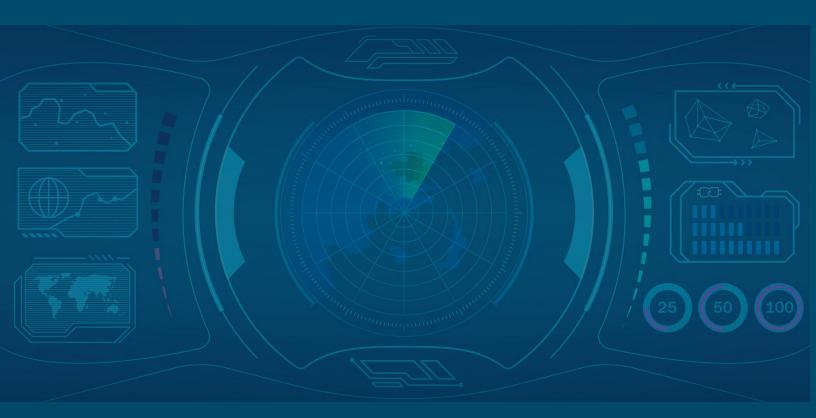
March 2024

### MARKET DRIVERS INSIGHT REPORT

Risk appetite encouraged by Fed lending conviction to the expectation that easing will commence in June

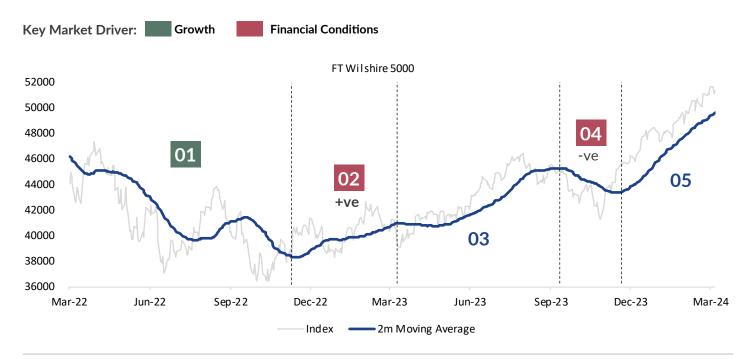


#### **Contents**

- 03 Growth Cycle Analysis
- 04 Inflation Cycle Analysis
- 05 Financial Conditions Analysis
- 06 Profit & Earnings Cycle Analysis
- 07 Valuation Cycle Analysis
- 08 Perspectives
- 09 Sentiment Analysis
- 10 Market Driver Pulse Sheets

# FT Wilshire 5000 continues to hit new highs riding the wave of Al optimism as the Fed successfully reigns in market rate cut expectations

#### Market Driver Rotation Since March 2022



# **O1** Declining Growth Expectations

Downgrades to consensus US GDP **growth** forecasts accelerate as US inflation hits highest level since 1981 leading to heightened **recession** fears.

# **O2** Financial Conditions Begin to Ease

Risk appetite buoyed and market rebounds on hopes of soft landing and expectations of peak US rates as financial conditions ease back from restrictive levels.

## The 'Magnificent 7' and AI-Trade drive the US market

Al theme turbo charges US market as 'Magnificent 7' stocks collectively contribute two-thirds of FT Wilshire 5000 H1 2023 total returns.

### Fed Tightens Financial Conditions

**Tightening financial conditions** weighs on risk appetite. Markets reassess trajectory of US 2024 rates on Fed chair Powell's hawkish Jackson hole symposium comments.

### O5 AI (Nvidia) Optimism

Optimism over **Al-focused** stocks help drive FT Wilshire 5000 to new all-time highs. Market breadth is narrow (weak) with Nvidia alone contributing over a quarter of the YTD return.

# Growth Cycle Analysis: Continued upgrades to US 2024 GDP forecasts implies a more modest US rate cut cycle

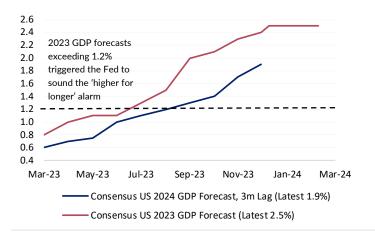
**Chart 1:** We have witnessed a sizeable divergence in (positive) revisions to US GDP forecasts vs elsewhere

GDP Forecasts (%)											
			Chg in 2024	2024							
	2023 GDP	Consensus	Forecast	Central							
	Growth	2024 Forecast	Over Last	Bank							
			6m (Bps)	Forecast							
US	3.2	1.9	+115	2.1							
UK	-0.2	0.4	-10	0.25							
Eurozone	0.1	0.5	-40	0.6							
Japan	1.3	0.7	-30	1.0							
China	5.2	4.6	-20	5.0							

**Chart 2:** Further upgrades to US GDP forecasts are not consistent with the need for substantial US rate cuts

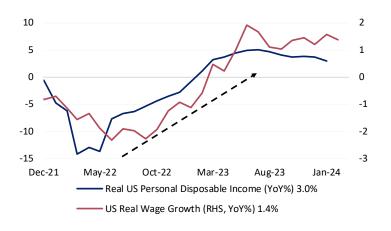
the continued upgrades to consensus 2024 US GDP forecasts on the back of robust economic data, and other major regions which have seen (modest downgrades) over the last 6 months. The Fed has also raised its 2024 forecast from 1.4% to 2.1%.

In the table we highlight the contrast between



As consensus US 2024 GDP forecasts rise so to does the risk of a 2023 redux. Further upgrades to 2024 forecasts and a continuation of better than expected economic data are likely to mean a more shallow rate cut cycle.

Chart 3: A robust backdrop for US consumption has been a key driver behind 2024 US growth upgrades



Favourable tailwinds behind US consumption have been a key driver of upgrades to 2024 GDP forecasts. Real wage growth and personal disposable income have shifted into (and remained in) positive territory, which prove problematic for the Fed in meeting its objectives.

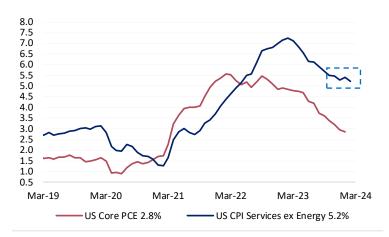
# Inflation Cycle Analysis: The Fed remain cognisant of declaring victory on inflation with services prices remaining sticky

**Chart 1:** Consensus and central bank forecasts still show optimism over continued disinflation in 2024

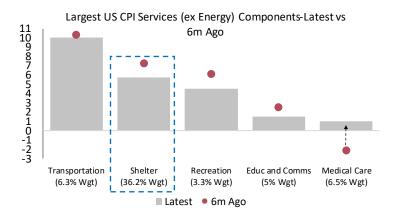
Consensus and Central Bank CPI Forecasts (%)											
	Latest CPI	Y/E 2022 CPI Level	Consensus Y/E 2024 Forecast	Central Bank Y/E 2024 Forecast							
US	3.2	6.4	2.6	2.6*							
UK	3.4	10.5	2.8	2.75							
Eurozone	2.6	9.2	2.4	2.3							
Japan	2.1	4.0	2.2	2.8							
China	0.7	1.8	1.1	<3.0							

<sup>\*</sup>Fed forecasts based on Core PCE

**Chart 2:** Services disinflation is critical in bringing inflation sustainably back to the Fed's target level



**Chart 3:** Shelter has seen (modest) disinflation over the past 6 months. Other key components remain sticky



US inflation has proven stickier than expected with headline CPI yet to break back below 3%. Despite this both consensus and central bank forecasts continue to show conviction that inflation will ease back towards pre-Covid levels by the end of 2024.

Chair Jay Powell has emphasised that he was still waiting to become more confident inflation is moving sustainably to 2% before cutting rates. A concern for the Fed is that progress on services disinflation (c65% weighting and still elevated) appears to be stalling.

Its been encouraging to see disinflation in shelter costs (the largest component of US services CPI). Transportation services have remained elevated and sticky, while medical care inflation has reaccelerated over the past 6 months.

# Financial Conditions Cycle Analysis: Markets now onboard with Fed's view of a shallower US rate cut cycle in 2024 with the first cut likely in June

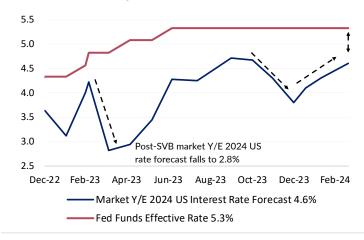
**Chart 1:** There has been a notable reassessment on the extent of rate cuts in 2024 across many markets

Regional Interest Rate Expectations (%)										
		Y/E 2024	Chg in	Y/E 2024						
	Latest	Market	Forecast Since	Central Bank						
		Forecast	31 Dec (Bps)	Forecast						
US	5.25-5.5*	4.6	+80	4.6						
UK	5.25	4.4	+30	4.2						
Eurozone	4.0	3.1	+65	3.4**						
Japan	0.0-0.1	0.1	0							
Canada	5.0	4.5	+60							
Australia	4.35	3.9	+20							
China	3.45	3.0	-50	I J						

\*Fed funds target rate \*\*ECB 3m EURIBOR forecast

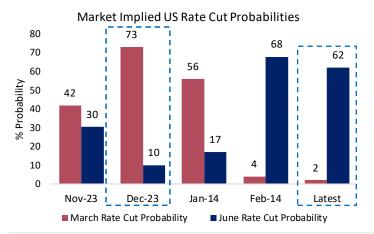
Markets have continued to pare back expectations over the extent of rate cuts in 2024 across many developed markets, most notably the US. In March the Bank of Japan raised the main policy rate into positive territory for the first time since 2016 (for information on regional aggregate financial conditions see page 13).

**Chart 2:** Market's are now pricing in 75bps of cuts this year-inline with Fed projections



The market's view on the extent of US rate cuts in 2024 has shifted markedly over the past 12 months. At the start of the year markets had priced in around 150bps of cuts, this has now moved to 75bps and inline with Fed projections.

**Chart 3:** Market's have pushed out the timing of the first US rate cut to June



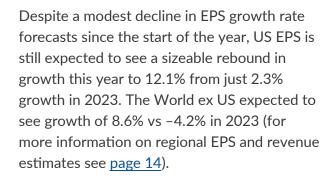
Markets have pushed out the timing of the first US rate cut after high conviction of a 25bps cut in March at the start of the year. The probability of a June cut currently sits at around 62%. Markets are also currently pricing in June rate cuts in the UK and Eurozone.

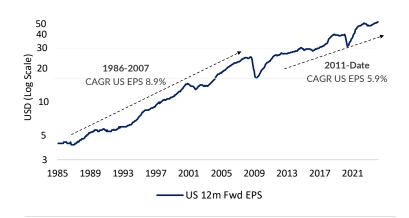
# Profit Cycle Analysis: Modest downgrades since the start of the year but a sizeable recovery in US EPS growth still expected in 2024

**Chart 1:** Markets expecting a strong bounce-back in EPS growth in 2024

Regional EPS Growth Forecasts (%)										
	2023 EPS Growth	2024 Growth Forecast	Chg in 2024 Forecast Since 31 Dec (Bps)							
US	2.3	12.1	-90							
UK (GBP)	-9.9	3.2	-170							
Europe ex UK (EUR)	9.6	9.8	-70							
Japan (JPY)	8.2	11.7	70							
Asia Pac ex Japan (USD)	-8.6	21.2	40							
Emerging Markets (USD)	-5.0	17.1	-40							
China (CNY)	-5.0	24.7	30							
World ex US (USD)	-4.2	8.6	-50							

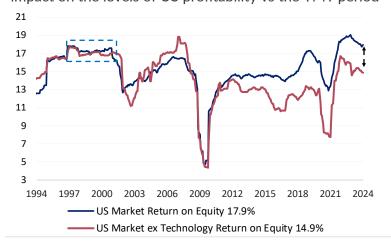
**Chart 2:** Comparing the CAGR of US EPS in the pre and post GFC eras





The US EPS cycle has again broken above prior peak levels. The compound annual growth rate (CAGR) of US EPS in the post-GFC period has been 5.9%. This compares to 8.9% in the decades leading up to the GFC.

**Chart 3:** The technology sector now has a more substantial impact on the levels of US profitability vs the TMT period



When we exclude the technology sector (red line) we can see US ROE has been significantly lower than the aggregate US market (blue line) in the post-GFC era. This compares to the TMT period where the technology sector had little impact on the profitability of the underlying US market.

# Valuation Cycle Analysis: US 12m forward PE hits 21x for the first time in two years but valuations still below the TMT-era extremes

Chart 1: The US 12m forward PE has risen to 21x for the first time since February 2022

Regional 12m Forward PE Comparison										
	Latest 12m Fwd PE	Peak Level (2021)	% Below Peak Level							
US	21.0	24.6	-14.7							
Europe ex UK	14.6	18.2	-20.2							
Emerging	14.6	18.5	-21.4							
Japan	15.0	19.4	-22.8							
World ex US	13.8	18.1	-23.7							
Asia Pac ex Japan	13.9	18.7	-25.9							
UK	11.4	16.5	-30.9							
China	10.5	17.2	-38.6							

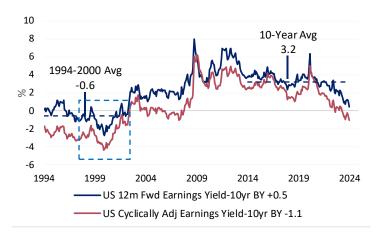
The US 12 month forward PE hit 21x for the first time in over two years. Despite the rerating, US valuations remain almost 15% below the prior peak reached in early 2021 (see page 15 for more information on regional valuations)

Chart 2: The US hit a similar 12m forward PE to the TMT peak after the post-Covid boost in early 2021



The US 12m forward PE (blue line) hit similar levels to the height of the TMT bubble in early 2021 (around 25x). Having traded at a similar valuation to the US through much of the late 90s, the World ex US 12m forward PE (red line) currently sits at similar levels to the lows hit in the aftermath of the TMT bubble.

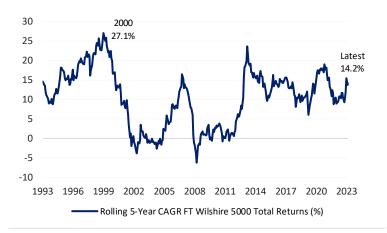
**Chart 3:** Fed Model valuation sits (just) above TMT period average levels and is flashing amber



We have seen a further decline in the equityrisk premium (here using the Fed Model valuation). Using a 12m forward earnings yield, the Fed Model valuation sits just above TMT period average levels. Using the cyclicallyadjusted earnings yield, the Fed Model is now in negative territory.

# Perspectives: Contrasting the FT Wilshire 5000 now vs the TMT period shows a significantly more concentrated market

**Chart 2:** The TMT period witnessed substantially higher compound returns, peaking at over 27.1% in 2000



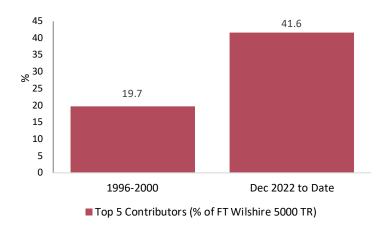
During the bull market of the mid-90's, the FT Wilshire 5000 was delivering strong double-digit 5-year compound annual returns, peaking at over 27% in 2000. This is almost twice the CAGR of returns delivered over the past five years.

**Chart 2:** The concentration of the FT Wilshire 5000 is far higher now than during the peak of the TMT period



During the TMT period, the combined weighting of the top 5 largest stocks rose to 12.9% in 2000, before falling to just 6.8% in 2005. In March the weight of the top 5 stocks rose to 21.3%-the highest concentration in over 40 years.

**Chart 3:** Just 5 stocks have contributed over 40% of the FT Wilshire 5000 return since the start of last year



Further emphasising the concentration of the US market, we can see that since the start of last year the top 5 stock contributors have accounted for over 40% of the FT Wilshire 5000 return. This is over twice as much as during the height of the TMT period.

# Sentiment Analysis: Narrowly-focused exuberance as Al-trade (Nvidia) continues to drive FT Wilshire 5000 to new highs in March

**Chart 1:** The NAAIM US equity exposure index has hit the highest level in over three years



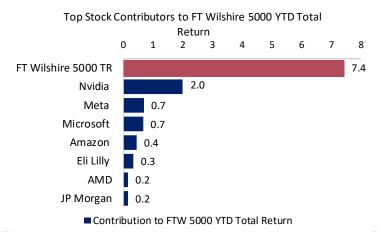
As the FT Wilshire 5000 makes new all-time highs in March the National Association of Active Investment Managers (NAAIM) US equity exposure index has risen to its highest in over 3 years, now exceeding the levels reached in the prior market peak in January 2021.

**Chart 2:** The percentage of stocks above their 200 DMA has declined reflecting the narrow US market breadth



Although US markets have hit new highs, the percentage of US stocks above their respective 200 DMA has actually declined since the start of the year, largely reflecting the narrow (weak) market breadth. The FT Wilshire 5000 equal-weighted index has underperformed the market cap weighted index by -6.7% YTD.

**Chart 3:** Nvidia has contributed over a quarter of the FT Wilshire 5000 year to date return



Demonstrating how narrow and concentrated the US market has been, just six stocks have contributed almost 60% of the FT Wilshire 5000 YTD total return. Nvidia alone has contributed 27% of the return (2% of 7.4%).

### MARKET DRIVER PULSE SHEETS

#### IN THIS REPORT

#### 11 Multi-Asset Returns

A snapshot of asset class returns over MTD and YTD

### 12 Growth and Inflation Cycle

Regional historical Real GDP and CPI compound annual growth rates, rolling 12-month forward GDP forecasts, change in consensus GDP forecasts, measures of US inflation and regional CPI weightings

#### 13 Financial Conditions

Monetary policy and credit cycle barometers, real effective exchange rates, central bank balance sheets and real M2 money supply

#### 14 Profit and Earnings Cycle

Regional 2024 EPS and revenue forecasts with compound annual growth rates, regional 12-month forward EPS and revenue cycle, US EPS and revenue analyst estimate trails

### 15 Valuation Cycle

Regional valuation summary (absolute and relative), 12-month forward PE ratios, CAPEs

#### 16 Technical Analysis

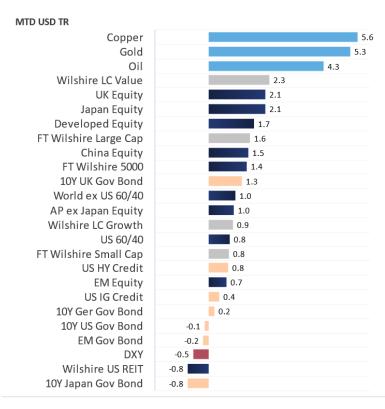
FT Wilshire 5000 with moving averages, key FT Wilshire index Relative Strength Indexes (RSI), % stocks above 200-day moving average, gap between 200-day moving average and index, regional RSIs

#### 17 Global Equity Market Returns

- 18 Sector Returns and Contribution
- 19 Risk vs Return 1 year and 10 year
- 20 Regional Market Cap and Sector Weights

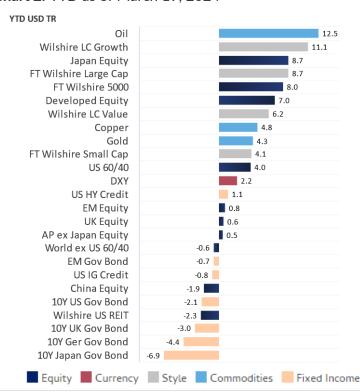
## Snapshot of Multi-Asset returns: MTD and YTD (USD, TR)

Chart 1: MTD as of March 19, 2024



Within the US, Large Cap Value has recently outperformed Large Cap Growth, reserving the trend seen so far in 2024. UK and Japanese equities (in USD) have outperformed at a regional level. Commodities have rallied, with copper and gold both up over 5% in March so far. The DXY dollar index has eased back after recovering at the start of the year.

Chart 2: YTD as of March 19, 2024



FT Wilshire US Large Cap Growth remains a strong performer, seeing double-digit returns YTD and outperforming Value. US and Japanese equities (in USD) have helped Developed markets outperform Emerging. Most bond markets have seen negative returns as yields have risen, only US HY credit has posted a positive YTD return. The oil price has risen further, recently hitting a 4 month high.

## **Growth and Inflation Cycle**

**Table 1:** Regional consensus 2023 and 2024 Real GDP forecasts and long term CAGR (%)

Regional Real GDP (%)											
				CAGR							
	2023	2024E	5yr	10yr	20yr						
	2023	2024L	CAGR	CAGR	CAGR						
US	3.2	1.9	2.1	2.3	2.0						
UK	-0.2	0.4	0.7	1.4	1.2						
Eurozone	0.1	0.5	1.1	1.5	1.2						
Japan	1.3	0.7	0.2	0.5	0.5						
China	5.2	4.6	4.9	5.9	8.4						

**Chart 1:** Regional rolling 12m forward consensus GDP forecasts (%)

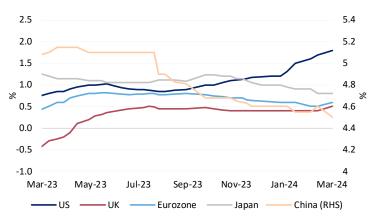
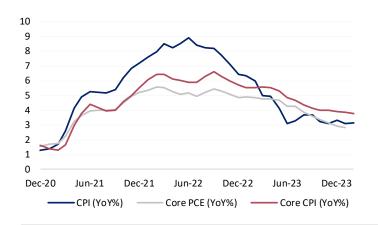


Chart 3: Measures of US Inflation (YoY% Chg)



**Table 2:** Regional consensus 2023 and 2024 CPI forecasts and long term CAGR (%)

Regional CPI Inflation (%)												
				CAGR								
	Latest	2024E	5yr CAGR	10yr CAGR	20yr CAGR							
US	3.2	2.6	4.1	2.8	2.6							
UK	4.0	2.8	4.2	2.9	2.8							
Eurozone	2.6	2.4	3.6	2.2	2.1							
Japan	2.1	2.2	1.3	1.1	0.6							
China	0.7	1.1	1.7	1.8	2.4							

**Chart 2:** Change in 2024 consensus GDP forecasts vs 6 months ago

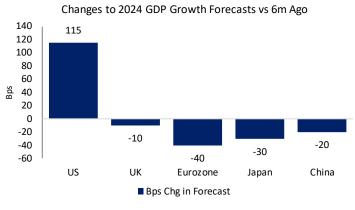
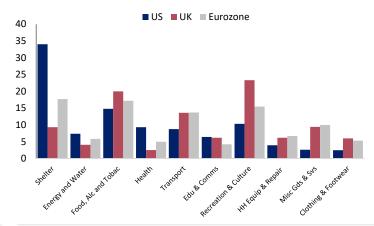


Chart 4: Regional CPI index weightings (%)

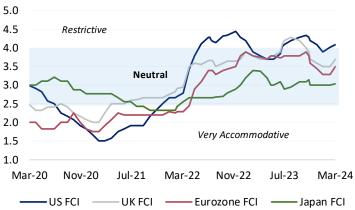


### **Financial Conditions**

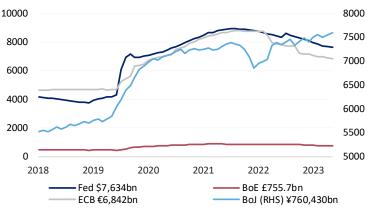
**Table 1:** Monetary policy barometer components (1=Very Accommodative, 5=Restrictive)

Monetary Policy Barometer										
	US	UK Eurozone Japan								
Interest Rate Expectations (12m Fwd OIS)	3.5	3.0	4.5	4.5						
Real M2 Money Supply	4.0	4.0	4.0	2.5						
Real Interest Rates	4.0	4.0	4.0	3.0						
entral Bank Balance Sheets	3.5	3.5	3.5	2.5						
Interest Rates/NGDP (12m Fwd)	5.0	5.0	4.0	1.0						
Composite Monetary Policy	4.0	3.9	4.0	2.7						

**Chart 1:** Regional Financial Conditions Indicators (FCI) (1-5 based on Z-scores)



**Chart 3:** Regional Central bank balance sheets (local currency)



**Table 2:** Credit cycle barometer components (1=Very Accommodative, 5=Restrictive)

Credit Cycle Barometer											
	US	UK	Eurozone	Japan							
Govt Bond Yields	4.5	3.5	4.0	4.0							
Corp Bond Yields	3.5	4.0	3.5	4.0							
Lending Standards	3.0	3.5	3.0	3.0							
ebt Serv Levels-Households	3.0	3.0	3.0	3.0							
ebt Serv Levels-Non-Fin Corps	4.0	3.0	3.0	3.0							
Composite Credit Cycle	3.6	3.4	3.3	3.4							

Chart 2: Regional Real M2 Money Supply (YoY %)

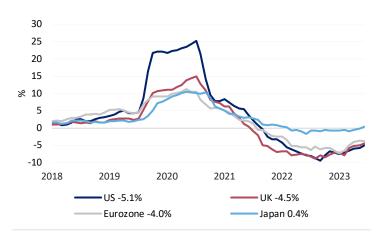
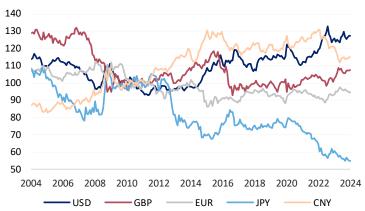


Chart 4: Real effective exchange rates (rebased 2010)



## **Profit and Earnings Cycle**

**Table 1:** Regional 2023 and 2024 EPS growth forecasts and long-term CAGR (%)

Regional EPS Growth (%)												
	Foreca	ists (%)		)								
	2023	2024E	5yr	10yr	20yr							
US	2.3	12.1	6.5	6.7	6.9							
UK (GBP)	-9.9	3.2	5.2	1.1	3.2							
Europe ex UK (EUR)	9.6	9.8	8.4	2.8	5.5							
Japan (JPY)	8.2	11.7	6.8	4.5	5.2							
Asia Pac ex Japan (USD)	-8.6	21.2	4.4	1.5	5.4							
Emerging (USD)	-5.0	17.1	5.9	0.6	4.8							
China (CNY)	-5.0	24.7	6.0	5.6	9.7							
_World ex US (USD)	-4.2	8.6	1.6	6.8								

Chart 1: Regional 12m forward EPS (Rebased)

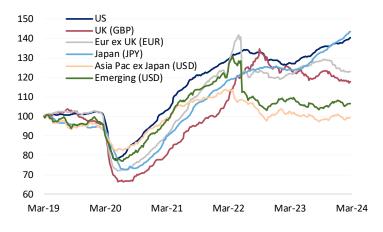
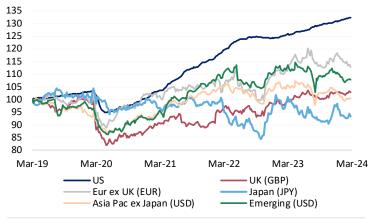


Chart 3: Regional 12m forward Sales (Rebased)



**Table 2:** Regional 2023 and 2024 revenue growth forecasts and long-term CAGR (%)

Regional Revenue Growth (%)												
	Foreca	sts (%)		CAGR (%	)							
	2023	2024E	5yr	10yr	20yr							
US	1.6	4.3	5.7	4.8	5.4							
UK (GBP)	-2.6	0.8	0.9	1.9	3.5							
Europe ex UK (EUR)	-1.9	1.8	4.1	2.4	2.9							
Japan (JPY)	5.8	2.4	4.9	3.2	2.5							
Asia Pac ex Japan (USD)	-4.1	8.5	0.5	0.2	5.9							
Emerging (USD)	-3.6	9.4	2.1	0.5	5.5							
China (CNY)	-2.5	12.9	2.9	2.9								
_World ex US (USD)	-3.2	5.8	0.3	-0.6	2.2							

Chart 2: US Analyst EPS Estimate Trails (USD)



**Chart 4:** US Analyst Sales Per Share Estimate Trails (USD)

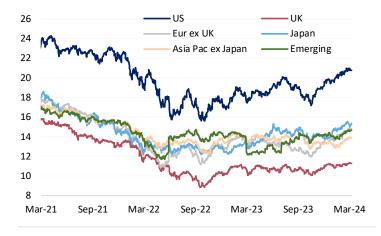


# **Valuation Cycle**

Table 1: Regional Valuation Summary-Absolute

	Regional Valuation Summary-Absolute															
	12m Fwd PE	10yr Avg	12m Fwd P/B	10yr Avg	12m Fwd DY	10yr Avg	12m Fwd P/CF	10yr Avg	12m Fwd P/S	10yr Avg	12m ROE	10yr Avg	EY-BY	10yr Avg	САРЕ	10yr Avg
US	21.0	18.6	3.8	3.0	1.5	1.9	15.3	12.7	2.4	1.9	18.4	16.5	0.5	3.1	30.7	23.4
UK	11.4	13.6	1.6	1.7	4.1	3.9	7.5	8.9	1.1	1.2	13.8	12.7	4.8	5.8	13.6	12.4
Europe ex UK	14.6	14.4	1.8	1.6	3.3	3.4	8.8	8.7	1.3	1.2	12.4	11.4	4.3	6.5	23.2	17.0
Japan	15.0	14.5	1.4	1.2	2.2	2.3	9.5	8.3	1.1	0.8	9.3	8.5	5.8	6.8	27.8	27.5
Asia Pacific ex Japan	13.9	14.3	1.6	1.6	2.7	2.7	9.2	9.7	1.3	1.4	11.3	11.5	7.2	3.9	14.5	15.4
Emerging Markets	14.6	14.6	2.0	1.9	2.7	2.7	10.4	9.9	1.4	1.4	13.5	13.1	6.8	3.7	16.5	13.0
China	10.5	11.8	1.1	1.4	3.5	2.9	4.8	5.9	1.2	1.5	12.4	13.5	7.9	5.6	13.4	15.1
World	16.8	15.9	2.3	2.0	2.3	2.6	11.6	10.4	1.7	1.5	13.9	12.8	1.7	4.0	18.7	15.8
World ex US	13.8	14.3	1.7	1.6	3.1	3.0	9.0	9.0	1.3	1.2	11.9	11.2	2.8	4.7	17.1	14.0

Chart 1: Regional 12m forward PE ratios



**Chart 2:** Regional cyclically-adjusted 12m forward PE ratios

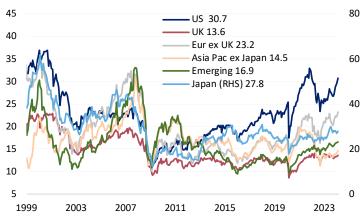


Table 2: Regional Valuation Summary-Relative

Regional Valuation Summary-Relative																
	12m Fwd PE	10yr Avg	12m Fwd P/B	10yr Avg	12m Fwd DY	10yr Avg	12m Fwd P/CF	10yr Avg	12m Fwd P/S	10yr Avg	12m ROE	10yr Avg	EY-BY	10yr Avg	CAPE	10yr Avg
US	1.5	1.3	2.3	1.9	0.5	0.6	1.7	1.4	1.8	1.6	1.5	1.5	0.2	0.6	1.8	1.7
UK	0.7	0.9	0.7	0.9	1.8	1.6	0.6	0.9	0.7	0.8	1.0	1.0	3.1	1.8	0.7	0.8
Europe ex UK	0.8	0.9	0.7	0.8	1.6	1.5	0.7	0.8	0.7	0.8	0.9	0.9	3.0	1.9	1.2	1.0
Japan	0.9	0.9	0.6	0.6	1.0	0.9	0.8	0.8	0.6	0.5	0.6	0.6	3.6	1.9	1.7	1.8
Asia Pacific ex Japan	0.8	0.9	0.7	0.8	1.2	1.1	0.8	0.9	0.8	0.9	0.8	0.9	4.3	1.2	0.8	1.0
Emerging Markets	0.9	0.9	0.9	0.9	1.1	1.1	0.9	1.0	0.8	1.0	1.0	1.0	2.7	1.1	0.9	0.8
China	0.6	0.8	0.5	0.8	1.5	1.1	0.4	0.6	0.7	1.0	0.9	1.1	4.7	1.6	0.7	1.0

## **Technical Analysis**

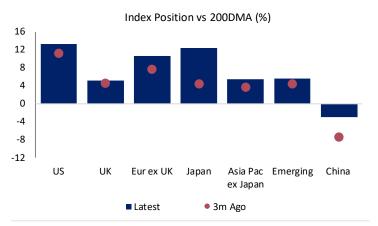
**Chart 1:** FT Wilshire 5000 index with 50 and 200 day moving averages



Chart 1: Percentage of stocks above 200-day moving average (DMA)-US, UK, Eur ex UK and Japan



Chart 3: Index positioning vs 200-Day Moving Average (DMA)-Latest vs 3m ago



**Chart 2:** FT Wilshire Index Relative Strength Indexes (RSI)-Latest vs 1m Ago

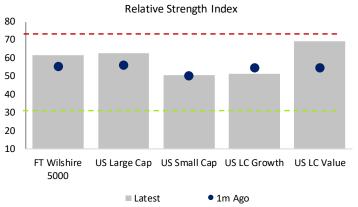
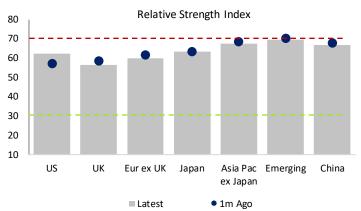


Chart 2: Percentage of stocks above 200-day moving average (DMA)-Asia Pac ex Japan, EM



Chart 4: Regional Relative Strength Indexes (RSI)-Latest vs 1m Ago

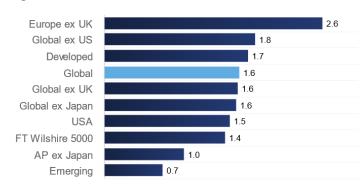


## **Global Equity Market Returns - MTD vs YTD**

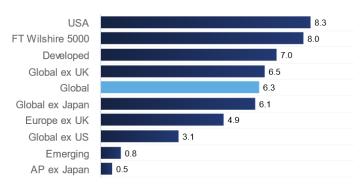
MTD as of March 19, 2024

YTD as of March 19, 2024

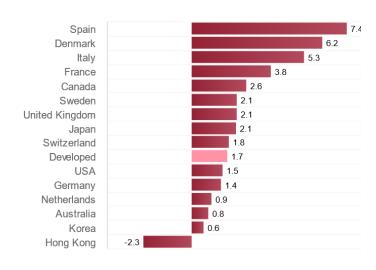
#### Regions - MTD USD TR



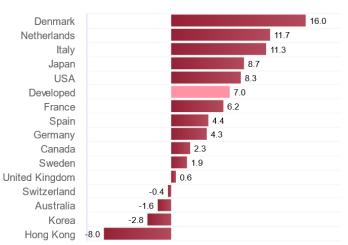
#### **Regions - YTD USD TR**



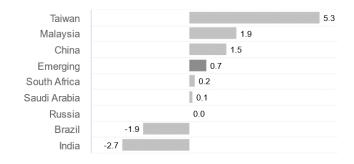
#### Developed - MTD USD TR



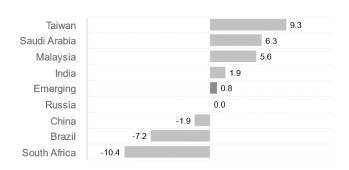
#### Developed - YTD USD TR



#### **Emerging Markets - MTD USD TR**

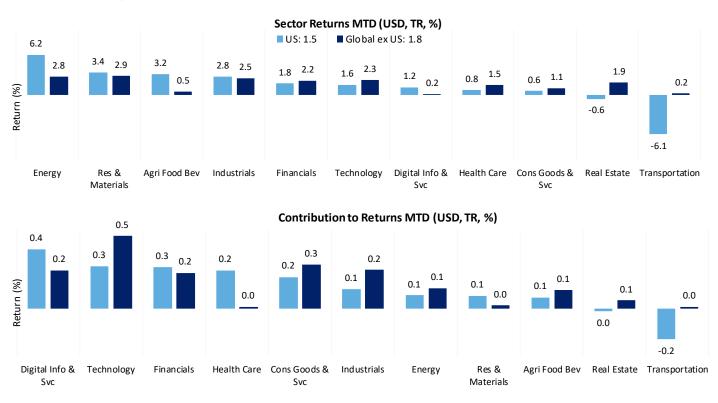


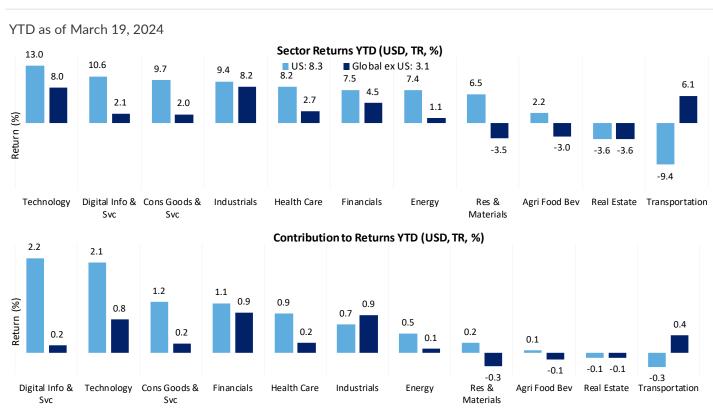
#### **Emerging Markets - YTD USD**



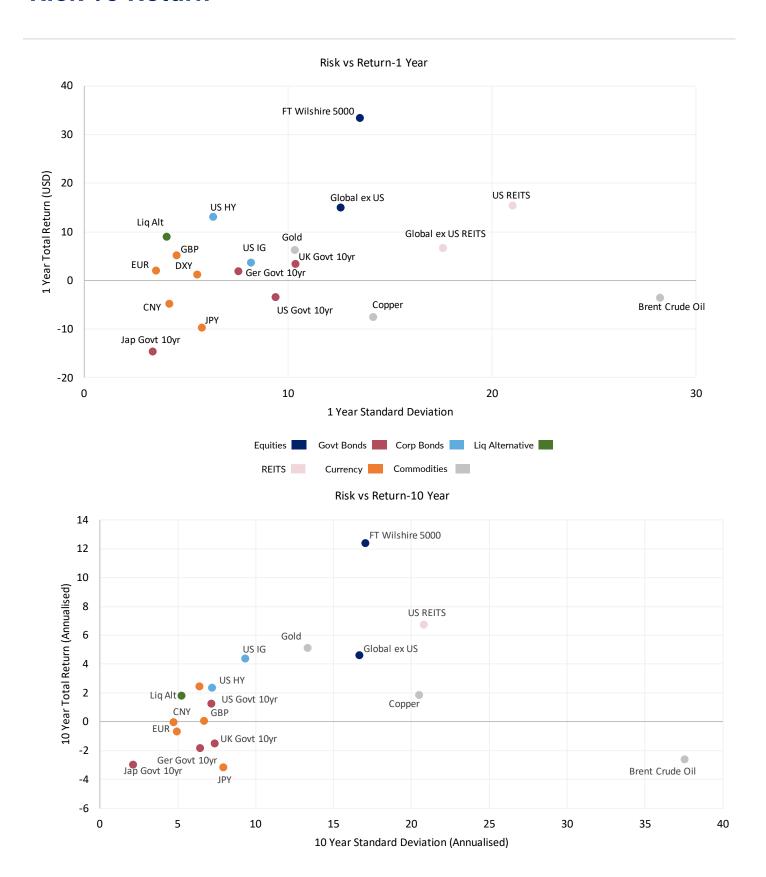
## **Sector Returns and Sector-Weighted Contribution**

MTD as of March 19, 2024





### Risk vs Return

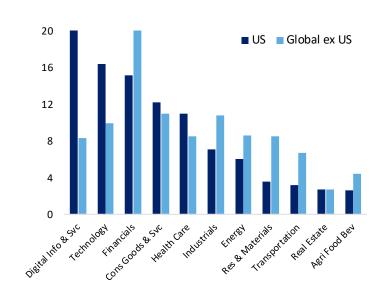


# **Regional Market Cap and Sector Weights**

#### Regional Sector Weights (USD, Bn)

Regional Sector Weighting (%)								
	US	Global ex US	UK	EUexUK	Japan	APexJapan		
Digital Info & Svc	20.1	8.4	4.3	6.4	12.4	10.0		
Technology	16.4	10.0	0.6	7.5	13.2	18.3		
Financials	15.1	20.5	20.6	18.2	12.4	22.0		
Cons Goods & Svc	12.2	11.0	15.4	11.9	8.6	10.4		
Health Care	11.0	8.5	11.9	14.2	6.4	5.2		
Industrials	7.1	10.8	13.9	14.1	18.5	5.1		
Energy	6.1	8.6	15.6	7.1	2.1	7.5		
Res & Materials	3.6	8.5	7.0	8.0	6.3	8.6		
Transportation	3.2	6.7	1.0	5.9	13.0	6.1		
Real Estate	2.7	2.7	2.5	1.2	3.8	4.0		
Agri Food Bev	2.6	4.4	7.3	5.6	3.1	2.7		
	100.0	100.0	100.0	100.0	100.0	100.0		

#### US vs Global ex US Sector Weights



### Regional Equity Market Size and Weighting in World Index-Latest vs 10-Years Ago (USD)

	Latest	% Global Index	10Y Ago	% Global Index
USA	48,990	61.8	20,350	49.4
Japan	4,604	5.8	2,788	6.8
UK	2,741	3.5	3,069	7.5
Canada	2,262	2.9	1,582	3.8
Switzerland	1,999	2.5	1,397	3.4
France	1,997	2.5	840	2.0
China	1,938	2.4	1,405	3.4
India	1,693	2.1	446	1.1
Taiwan	1,604	2.0	540	1.3
Australia	1,440	1.8	1,336	3.2
Germany	1,403	1.8	1,167	2.8
Netherlands	1,014	1.3	634	1.5
Global	79,222		41,161	

### Markets size (USD, Bn) and weights - Developed and Emerging markets

Developed	Latest	% Developed	10Y Ago	% Developed
USA	48,990	69.2	20,350	55.2
Japan	4,604	6.5	2,788	7.6
UK	2,741	3.9	3,069	8.3
Canada	2,262	3.2	1,582	4.3
Switzerland	1,938	2.7	1,405	3.8
Developed	70,777		36,876	

Emerging	Latest	% Emerging	10Y Ago	% Emerging
China	1,997	23.1	840	9.7
Korea	1,014	11.7	634	7.3
India	1,693	19.5	446	5.1
Taiwan	1,604	18.5	540	6.2
Brazil	461	5.3	465	5.4
Emerging	8,659		4,173	

#### **Important Information**

No material published by Wilshire Opco UK Limited ("Wilshire Indexes") should be construed as granting any license or right to use any trademark, service mark or other intellectual property right for any purpose whatsoever without the written permission of the lawful owner and an appropriate license.

"Information" means any data or other material published or made available by Wilshire Indexes. This includes presentations, factsheets, product files, methodology documents, benchmark statements, policies or other documents relating to the operation, calculation or administration of Wilshire Indexes benchmarks, whether supplied physically or published electronically, for example on Wilshire Indexes websites or the websites or materials of Wilshire Indexes clients that relate to Wilshire Indexes.

All Information is provided for information purposes only and is made available "as is" without warranty or other commitment of any kind.

Wilshire Indexes, its parent and affiliate companies, and its and their respective directors, officers, employees, partners and licensors make no claim, prediction, warranty, representation or other commitment whatsoever, expressly or impliedly, as to the accuracy, timeliness, completeness, merchantability of any Information available or of results to be obtained from the use of the Information or the fitness or suitability of the Information for any particular purpose to which it might be put.

Any representation of historical data is provided for information purposes only and is not a reliable indicator of future performance. The Information may contain back-tested data. Back-tested performance is not actual performance, but is hypothetical. There may be differences between back-tested performance results and actual results subsequently achieved by any investment strategy.

To the fullest extent permitted by applicable law, Wilshire Indexes, its parent and affiliate companies, and its and their respective directors, officers, employees, partners and licensors accept no responsibility or liability for:

a) any loss or damage in whole or in part caused by, resulting from, or relating to any error (negligent or otherwise) or other circumstance involved in procuring, collecting, calculating, analysing, editing, transcribing, transmitting, communicating or delivering the Information or from use of the Information;

b) any direct, indirect, special, consequential or incidental damages whatsoever, even if Wilshire Indexes (or the relevant person) is advised in advance of the possibility of such damages, resulting from the use of, or inability to use, the Information.

Wilshire Indexes, its parent and affiliate companies and its and their respective directors, officers, employees, partners and licensors do not provide investment advice and nothing in the Information or any links thereto, including statistical data and industry reports, should be taken as constituting financial or investment advice or a financial promotion.

Wilshire Indexes, its parent and affiliate companies and its and their respective directors, officers, employees, partners and licensors are not responsible for and make no representation regarding the appropriateness or suitability of using, or investing in any financial instrument or entering into any contract linked to, Wilshire Indexes benchmarks or other Information provided by Wilshire Indexes and any decision to engage in such use or to invest in any such instrument or enter into any such contract should not be made in reliance on Wilshire Indexes benchmarks or other Information provided or published by Wilshire Indexes. All Information is impersonal and not tailored to the needs of any person, entity or group of persons.

To the fullest extent permitted by applicable law, Wilshire Indexes, its parent and affiliate companies and its and their respective directors, officers, employees, partners and licensors will not be liable in contract or tort (including negligence), for breach of statutory duty, misrepresentation or otherwise, in respect of any inaccuracies, errors, omissions, delays, failures, cessations or changes (material or otherwise) in Wilshire Indexes benchmarks or other Information.

No part of the Information contained herein may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without prior written permission from Wilshire Indexes.

None of the Information may be used to create derivative works or to verify or correct other data or Information. For example (but without limitation), the Information may not be used to create indexes, databases, risk models, analytics, software, or in connection with the issuing, offering, sponsoring, managing or marketing of any securities, portfolios, financial products or other investment vehicles utilizing or based on, linked to, tracking or otherwise derived from the Information or any other Wilshire Indexes data, Information, products or services.

Use or distribution of any Wilshire Indexes data or of any third party data requires a license from Wilshire Indexes.

Wilshire® and Wilshire 5000® are registered trademarks owned by Wilshire Advisors LLC and are used under license. "FT" is the trade mark of the Financial Times Limited and is used under licence.

Wilshire Indexes is the trading name of Wilshire Opco UK Limited, a company registered in England and Wales under registered number 12991656, with its registered office at C/O Tmf Group 8th Floor, 20 Farringdon Street, London, United Kingdom, EC4A 4AB.

Wilshire Indexes is authorized and regulated by the Financial Conduct Authority as a benchmark administrator, with reference number 985021.