ~\$150 Billion of US Utility Investments Between 2024 and 2027

Annual US Transmission Investments, Actual and Projected⁽²⁾
\$ Billions



Notes: (1) Under baseline scenario; excludes small-scale solar (~86 GW cumulative) and other miscellaneous sources (~22 GW cumulative). Source: Bloomberg estimates, July 2024.

(2) Includes transmission investments from investor-owned electric companies and stand-alone transmission companies, in nominal US dollars. Source: Edison Electric Institute, January 2025.

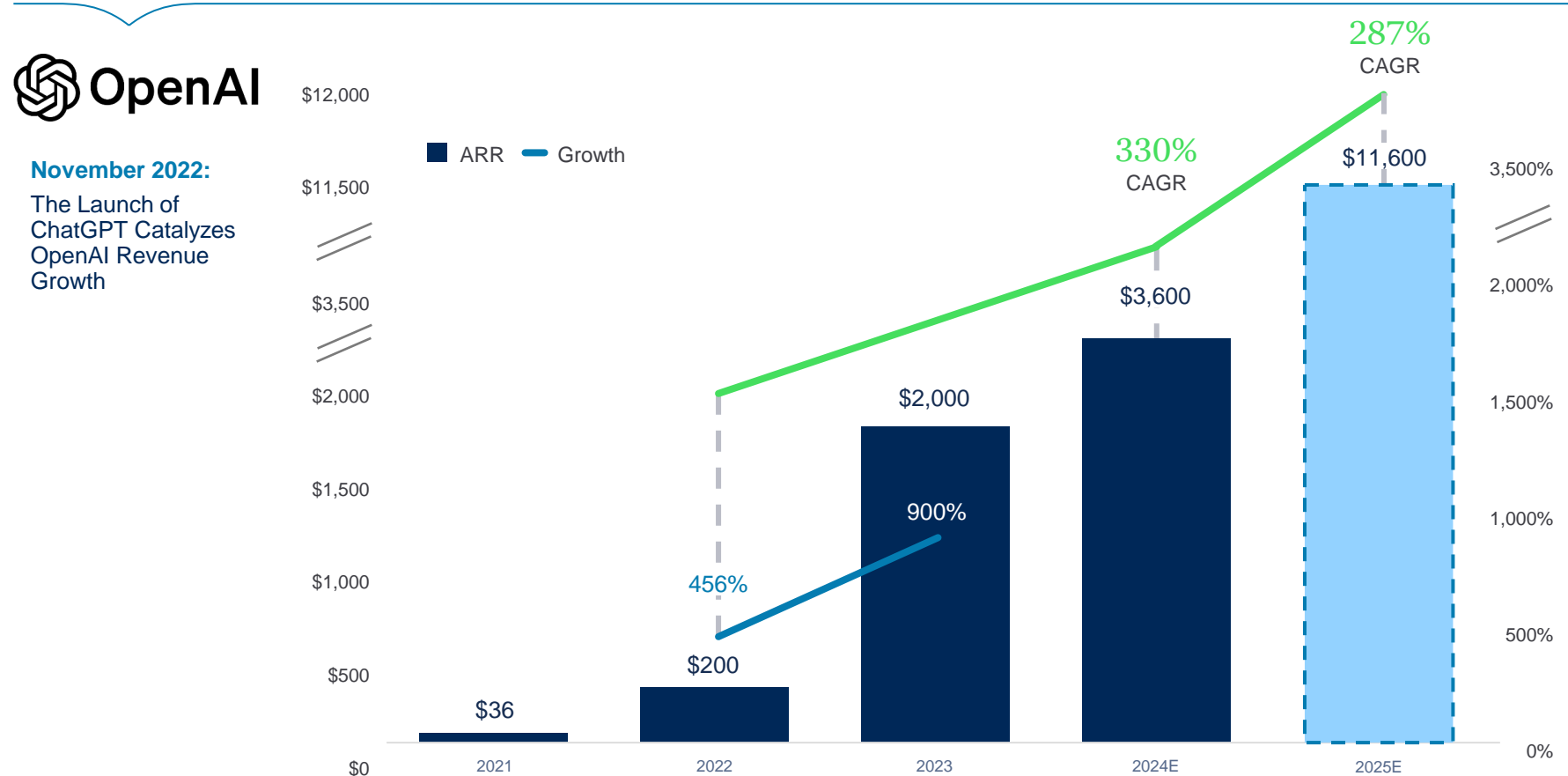


Outlook for Investing in Data Centers

AI Case Study: OpenAI

Within 60 days of launching, ChatGPT eclipsed **100M users**, and 20 months later they have scaled from **\$0 to \$3.6B** of recurring revenue. Today, OpenAI is valued at **\$157B**, nearly double what the company was valued at earlier this year.

Annual Recurring Revenues (\$M)

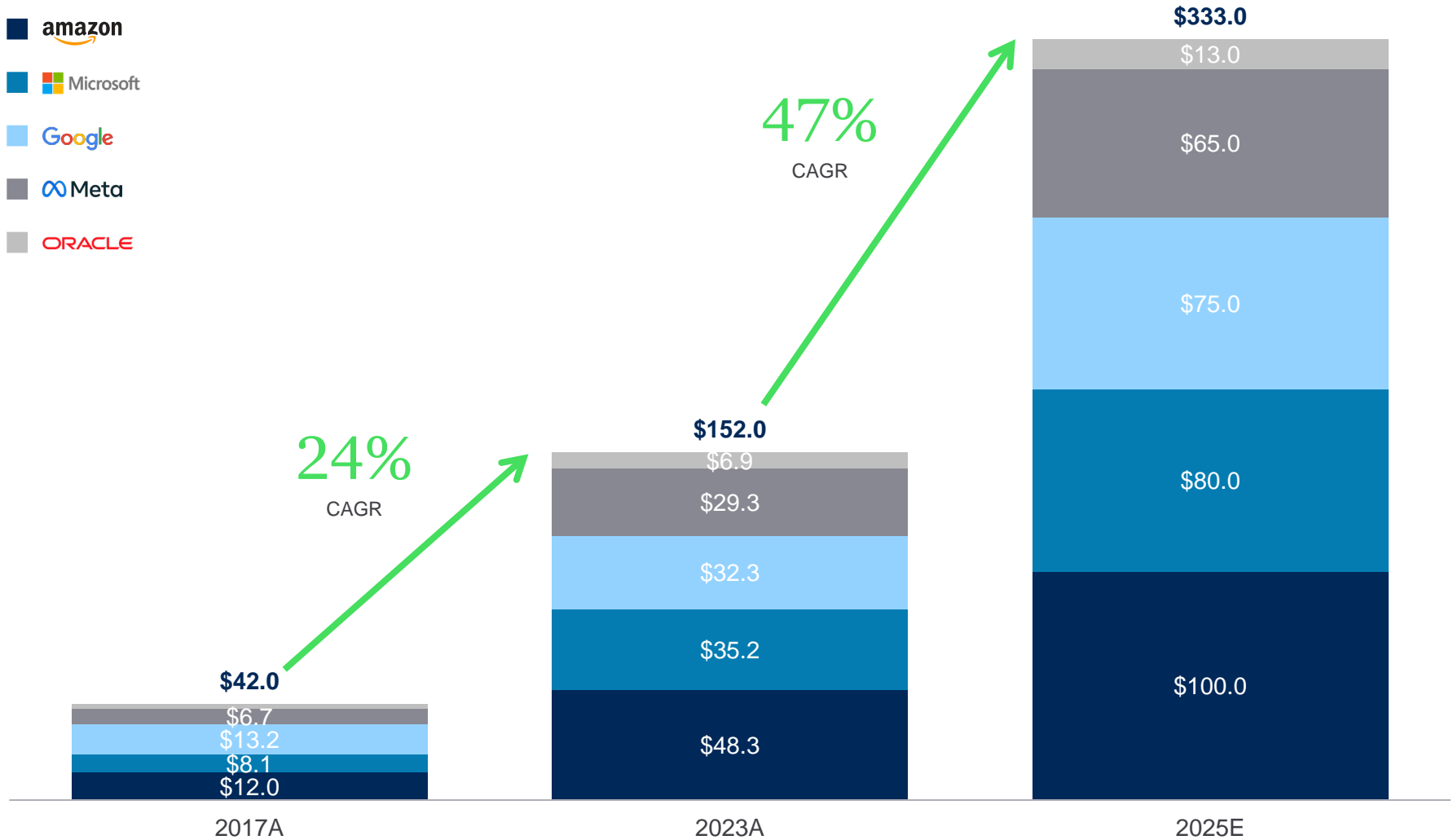


Source: New York Times: OpenAI Is Growing Fast and Burning Through Piles of Money (September 2024) – 2024-2025 ARR; The Information: OpenAI Projections Imply Losses Tripling to \$14B in 2026 (October 2024) – 2023 ARR; Notorious: OpenAI's Revenue Breakdown (July 2024) – 2021-2022 ARR; New York Times: OpenAI Completes Deal That Values Company at \$157 Billion (October 2024) – OpenAI Valuation. Note: Trademarks are property of their respective owners. ChatGPT has not recommended the services of Blue Owl Digital Infrastructure. The Blue Owl Digital Infrastructure Funds do not expect to invest in ChatGPT and there is no assurance that Blue Owl Digital Infrastructure Funds will develop data center assets on or behalf of or provide corporate related services to ChatGPT.

Hyperscaler CapEx Growth



CapEx spend amongst 5 of the largest hyperscalers grew 24% on average from 2017 to 2023. From 2023 to 2025, **CapEx is expected to increase 47% on average largely due to the increased spend to support AI workloads.**



Source: Financial Times - Big Tech lines up over \$300bn in AI spending for 2025 (February 2025) – Amazon, Microsoft, Google, Meta Capex; RBC – Building AI (August 2024) – Oracle Capex.
Note: Trademarks are property of their respective owners. None of the companies illustrated here have recommended the services of Blue Owl Digital Infrastructure. Although certain of the above referenced companies are tenants of Blue Owl Digital Infrastructure-owned assets, Blue Owl Digital Infrastructure Funds do not expect to invest in any of the referenced companies nor can there be any assurance that Blue Owl Digital Infrastructure Funds will develop data center assets on behalf of any of the referenced companies.

AI Training vs Inferencing



Both “inference” and “training” are essential stages in building and deploying AI applications, they serve different purposes and require different considerations.

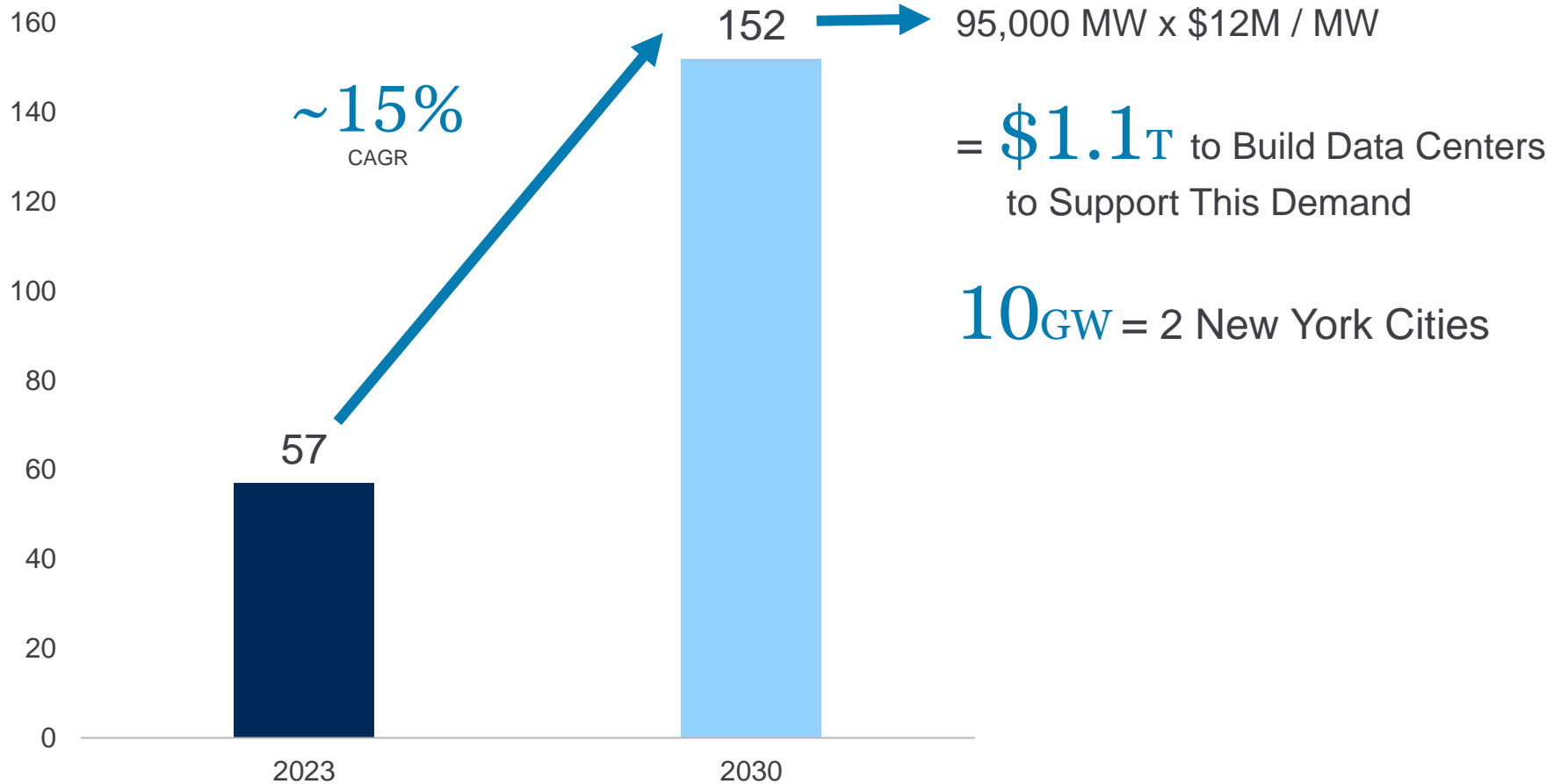
	Training	Inferencing
Purpose	Teaching a model using historical data so it can patterns or learn tasks	Using that trained model to make predictions on new production environment
Data Flow	Typically processes massive amounts of labeled data, multiple passes through the dataset (epochs)	Processes new, unlabeled data one sample at a time (or small batches) to provide outputs
Computation	Computationally heavy	Lighter in computation
Time Sensitivity	Depending on the dataset size and hardware, it might hours, days, or even weeks	Usually happens in real-time or near real-time, latency
Hardware Requirements	Specialized hardware accelerators (like GPUs or TPUs) handle large-scale matrix operations	Performed on GPUs, CPUs, FPGAs, or specialized edge
Costs	High upfront cost, periodic re-training	Lower cost per instance, depending on latency

Demand for Data Centers Has Never Been Higher



Data center demand will continue to hit unprecedented heights in the coming years, necessitating trillions of dollars in spending to hit desired capacity levels

Global Data Center Demand (GW)



Capacity Growing Globally to Meet Demand



Americas

2.5x

Increase in
Total Capacity

EMEA

2.0x

Increase in
Total Capacity

APAC

2.2x

Increase in
Total Capacity



Q&A



Important Information



Unless otherwise noted the Report Date referenced herein is as of (March 3, 2025).

Past performance is not a guarantee of future results.

Assets Under Management (“AUM”) refers to the assets that we manage, and is generally equal to the sum of (i) net asset value (“NAV”); (ii) drawn and undrawn debt; (iii) uncalled capital commitments; (iv) total managed assets for certain Credit and Real Estate products; and (v) par value of collateral for collateralized loan obligations (“CLOs”) and other securitizations.

The material presented is proprietary information regarding Blue Owl Capital Inc. (“Blue Owl”), its affiliates and investment program, funds sponsored by Blue Owl, including the Blue Owl Credit, GP Strategic Capital Funds and the Real Estate Funds (collectively the “Blue Owl Funds”) as well as investment held by the Blue Owl Funds.

The views expressed and, except as otherwise indicated, the information provided are as of the report date and are subject to change, update, revision, verification, and amendment, materially or otherwise, without notice, as market or other conditions change. Since these conditions can change frequently, there can be no assurance that the trends described herein will continue or that any forecasts are accurate. In addition, certain of the statements contained in this presentation may be statements of future expectations and other forward-looking statements that are based on the current views and assumptions of Blue Owl and involve known and unknown risks and uncertainties (including those discussed below) that could cause actual results, performance, or events to differ materially from those expressed or implied in such statements. These statements may be forward-looking by reason of context or identified by words such as “may, will, should, expects, plans, intends, anticipates, believes, estimates, predicts, potential or continue” and other similar expressions. Neither Blue Owl, its affiliates, nor any of Blue Owl's or its affiliates' respective advisers, members, directors, officers, partners, agents, representatives or employees or any other person (collectively the “Blue Owl Entities”) is under any obligation to update or keep current the information contained in this document.

This presentation contains information from third party sources which Blue Owl has not verified. No representation or warranty, express or implied, is given by or on behalf of the Blue Owl Entities as to the accuracy, fairness, correctness or completeness of the information or opinions contained in this presentation and no liability whatsoever (in negligence or otherwise) is accepted by the Blue Owl Entities for any loss howsoever arising, directly or indirectly, from any use of this presentation or its contents, or otherwise arising in connection therewith.

All investments are subject to risk, including the loss of the principal amount invested. These risks may include limited operating history, uncertain distributions, inconsistent valuation of the portfolio, changing interest rates, leveraging of assets, reliance on the investment advisor, potential conflicts of interest, payment of substantial fees to the investment advisor and the dealer manager, potential illiquidity, and liquidation at more or less than the original amount invested. Diversification will not guarantee profitability or protection against loss. Performance may be volatile, and the NAV may fluctuate.

This material is for informational purposes only and is not an offer or a solicitation to sell or subscribe for any fund and does not constitute investment, legal, regulatory, business, tax, financial, accounting, or other advice or a recommendation regarding any securities of Blue Owl, of any fund or vehicle managed by Blue Owl, or of any other issuer of securities. Only a definitive offering document (i.e.: Prospectus or Private Placement Memorandum) can make such an offer. Neither the Securities and Exchange Commission, the Attorney General of the State of New York nor any state securities commission has approved or disapproved of these securities or determined if the Prospectus or Private Placement Memorandum is truthful or complete. Any representation to the contrary is a criminal offense. Securities are offered through Blue Owl Securities LLC, member of FINRA/SIPC, as Dealer Manager.

Copyright© Blue Owl Capital Inc. 2025. All rights reserved. This presentation is proprietary and may not be reproduced, transferred, or distributed in any form without prior written permission from Blue Owl. It is delivered on an “as is” basis without warranty or liability. By accepting the information, you agree to abide by all applicable copyright and other laws, as well as any additional copyright notices or restrictions contained in the information.



Guest Speaker: Real Estate

Elizabeth Bell
Co-Head
Real Estate

Hamilton Lane



Guest Speaker: Real Estate

Elizabeth Bell | Hamilton Lane



Elizabeth is a Managing Director and Co-Head of Real Estate on the Real Assets team, where she is responsible for due diligence of primary, secondary and co-investment opportunities in real estate. She is a member of the Real Asset Investment Committee.

Prior to joining Hamilton Lane in 2022, Elizabeth was a Managing Director with Jaguar Growth Partners where she was responsible for leading Latin American real estate private equity investments. Previously, Elizabeth was an Investment Manager at Aberdeen Asset Management on the Property Multi-Manager team and was a Vice President at Equity International, responsible for investing in emerging markets real estate companies. Earlier in her career, Elizabeth was an Associate at real estate private equity firm, JER Partners, and an investment banking analyst at Deutsche Bank.

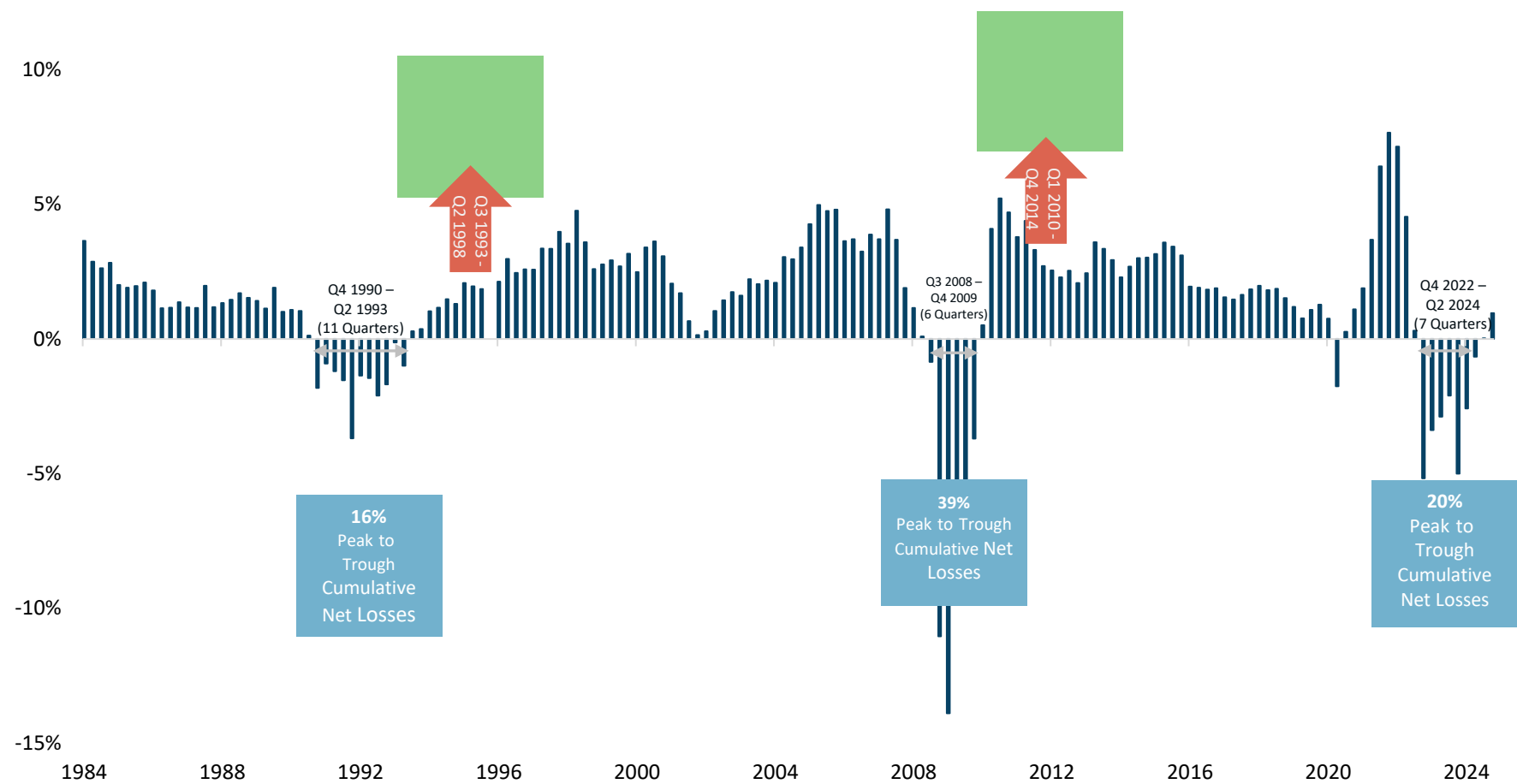
Elizabeth received her M.B.A from the Wharton School at the University of Pennsylvania and an A.B. from Princeton University.



VRS Offsite: Real Estate Overview

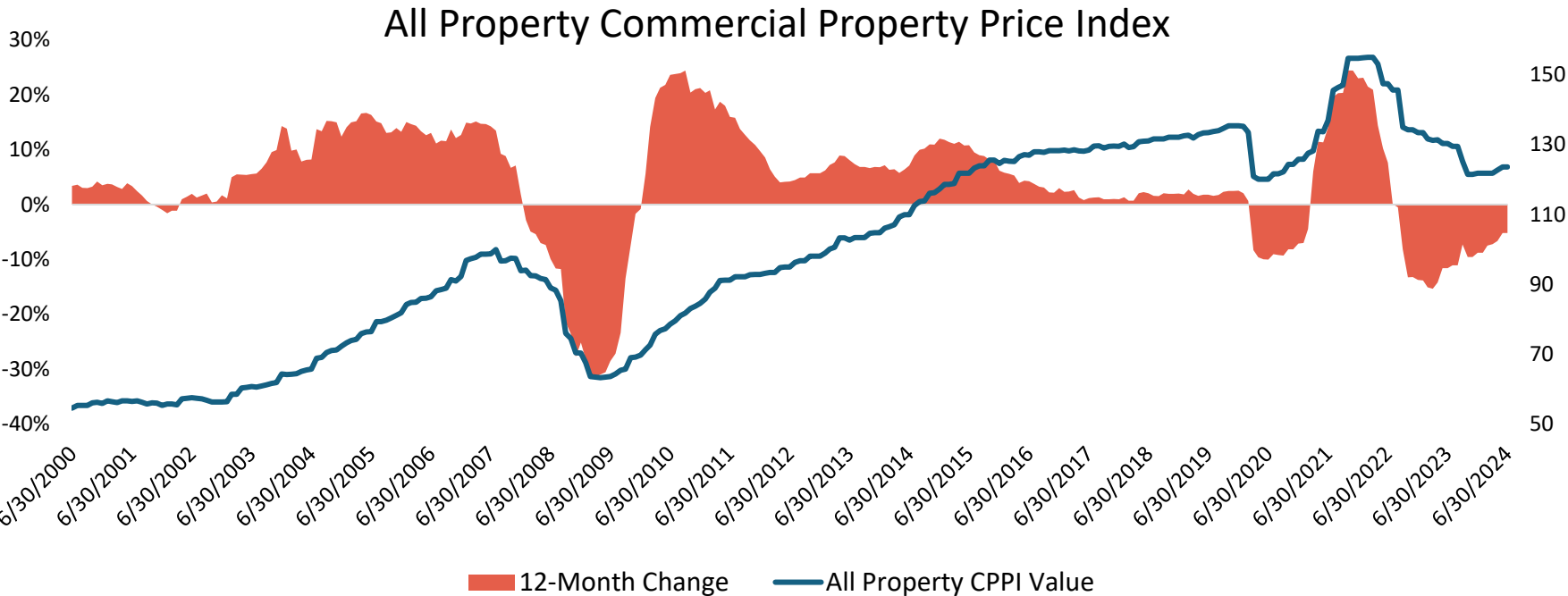
March 2025

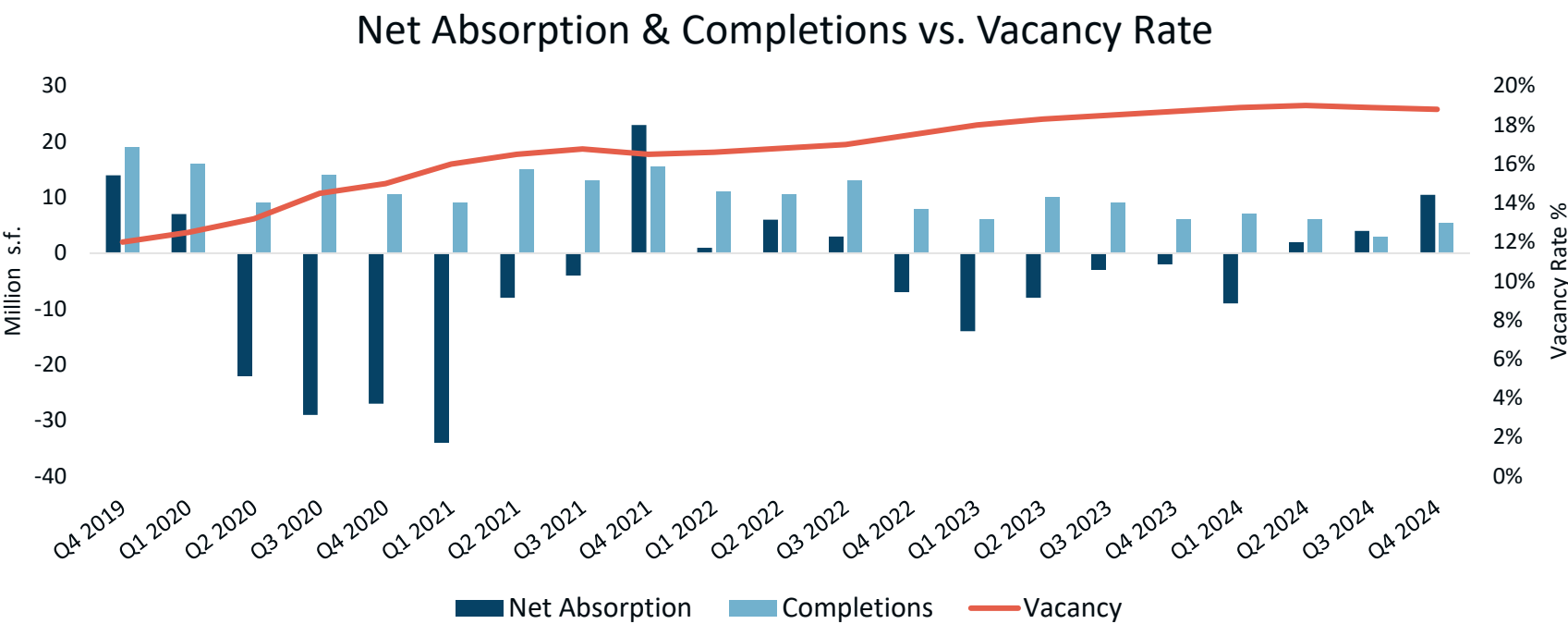
NFI – ODCE Net Total Returns (1984 – 2024)



Source: NFI-ODCE Index as of 12/31/24

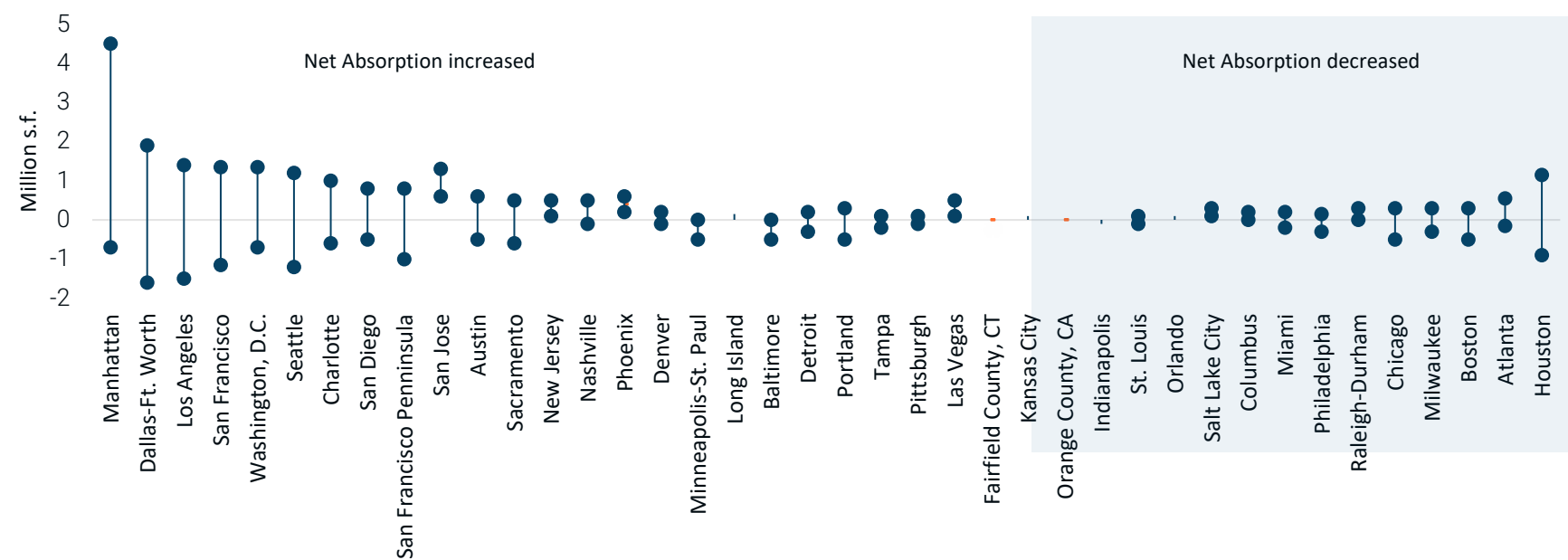
Green Street Commercial Property Price Index (CPPI)





Market-by-Market Office Absorption

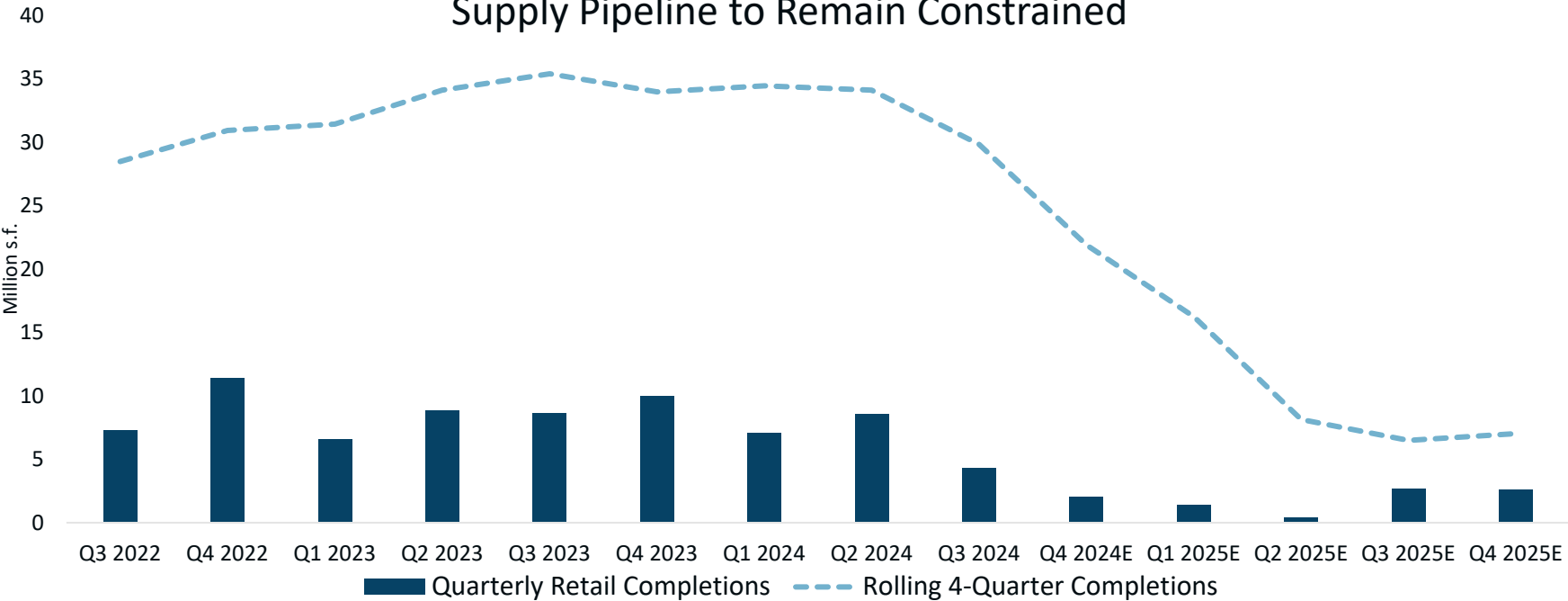
Net Absorption from Q4 2023 to Q4 2024



Source: CBRE Econometric Advisors, as of 12/31/24

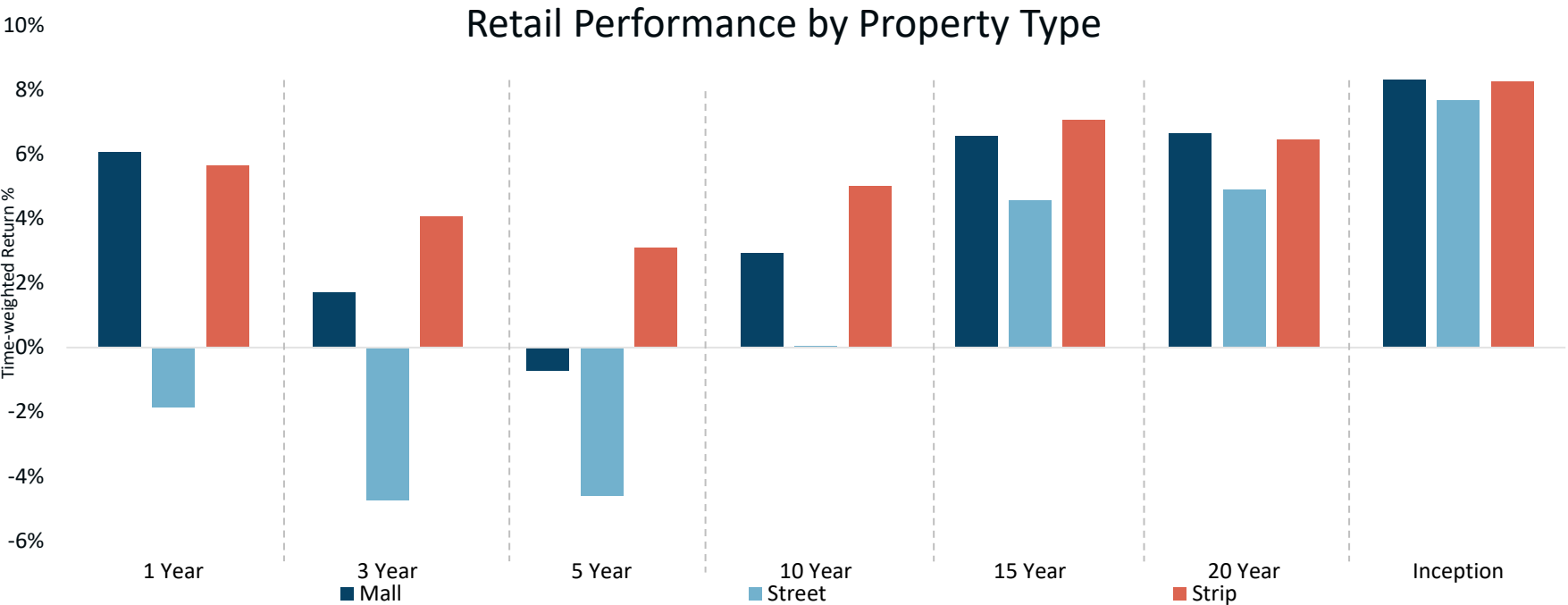
Limited New Supply in Retail Sector

Supply Pipeline to Remain Constrained



Source: CBRE Econometric Advisors, as of 9/30/24

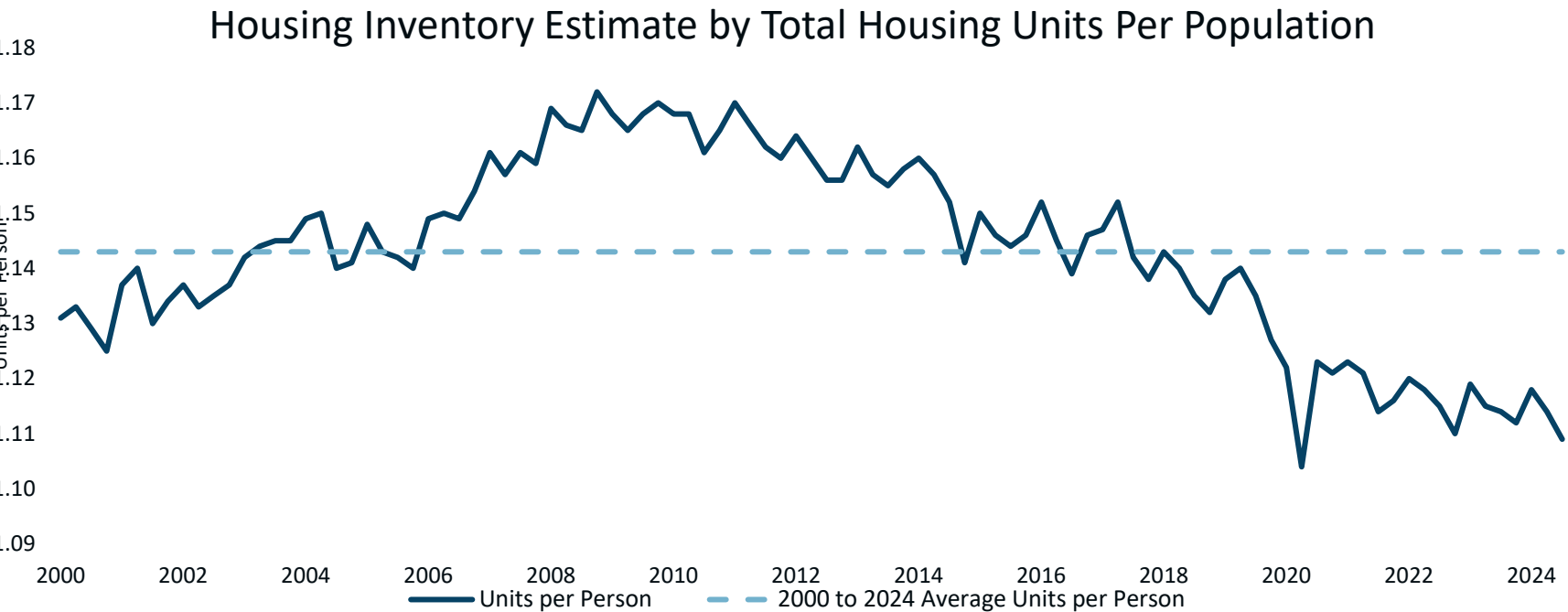
Bifurcation across Types of Retail



Source: NCREIF, as of 12/31/24
Note: NCREIF defines strip retail as anchored or unanchored open-air shopping centers that consist of an aggregation of in-line stores with a common parking area. Street retail is storefront retail that is typically located in the lower floors of, or adjacent to an office or multifamily building

Institutional Use Only/Not for Public Use | Proprietary and Confidential | 106

Housing Supply Constraint



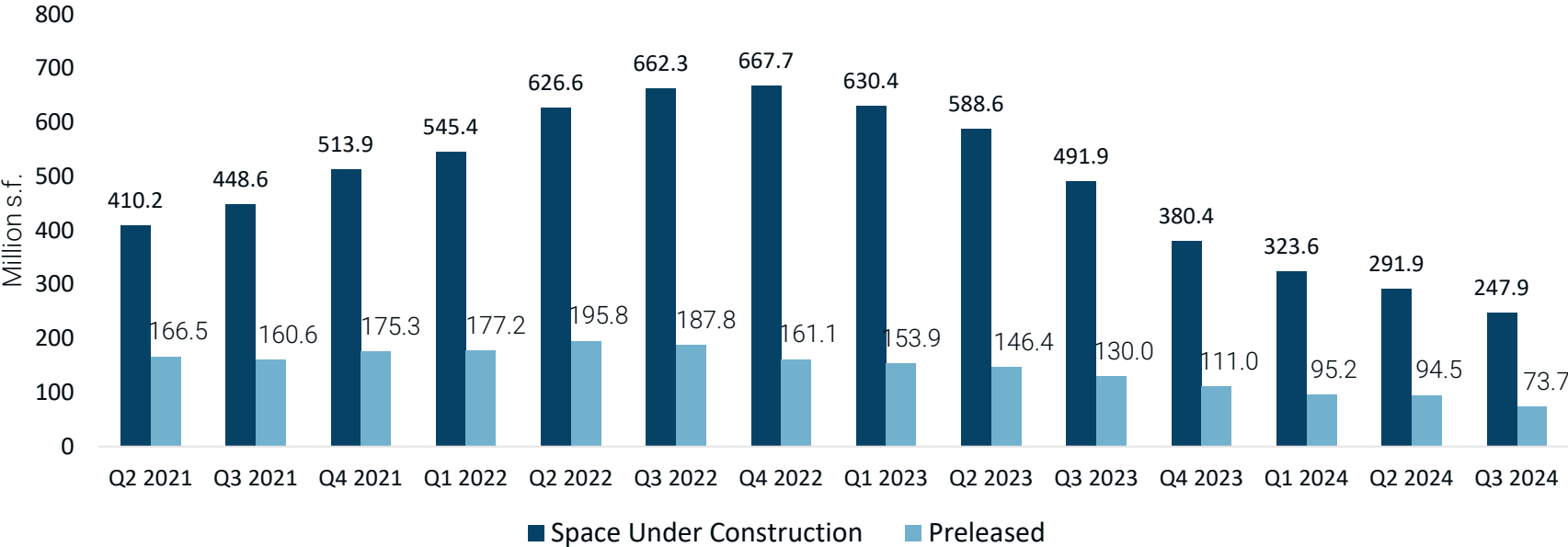
Source: Census Bureau, FRED and Apollo Chief Economist as of November 2024

For-Rent Multifamily Supply by Market



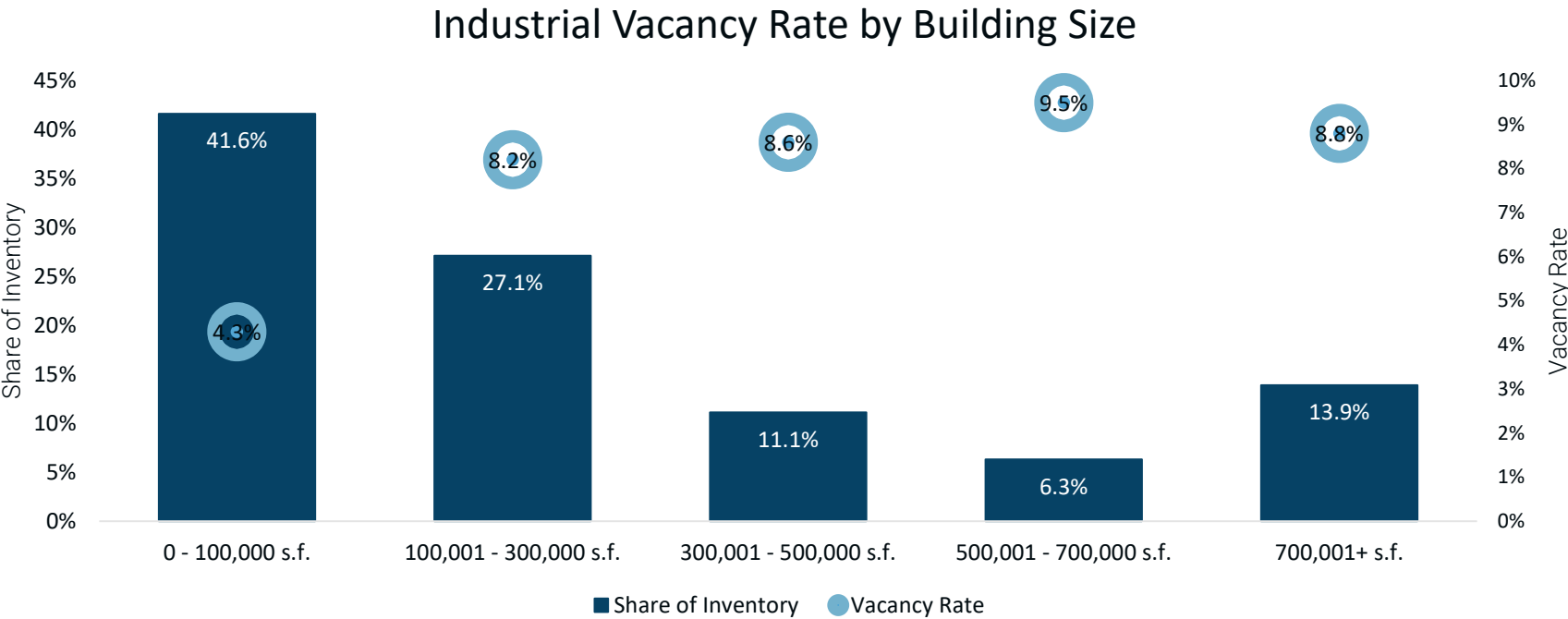
Source: CBRE as of 9/30/24

Space under Construction Continues to Fall



Source: CBRE Research, as of 9/30/24

Vacancy by Industrial Building Size

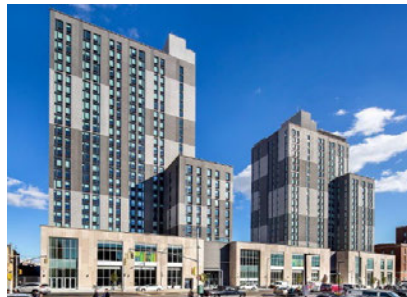


Source: CoStar, Newmark Research, October 2024

Alternative Property Types

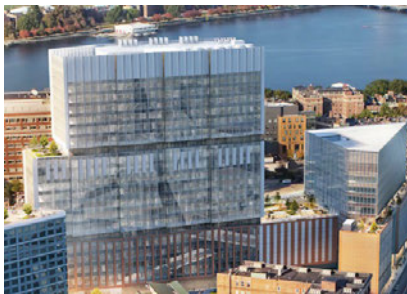
Manufactured / Affordable Housing

Manufactured: factory-built, single-family homes that sit on rented land
Affordable: need to navigate local/national regulations and tax incentives



Healthcare

Medical office: on-campus or off-campus outpatient services
Life science buildings and R&D lab space



Senior Living / Student Housing

Similar to apartment, with higher operating demands
Offers additional facilities and services not found in apartments

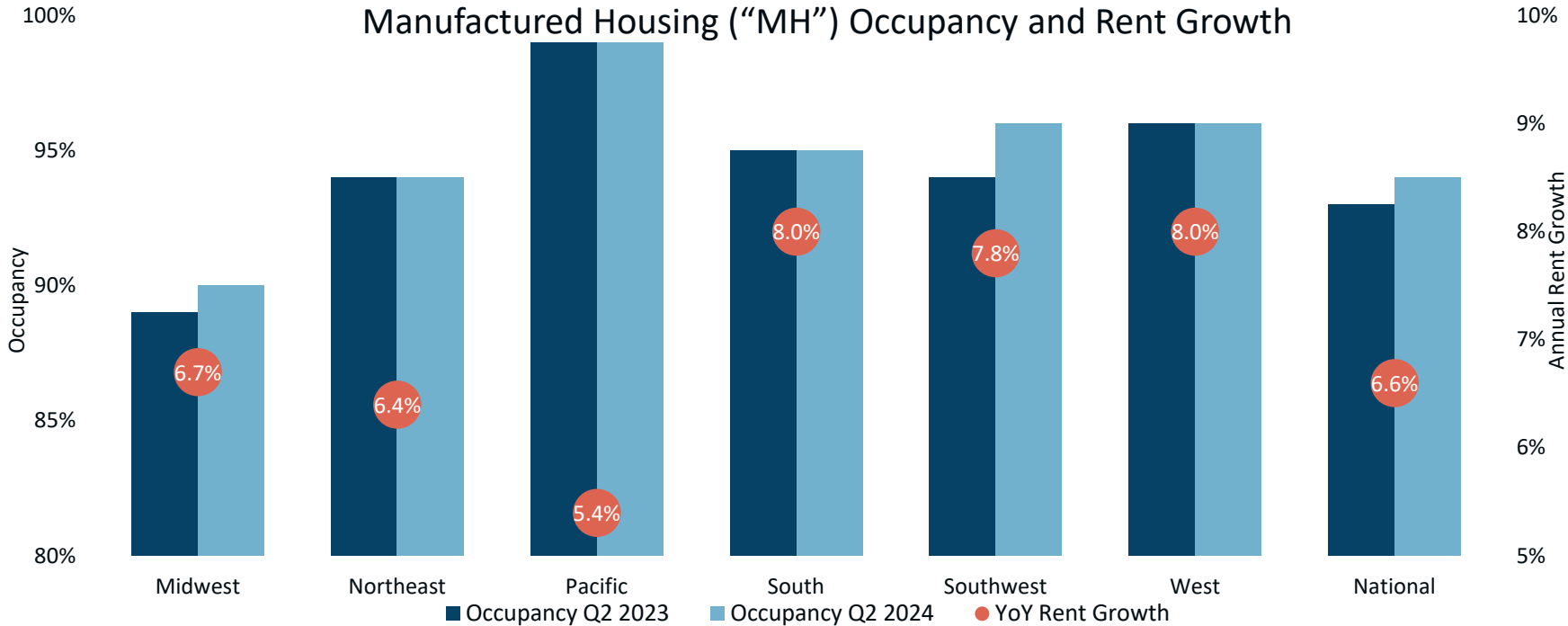


Storage

Self-storage: full service, climate controlled to no service, outdoor facilities
Industrial outdoor storage: low coverage, truck terminals to container storage

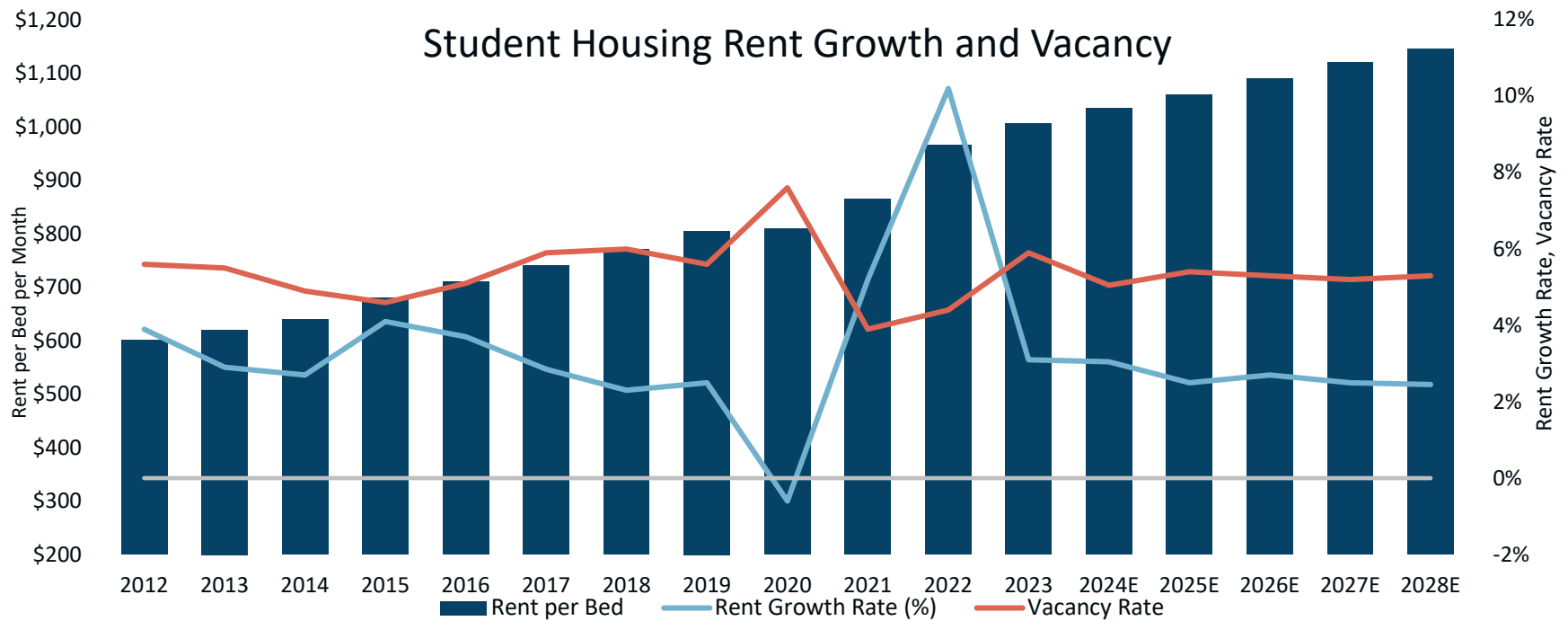


Alternative Sectors: Manufactured Housing



Source: Fannie Mae as of September 2024

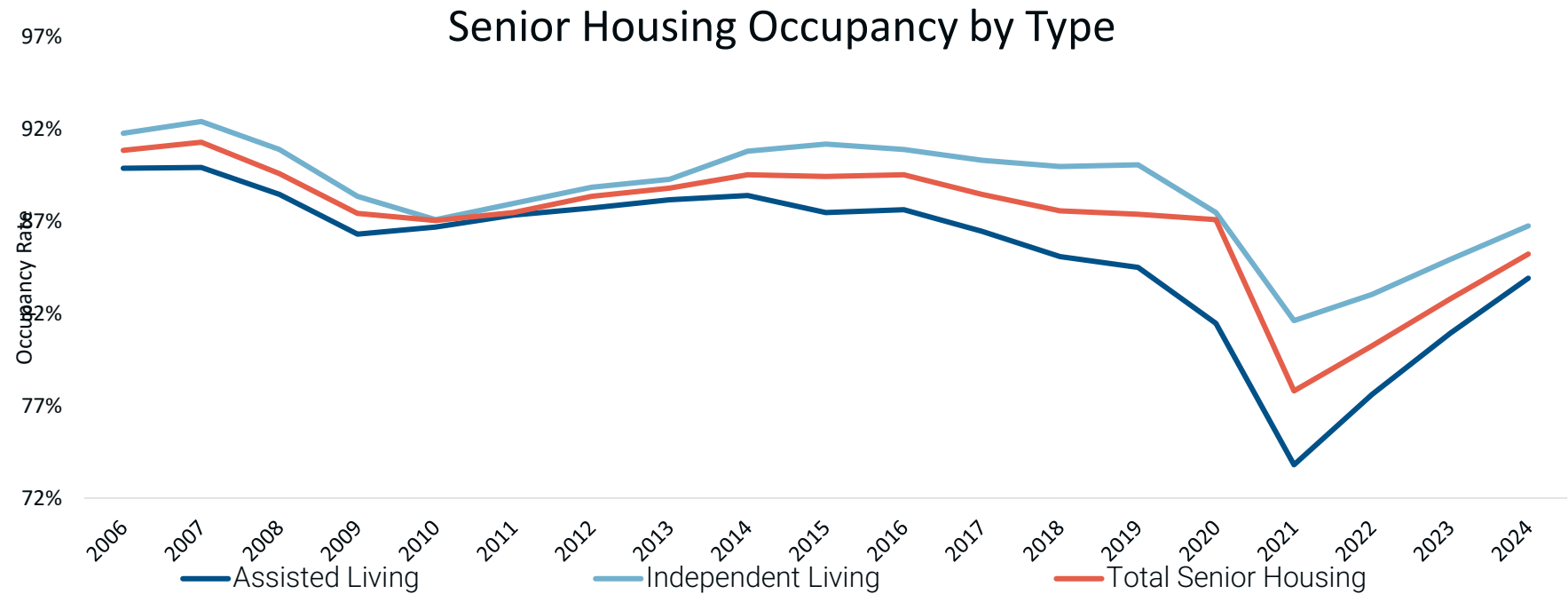
Alternative Sectors: Student Housing



Source: Axiometrics as of August 2024

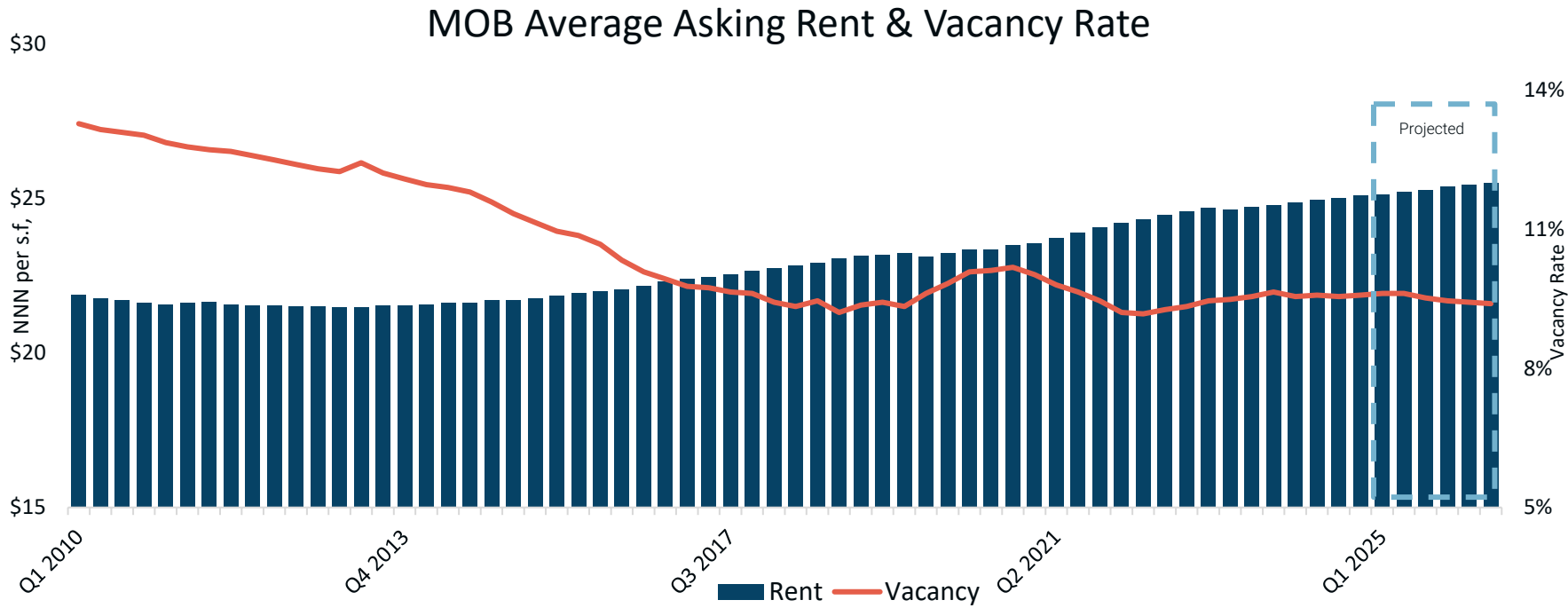
Institutional Use Only/Not for Public Use | Proprietary and Confidential | 113

Alternative Sectors: Senior Housing



Sources: NIC MAP Vision, as of 9/30/24

Alternative Sectors: Medical Office Buildings (MOB)



Sources: CBRE, as of 9/30/24

Guest Speaker: Healthcare

Dr. Thomas Roberts, Jr.
Partner & Vice Chair

Farallon Capital
Management



Guest Speaker: Healthcare

Dr. Thomas Roberts, Jr. | Farallon Capital Management



Dr. Roberts joined Farallon in 2005 and is a Partner of the firm in the Arbitrage group and the Vice Chair of Farallon. Prior to joining Farallon, Dr. Roberts was an attending oncologist at Massachusetts General Hospital, an Instructor of Medicine at the Harvard Medical School, and a Visiting Scientist at Massachusetts Institute of Technology. He maintains an active medical license. Dr. Roberts obtained two baccalaureate degrees (summa cum laude) from the University of Pennsylvania, including a B.S. from the Wharton School of Business (elected Phi Beta Kappa junior year). He obtained his medical degree from Harvard Medical School. Dr. Roberts performed his internal medicine training at the Massachusetts General Hospital and his medical oncology training through the Dana-Farber/Partners Cancer Care Oncology Fellowship Program.

VRS Offsite: Impact of Healthcare Innovation on Life

Thomas G. Roberts, MD, Farallon Capital Management, L.L.C.

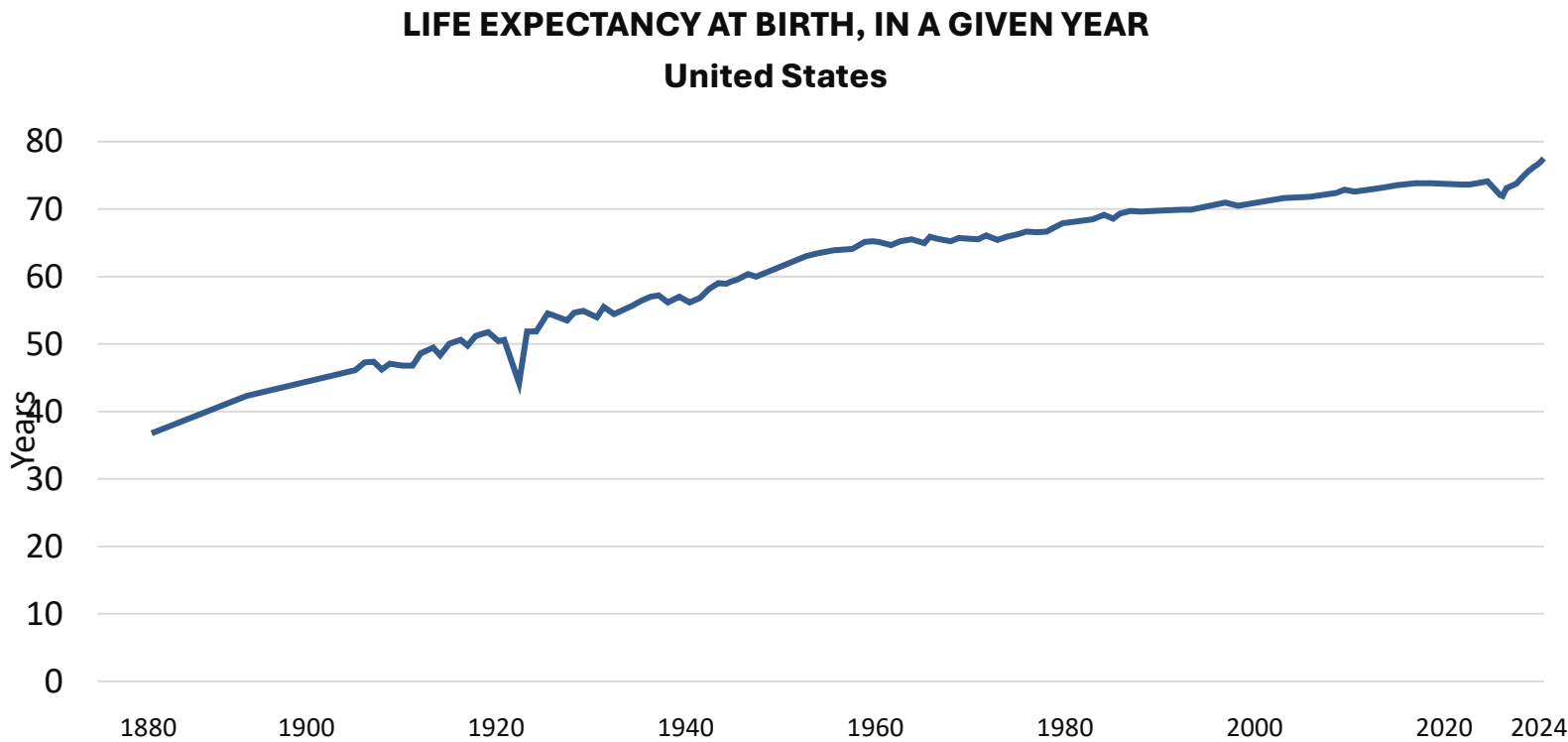
History of Life Expectancy in the US

Year	Life Expectancy (Years)	Change from Previous Period (Years, %)	Notes
1850	38.3	--	Similar to Roman and Medieval lifespans
1900	47.3	9.0 (24%)	Better sanitation, lower childhood mortality
1950	68.2	20.9 (44%)	Antibiotics, vaccines, post-war prosperity
2000	76.8	8.6 (13%)	Lifestyle improvements, cancer treatments
2025	78.8	2.0 (3%)	Biotechnology, innovation

Source: OurWorldInData.org

History of Life Expectancy in the US

Life expectancy in the United States was 70.7 years in 1970. Today it’s nearly 80 years, even after a dip due to the pandemic.

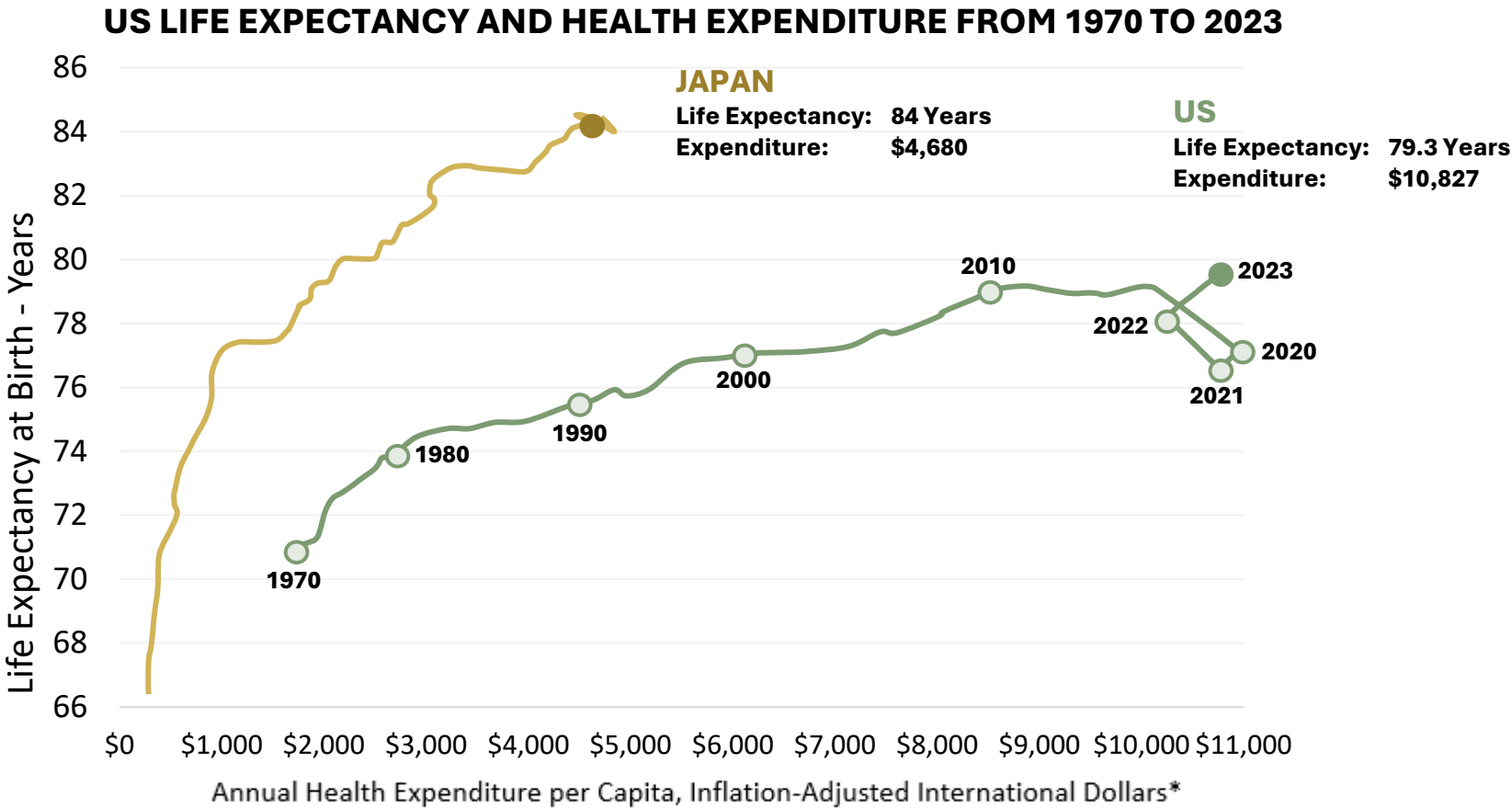


Source: UNWPP (2022); HMD (2023); Zijdemann et al. (2015); Riley (2005); OurWorldinData.org

Healthcare Report Card

REPORT CARD		
Healthcare Environment and Outlook		
	GRADE	OUTLOOK
Innovation	A	↑
Regulatory	A	?
R&D Productivity	A-	↑
Reimbursement	B+	↓
Cost of Capital	B+	↑

Life Expectancy in the US



*The International Dollar (PPP) is benchmarked to the US Dollar and accounts for differences in purchasing power among countries.
Sources: Original figure from Nicholas Rapp at Fortune Magazine (UN, OECO, Our World in Data) Amended with Japanese per-capita health expenditure and life expectancy from Data Commons

Drivers of Longevity



PUBLIC HEALTH

- Plumbing
- Infection Control
- Vaccines
- Prenatal Health
- Improved Car Safety



LIFESTYLE

- Sleep
- Stress
- Relationships
- Diet
- Exercise



MEDICINES

- Antibiotics
- Antihypertensives
- Statins
- Diabetes Control

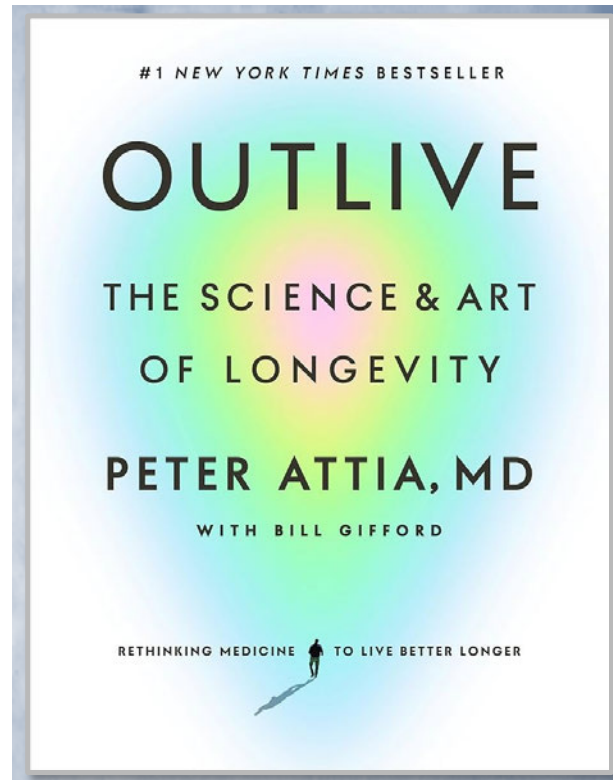
Drivers of Longevity: Public Health – Prenatal Health and the Beginnings of Germ Theory



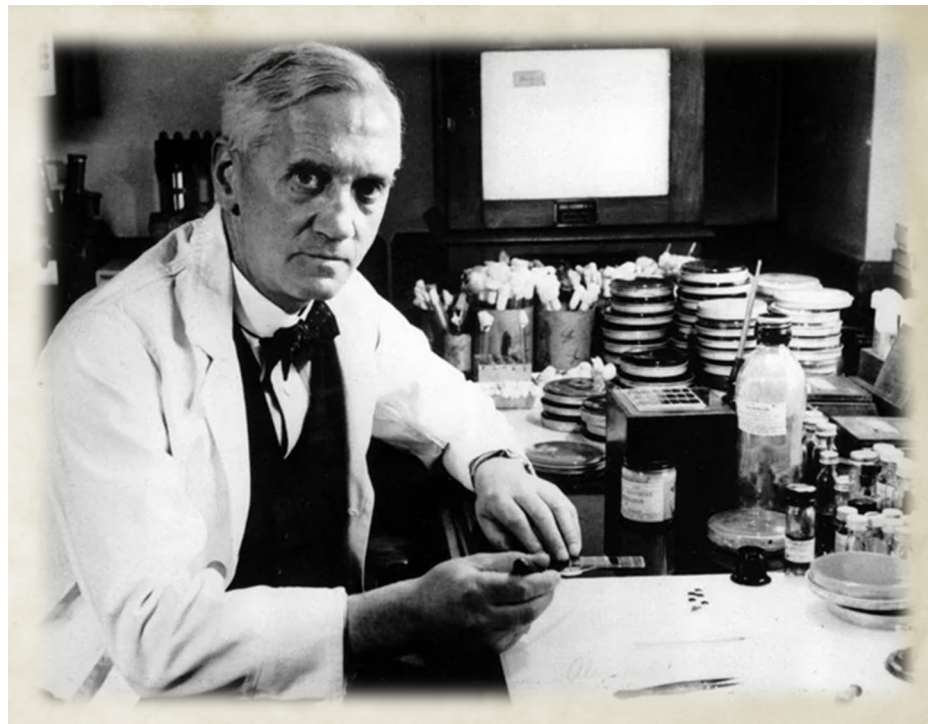
Ignaz Philipp Semmelweis



Drivers of Longevity: Lifestyle








Drivers of Longevity: Medicines - Antibiotics








Alexander Fleming

Top 10 Causes of Death in U.S.A., 2023 (1 to 5)

	Cause of Death	Prevalence	Deaths	Years Potential Life Lost ¹
	Heart Disease	128.0M	680,981	17.4M
	Cancer	18.0M ²	613,352	8.6M
	Unintentional Injury	24.8M ³	222,698	6.3M
	Stroke	9.4M	162,639	2.3M
	Chronic Lower Respiratory Diseases	14.3M ⁴	145,357	1.7M

1) Years of Potential Life Lost; 2) Number of cancer survivors living in US; 3) Number of doctor visits for unintentional injuries in 2018; 4) Chronic obstructive pulmonary disease prevalence given (main driver of CLRD mortality)
Sources: CDC, NIH, US Census, professional medical societies, and leading academic journals. Calculations include proprietary assumptions. Granular data available upon request.

Top 10 Causes of Death in U.S.A., 2023 (6 to 10)

	Cause of Death	Prevalence	Deaths	Years Potential Life Lost ¹
	Alzheimer's Disease	6.9M	114,034	1.3M
	Diabetes	38.0M	95,190	7.1M
	Kidney Disease	35.5M	55,253	3.1M
	Chronic Liver Disease and Cirrhosis	4.5M	52,222	8.4M
	COVID-19	8.4M	49,932	4.5M

1) Years of Potential Life Lost
Sources: CDC, NIH, US Census, professional medical societies, and leading academic journals. Calculations include proprietary assumptions. Granular data available upon request.

METHODOLOGY

Mortality and Prevalence

From the CDC National Center for Health Statistics if available, otherwise from academic societies or studies in top journals

Years of Potential Life Lost

Primarily from the American Heart Association’s 2024 report on Heart Disease and Stroke Statistics with the following exceptions: YPLL¹ for both cancer and accidental injuries were taken from the National Cancer Institute

Example Interventions

Therapies under development that exemplify current areas of scientific, public, and investor interest as well as demonstrate drug developmental paths with well defined regulatory guidelines

Potential Life Years Benefit Per Person Affected

The quotient of YPLL for the treatable population (if available) divided by the population most likely to benefit from that therapy

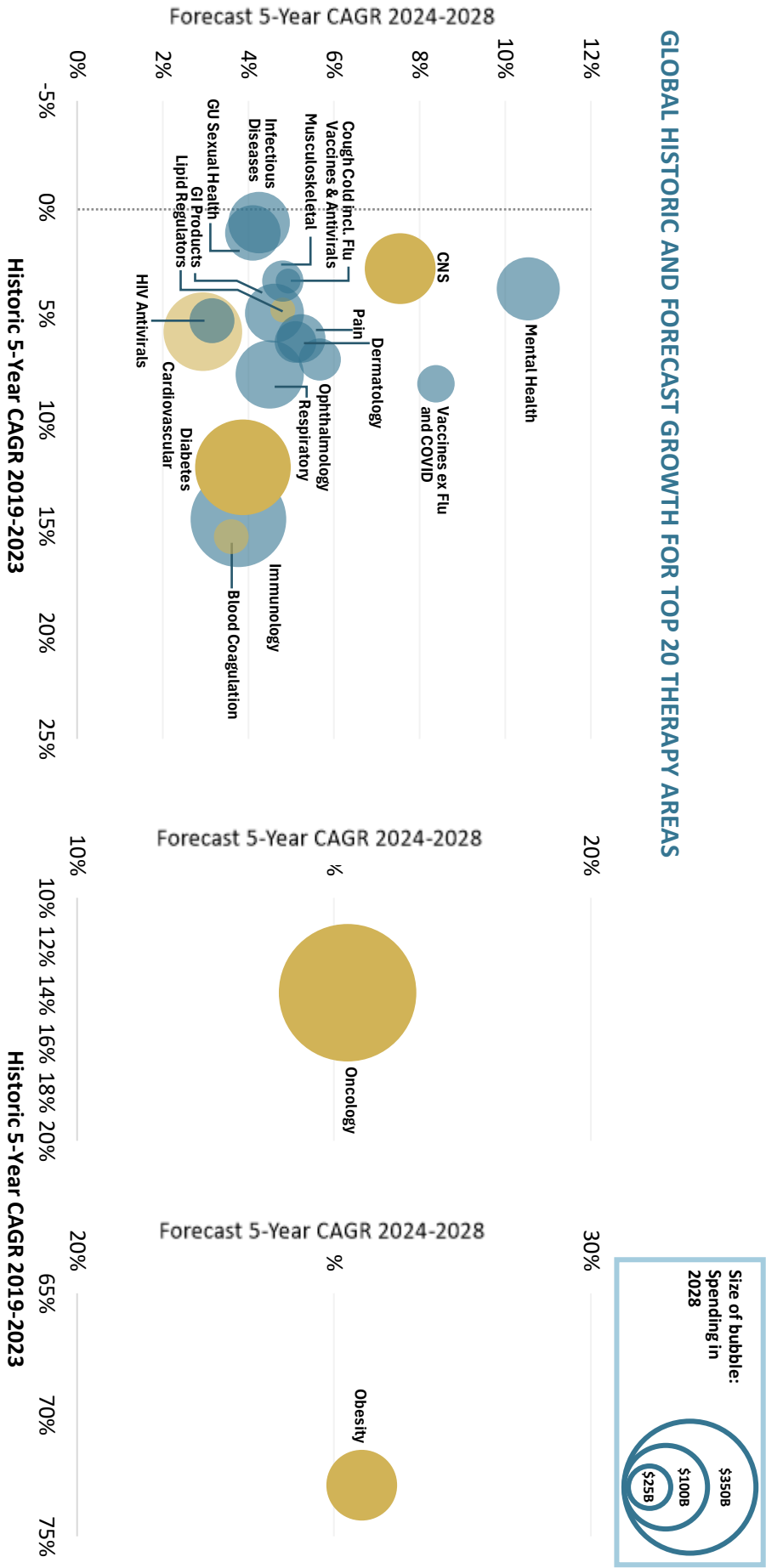
Exceptions are KRAS² driven cancers, for which potential life benefit reflects the average effect size of historical new oncology approvals, and sickle cell disease for which benefit is directly calculated as the difference in lifespan between a sickle cell patient and the average American lifespan

Optimistic view – assumes that the therapies under development fully ameliorate early mortality

1) YPLL: Years of Potential Life Lost; 2) KRAS: Kirsten **RA**t Sarcoma, a gene involved in cellular survival which can drive formation of cancer when mutated






Expenditure Heavily Weighted to Oncology, Diabetes, and Immunology

GLOBAL HISTORIC AND FORECAST GROWTH FOR TOP 20 THERAPY AREAS








Source: IQVIA, The Global Use of Medicines 2024, Outlook to 2028, Jan. 2024. Excludes spending related to COVID.

Interventions: New and Under Development (1 to 5)

Disease / Treatment Area		Diagnosis	Therapy and Technology	Prevalence*
 Heart Disease	Resistant Hypertension	Angiotensinogen silencing with siRNA	24M	
 Heart Disease	Coronary Disease	Lp(a) silencing with siRNA and ASO	5.7M	
 Cancer	KRAS Driven Solid Tumors	Multi-KRAS inhibitors	197K (incidence)	
 Stroke	Thromboembolism in DOAC restricted pts	Anti FXI therapy	39.9K (incidence)	
 Chronic Lower Respiratory Diseases	COPD	Ensifentrine	14M	

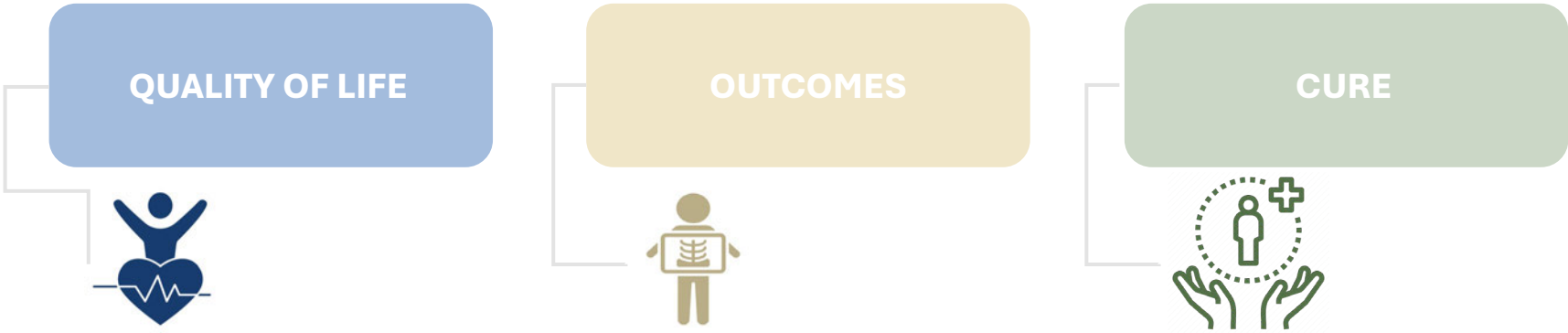
siRNA: small interfering ribonucleic acid; **ASO:** anti-sense oligonucleotide; **Lipid:** lipoprotein(s); **VIRAS:** Kirsten Ras Sarcoma gene; **DONAC:** direct oral anti-coagulant; **PXI:** coagulation factor eleven

Interventions: New and Under Development (6 to 10)

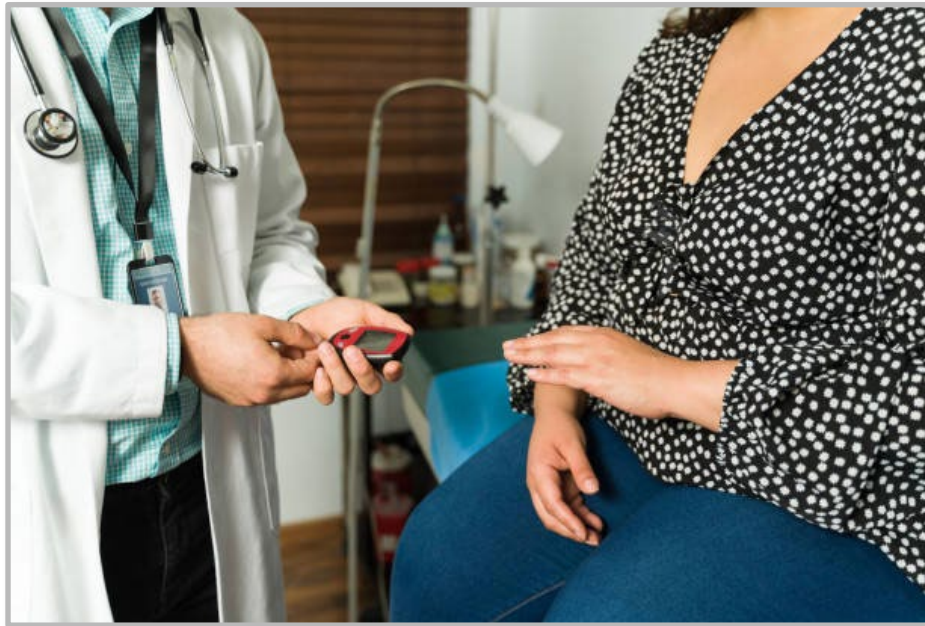
Disease / Treatment Area		Diagnosis	Therapy and Technology	Prevalence*
 Alzheimer's		Mild to Moderate Cognitive Impairment	Amyloid clearance and gene silencing	5.5M
 Diabetes		Uncontrolled FBG	B-cell implants	7.1M
 Kidney Disease		Stage 5 ESRD	Xenotransplant	532K
 MASH (liver disease)		F3 F4 (compensated)	Efruxifermin	0.5M
 Genetic Diseases		Sickle Cell Disease	Gene Editing Therapy	100K

FBG: fasting blood glucose; ESRD: end stage renal disease; MASH: Metabolic dysfunction associated steatohepatitis; F3/4: fibrosis levels ranked 1 (lowest) to 4 (highest)
*Calculations include proprietary assumptions. Estimates are preliminary and for illustrative purposes, based on best available data and methods. Granular data available upon request.
Sources: CDC, NIH, US Census, professional medical societies, and leading academic journals.

Intervention Examples



Patient Vignette: Diabetes and Obesity



Diabetes and Obesity: 15 Years Ago



THERAPY

AVAILABLE THERAPIES

- Biguanides
- Dipeptidyl ptidasee-4 inhibitors
- Sodium-Glucose Cotransporter 2 inhibitors
- Sulfonylureas
- Thiazolidinedione
- Insulin



QUALITY OF LIFE

STRUGGLE TO CONTROL GLUCOSE

- Over 20% struggle with glucose control, leading to a sense of failure
- Managing the condition can dominate daily life
- Excess weight negatively impacts prognosis and QoL
- Increased fatigue makes physical activity challenging
- As a result, healthier lifestyle changes become more difficult
- Illness speeds up degeneration
- Joint degeneration
- Vision problems



OUTCOMES

HIGH RATES OF COMPLICATIONS

- Retinopathy in 26%
- Neuropathy rates
- Autonomic: 30%
- Peripheral: 42%
- Peripheral artery disease: 20%-50%
- Foot ulcers: 15%-34%



THERAPY

CURRENT THERAPIES

- GLP1-R agonists
- Semaglutide

- GIP agonist & antagonists
- Tirzepatide (GLP/GIP dual agonist)

Other incretins

- Cagrilintide

EMERGING TECHNOLOGIES

- Myostatin inhibitors—driving muscle growth
- Bimagrumab

CBD receptor modulators

- Monlunabant

β cell transplants

GLP: Glucagon-Like Peptide; GIP: gastric inhibitory polypeptide; CBD: Cannabidiol; ADL: activities of daily living
1) Approximate ΔA1c with tirzepatide in SURPASS-4 trial (Dei Prato, 2021)



QUALITY OF LIFE

FEELING BETTER

- Improved physical functioning:
- Accomplish ADLs
- Increased exercise ability
- Reduced pain

AGEING BETTER

- Slowing degeneration:
- Improved joint health
- Activation of cytoprotective pathways
- Reduced oxidative stress



OUTCOMES

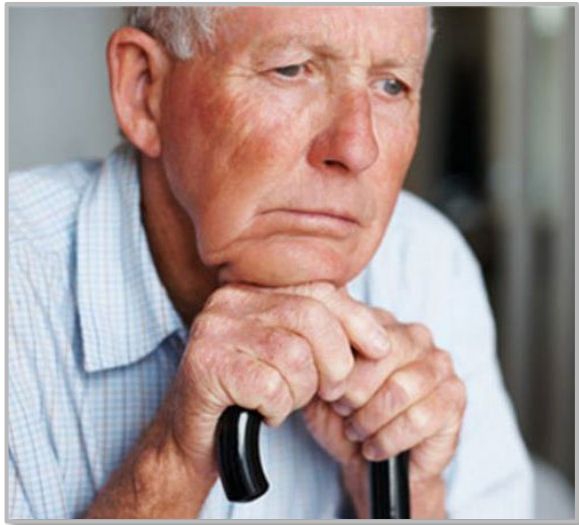
IMPROVED BLOOD SUGAR of ~2.4%¹

- Could be the difference:
- Eligibility for surgery
- Successful pregnancy
- Vision loss
- Painful neuropathy

MUSCLE GAIN AND RETENTION

- Increased muscle will likely reduce fat through increased resting metabolic rate
- Could be the difference:
- Falls
- Fractures
- Frailty

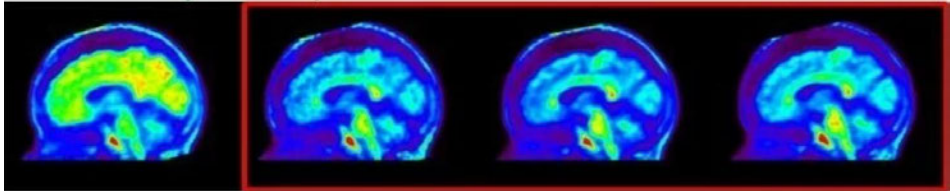
Patient Vignette: Alzheimer’s Disease



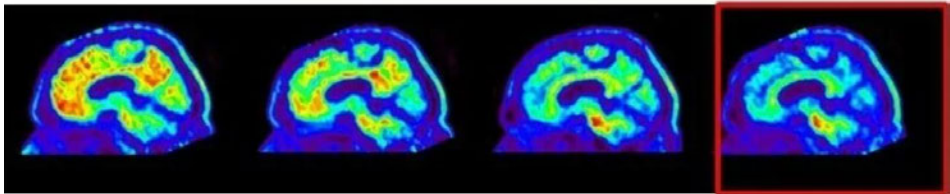
AMYLOID PLAQUE REDUCTION AFTER TREATMENT

Donanemab (76 weeks) Below 11 Centiloids

PATIENT A

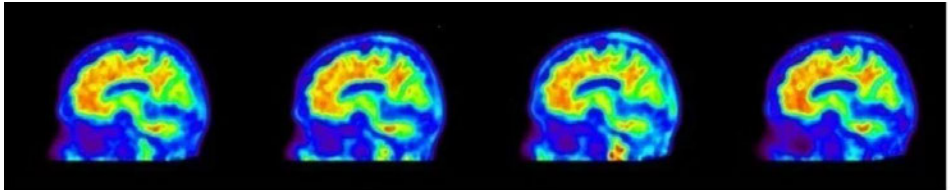


PATIENT B



Placebo (76 weeks)

PATIENT C



Alzheimer's Disease: 15 Years Ago



THERAPY

AVAILABLE THERAPIES

- Acetyl CoA esterase inhibitors
- Donepezil
- NMDA antagonists
- Memantine



QUALITY OF LIFE

PROGRESSIVE LOSS OF FUNCTION

- Loss of emotional regulation
- Cognitive decline
- Loss of ability to perform ADLs

PROGRESSIVE LOSS OF ROLE

- Decreasing ability to fulfill family and social role



OUTCOMES

UNINHIBITED DISEASE COURSE

- Disease course proceeds at natural rate
- Severe dementia
- Inability to feed or care for self

SECONDARY ILLNESS

- Loss of self care results in
- Bed sores
- Infection
- Nutritional deficiencies

Alzheimer's Disease: Present



THERAPY

CURRENT TREATMENTS

- mAbs against Aβ plaques
- Plaque clearance

EMERGING TECHNOLOGIES

- Prevention of pathologic protein production
- Gene silencing
- RNAi, ASO
- Small molecule translation inhibitors
- Aβ monomer stabilization
- Aβ vaccine
- Muscarinic receptor agonism



QUALITY OF LIFE

FEELING BETTER

- Improved emotional regulation
- Less confusion

AGEING BETTER

- Maintain independence
- Maintain role in family and social circles
- Prevent personality changes



OUTCOMES

DELAY OF DISEASE LIMITATIONS

- Prevent or delay need for
- Supervision
- Assistance with ADLs
- Professional care and separation from family

PREVENTION OF SECONDARY ILLNESS

- Illnesses due to poor self care
- Bed sores
- Nutritional deficiencies

Patient Vignette: Genetic Treatments And Cures – Spinal Muscular Atrophy



Genetic Diseases: 15 Years Ago



THERAPY

AVAILABLE THERAPIES

- Palliative and supportive
- No targeted therapy
- SMA THERAPIES**
 - Pain control
 - Mobility devices
 - Respiratory support
- SCD THERAPIES**
 - Pain control
 - Transfusions for anemia
 - HU approved in 1998: 1st DMT



QUALITY OF LIFE

TIED TO GENETIC DESTINY

- Limited ability to modify the course of illness
- Therapy goal of maximizing comfort or adapting to live with condition
- SMA QOL**
 - Progressive decline in function predictable
 - Allows PT/OT and respiratory interventions as needed
- SCD QOL**
 - Exercise intolerance
 - Fear of VOC at any moment



OUTCOMES

HISTORICAL

- Outcomes were much the same as they were before modern medicine
- SMA OUTCOMES**
 - Type 0: <6 months
 - Type 2: <30 years
 - Limited lifespan
- SCD OUTCOMES**
 - Limited lifespan
 - 1970: <20 years
 - Today: 50 years
 - With gene therapy: normal

Genetic Diseases: Present



CURRENT TREATMENTS

Hematology

- Hemophilia A/B
- Sickle Cell Disease
- Thalassemia

CNS

- Spinal Muscular Atrophy

EMERGING TECHNOLOGIES

Hepatology

- α 1 Anti-Trypsin Deficiency
- Glycogen Storage Disease 1a

Cardiovascular Health

- Familial Chylomicronemia
- Hyper Lp(a)



FEELING BETTER

Sickle Cell Disease:

- Prevention of painful VOCs
- Improved exercise & activity tolerance

AGEING BETTER

α 1 Anti-Trypsin:

- Prevention of COPD
- Prevention of cirrhosis



REMOVAL OF DISEASE LIMITATIONS

Hemophilia:

- Elimination of activity restrictions
- Normalization of lifestyle

PREVENTION OF SECONDARY ILLNESS

Hyper Lp(a)

- Prevention of stroke and myocardial infarctions

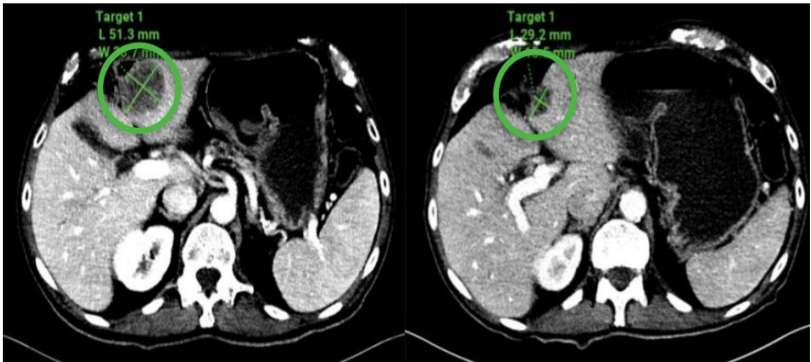
VOC: vaso-occlusive crisis; COPD: chronic obstructive lung disease

Patient Vignette: Oncology



Baseline

Week 12



Target Lesion: Liver (segment 3)

KRAS Q61H PANCREATIC

CT image source: Revolution Medicines

Oncology for KRAS-Driven PDAC: 15 Years Ago



THERAPY

AVAILABLE THERAPIES

- Surgery
- 20% of cases are eligible
- Systemic chemotherapy
- FOLFIRINOX & gemcitabine regimens

OTHER KRAS CANCERS

- 30% of SCLC
- 50% of CRC



QUALITY OF LIFE

CHEMO RELATED DECLINE

- Fatigue, breathlessness
- Nausea, diarrhea/constipation
- Neuropathy
- Hemocytopenia

CANCER RELATED DECLINE

- Venous thromboembolism
- Fatigue
- Pain
- Cachexia
- Disseminated intravascular coagulation



OUTCOMES

POOR SURVIVAL

- Stage I or II
- 5-year survival: 12.5%
- Median survival: 1.5 -3.5 yrs
- Metastatic
- 5-year survival: <3%
- Median survival: 4-7 months

VERY RARELY CURED

Small cancers, if found incidentally and fully resected

Oncology for KRAS-Driven Cancers: Present



THE THERAPY

- NEAR FUTURE**
- Inhibitors of G12C in “OFF” state
 - Lumakras (sotorasib)
 - Krasati (Adagrasib)
 - MRTX1133

EMERGING TECHNOLOGIES

- Multit KRAS inhibitors
- ON state inhibitor
 - Daraxonrasib (RMC-6236)
 - OFF state inhibitors
 - BI 3706674

QUALITY OF LIFE



- REDUCED SIDE EFFECTS**
- Targeted therapy has less systemic toxicity, reducing
- Nausea/vomiting
 - Chemo related cytopenia and neuropathy

INCREASED TIME WITH FAMILY

- Allows patients more time to get their affairs in order and spend time with loved ones

OUTCOMES








- IMPROVED SURVIVAL**
- Unknown increase in duration
 - Will be measured in months

DELAYED CANCER RELATED DECLINE






- Delayed course compared to chemo-only therapy

Interventions: New and Under Development (1 to 5)

Disease / Treatment Area	Diagnosis	Therapy and Technology	Prevalence*	Potential Life Years of Benefit Per Person*	Potential Effect on Average US Lifespan*
 Heart Disease	Resistant Hypertension	Angiotensinogen silencing with siRNA	24M	~0.3 yrs	+8.4 days
 Heart Disease	Coronary Disease	Lp(a) silencing with siRNA and ASO	5.7M	~1.5 yrs	+9.3 days
 Cancer	KRAS Driven Solid Tumors	Multi-KRAS inhibitors	197K (incidence)	~2.8 mos	+0.05 days
 Stroke	Thromboembolism in DOAC restricted pts	Anti FXI therapy	39.9K (incidence)	~3.0 yrs	+0.1 days
 Chronic Lower Respiratory Diseases	COPD	Ensifentrine	14M	QOL improvement	None
SUB TOTAL					+17.9 DAYS

siRNA: small interfering ribonucleic acid; ASO: anti-sense oligonucleotide; Lp(a): Lipoprotein (a); KRAS: KirstenRAS Sarcoma gene; DOAC: direct oral anti-coagulant; FXI: coagulation factor eleven
*Calculations include proprietary assumptions. Estimates are preliminary and for illustrative purposes, based on best available data and methods. Granular data available upon request.
Sources: CDC, NIH, US Census, professional medical societies, and leading academic journals.

Interventions: New and Under Development (6 to 10)

Disease / Treatment Area	Diagnosis	Therapy and Technology	Prevalence*	Potential Life Years of Benefit Per Person*	Potential Effect on Average US Lifespan*
 Alzheimer's	Mild to Moderate Cognitive Impairment	Amyloid clearance and gene silencing	5.5M	~0.2	+1.2 days
 Diabetes	Uncontrolled FBG	B-cell implants	7.1M	1 yrs	+7.7 days
 Kidney Disease	Stage 5 ESRD	Xenotransplant	532K	5.9 yrs	+3.4 days
 MASH (liver disease)	F3 F4 (compensated)	Efruxifermin	0.5M	3.3 yrs	+ 0.8 days
 Genetic Diseases	Sickle Cell Disease	Gene Editing Therapy	100K	26 yrs	+2.8 days
				SUB TOTAL	+15.9 DAYS

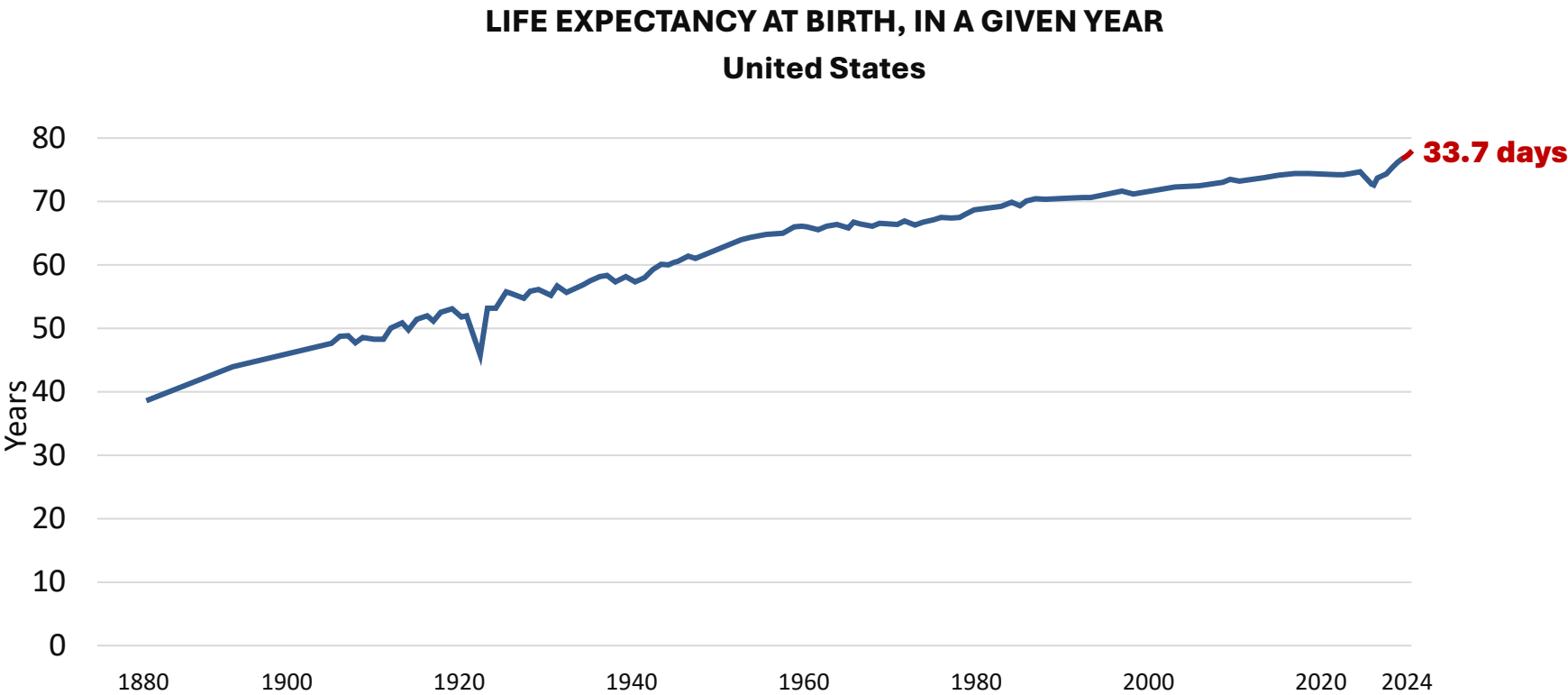
FBG: fasting blood glucose; ESRD: end stage renal disease; MASH: Metabolic dysfunction associated steatohepatitis; F3/4: fibrosis levels ranked 1 (lowest) to 4 (highest)
*Calculations include proprietary assumptions. Estimates are preliminary and for illustrative purposes, based on best available data and methods. Granular data available upon request.
Sources: CDC, NIH, US Census, professional medical societies, and leading academic journals.

Total Impact on US Lifespan

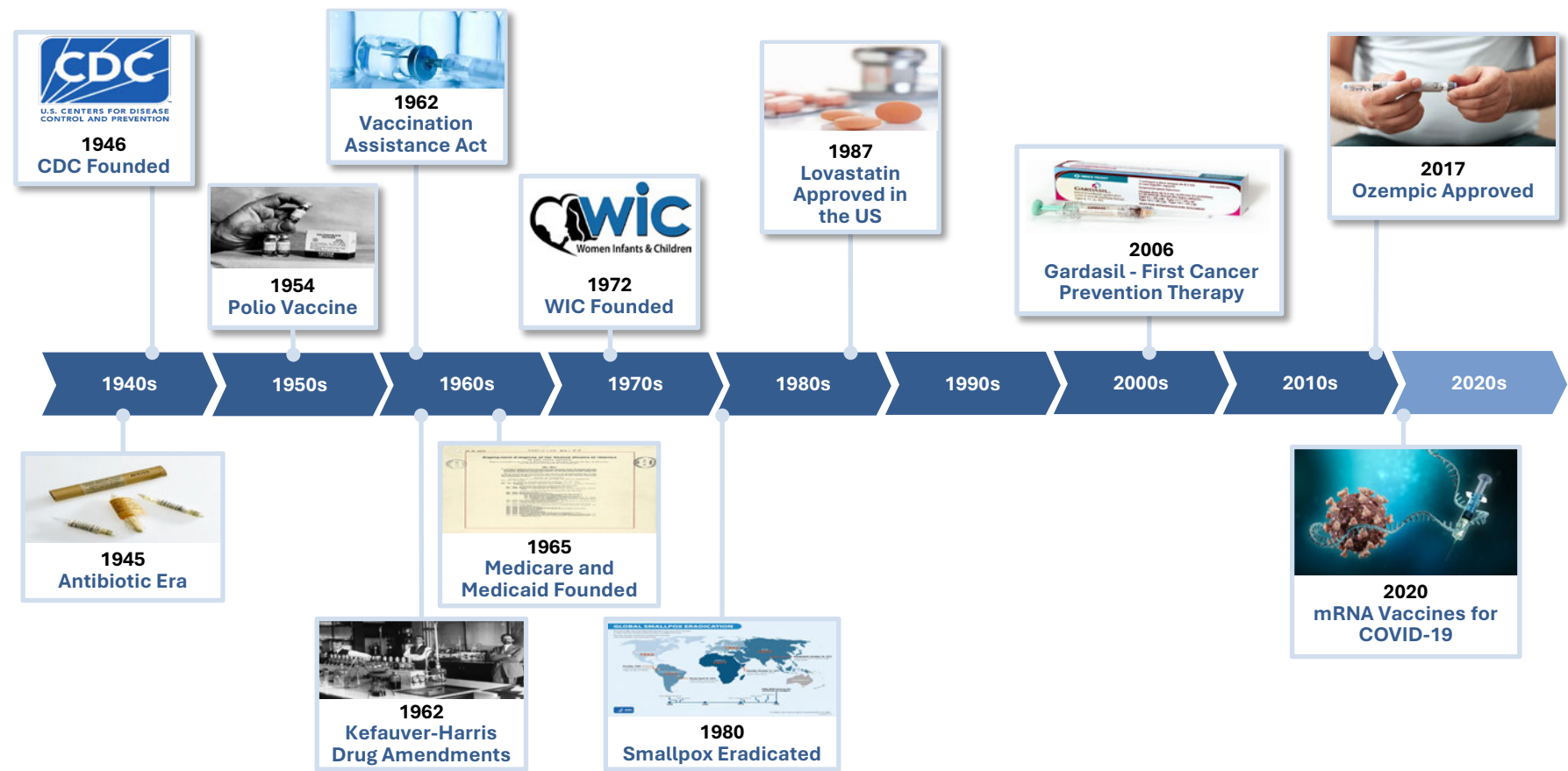
THEORETICAL EFFECT ON MORTALITY FROM SELECTED INNOVATIVE INTERVENTIONS

33.7 days

Total Impact on US Lifespan



Advancing Medicine at a Population Scale: Science, Policy and Politics



Source: CDC, World Health Organization, Nature, CMS, NWICA, The Journal of the American Medical Association, Multidisciplinary Digital Publishing Institute, FDA, Mayo Clinic.

Potential Large Disruptors: Opportunities and Horizons

Near Future



**Large
Advances for
Small
Populations**

Medium Term



**AI-Enabled Drug
Design
Regulatory
Streamlining**

Distant Future



**Paradigm
Shift in
Medical
Sciences**

On Humanity



This presentation is preliminary and unaudited and has been prepared by the speaker as of March 2025. The information herein is for informational purposes only and the presentation may not provide all relevant or necessary information regarding a particular subject.

The statements in this presentation reflect the current particular views, beliefs and assessment of the speaker, are being provided upon your request, and are based on the speaker's research, experience, observations and analyses. This presentation has been prepared from sources and data believed to be reliable; however, no representations are made as to the accuracy or completeness of those sources or data and the statements herein have not been independently verified. While the speaker is a principal of Farallon Capital Management, L.L.C. (together with its affiliates and exclusive sub-advisers, "Farallon," the information within does not constitute investment advice, or even Farallon's views as they relate to investments in the healthcare sector. This presentation should be considered to be current only as of the date indicated and no person shall have any obligation to update, supplement or correct the information herein or otherwise provide additional information. In addition, this presentation may contain forward-looking statements and projections that are based on the speaker's current beliefs and assumptions and on information currently available that the speaker believes to be reasonable; however, such statements necessarily involve risks, uncertainties and assumptions. Farallon disclaims all responsibility for assumptions, projections, characterizations, opinions and forward-looking statements within this presentation and make no claims as to the usefulness, accuracy or adequacy of such assumptions, projections, characterizations, opinions and forward-looking statements. Accordingly, you are cautioned not to rely on any such assumptions, projections, characterizations, opinions and forward-looking statements for any purpose.

The information herein is intended for discussion purposes only and represents neither an offer to sell nor a solicitation of any offer to buy any securities and is not authorized for use in connection with any such offer. No offer or solicitation may be made prior to the delivery of definitive offering materials. No graph, chart, formula or other analysis presented herein (i) can in and of itself be used to determine which securities to buy or sell, or when to buy or sell them, or (ii) will in and of itself assist any person in making his or her own decision as to which securities to buy or sell, or when to buy or sell them.

Closing Remarks

Day 2

Andrew Junkin
Chief Investment Officer



Helping members
plan for tomorrow,
today

