

Morning Market Tidbits

Faster trend productivity growth? Think again

In focus

Over the last three quarters, growth in US labor productivity (output per hour) has accelerated, rising by an annualized 3.6%, 4.9%, and 3.2% in the second, third, and fourth quarter of 2023. This has led many to conclude that the US is on a path to higher trend productivity growth. If true, this would be a very positive development given the relationship between faster growth in productivity and increases in living standards, a core tenet of economics.

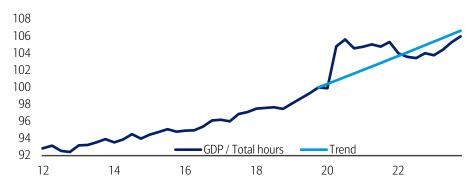
That said, we believe it is too early to definitively declare that the US is in the initial stages of a productivity boom. Instead, what we are likely observing is the normalization of behavior following the shift in relative demand brought on by the COVID-19 global pandemic.

The initial phase of the pandemic was characterized by a dramatic shift in relative demand toward goods and large-scale layoffs. Nonfarm payrolls fell by 18mn in 2Q 2020 while real consumption of goods surged by 51.7% q/q saar in 3Q 2020. This caused real output per hour (GDP/total hours) to rise sharply *above* its pre-COVID trend line (Exhibit 1). The surge in US labor productivity, as measured by the positive gap between current labor productivity and its pre-COVID trend, lasted into 2022 when vaccines were plentiful, and the US began to emerge from the pandemic.

The re-opening phase of the pandemic was characterized by a shift in relative demand away from high-productivity goods-producing sectors toward low-productivity services-providing sectors. The popular news was full of stories about a US consumer engaging in "revenge spending" on experience-oriented leisure and hospitality services, among other items. Extracting the signal from data that is late, revised, and noisy means you need a lot of data before drawing conclusions.

Exhibit 1: Real output per hour (GDP/total hours, Index 2019 4Q = 100)

Productivity has temporarily improved as the rotation to services runs its course



Source: Bureau of Economic Analysis, Haver Analytics, BofA Global Research

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GDP: Gross Domestic Product

FOMC: Federal Open Market

Committee

ECB: European Central Bank

BoJ: Bank of Japan

NIRP: Negative Interest Rate Policy

YCC: Yield Curve Control

QT: Quantitative Tightening

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Expanding services output is heavily dependent on expanding labor input, and the US economy added 4.5mn jobs in 2022 and another 3.1mn in 2023. A byproduct of the rotation to services was a dip in real output per hour *below* the pre-COVID trend line.

Were we fearful of a productivity bust? No. When output per hour fell in three out of four consecutive quarters between mid-2021 and mid-2022, we simply chalked it up to what happens when activity shifts toward lower-productivity sectors.

In our view, it is likely that the pickup in productivity in the second half of 2023 represents the normalization of behavior as COVID-induced shocks to relative demand fade. Following the 4Q US GDP report, real output per hour has largely returned to its pre-COVID trend line, though there appears to be some additional room for output per hour to catch up in 2024.

To be clear, we are not ruling out that capital deepening from reshoring trends, industrial policies aimed at the crowding-in of manufacturing-related expenditures, and adoption of artificial intelligence will lead to faster trend growth in productivity. We are simply saying is that it is likely too early to draw this conclusion. The data – at present – appear consistent with the pandemic running its course.

Market Action

The Asian equity markets that we cover closed mixed overnight. Looking at individual markets, the Korean Kospi and the Nikkei fell 1.1% and 0.7% respectively. On the flipside, the Indian Sensex and the Hang Seng were up 0.4% and 0.8% respectively, while the Shanghai Composite was closed.

As of 7:00 am ET, aggregate European stocks are up 0.5% and S&P500 futures are up 0.4%. In the bond markets, 10-year Treasury yields are down 2bp to 4.29% and German Bund yields are down 3bp to 2.36%. The dollar index is down \$0.09 to \$104.87. WTI crude oil prices are flat at \$77.87/bbl, and gold prices are at \$1992.29/oz.

Data preview

February 13th CPI

			DOTA						
Date	Time	Indicator	Period	Estimate	Consensus	Previous			
2/14/24	7:00	MBA Mortgage Applications	Feb 9	_	_	3.7%			
Source: Bo	ofA Global	Research, Bloomberg							

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Data review

Consumer Price Index (CPI)

The January Consumer Price Index topped expectations, raising concerns that the road ahead for inflation might be bumpy. The core CPI rose by 0.4% m/m (0.392% unrounded) and headline increased by 0.3% (0.305% unrounded). We and consensus were looking for increases of 0.3% and 0.2% respectively. As a result, headline inflation fell by three tenths to 3.1% y/y but core inflation held at 3.9% y/y.

The Fed was likely was not encouraged by today's report as core goods prices fell by 0.3% m/m owing in large part to a 3.4% decline in used car prices. However, core services inflation accelerated to 0.7% m/m, reflecting a pickup in shelter and non-shelter services.

While the report came in above our expectations and the details were not the most encouraging for the Fed, we do see reason to fade some of the strength due to mean reversion in certain categories than has been cooling towards year end and due to issues related to residual seasonality.

Today's CPI report reinforces the Fed's concern that core services inflation will remain sticky because of a tight labor market. In our view, a March cut is now firmly off the table and the chances of a May cut have significantly reduced. But we remain comfortable with our call for rate cuts to begin in June.

US GDP Tracking

Exhibit 2: BofA US GDP tracking estimate (% q/q saar)

4Q US GDP tracking is down a tenth to 3.4% q/q saar largely due to lower-than-expected wholesale inventories in December

Date	Data release	GDP	Final Sales	PCE	Res. Inv.	Struct	Equip	IPP	Gov.	Exports	Imports	Net exports (level)	CIPI (level)
1/25/24	4Q (A) GDP	3.3	2.7	2.8	1.1	3.2	1.0	2.1	3.3	6.3	1.9	-908.2	82.7
2/1/24	24 Construction Spending		3.0	2.8	1.5	5.8	1.0	2.1	4.1	6.3	1.9	-908.2	82.7
2/2/24	Payrolls	3.5	3.0	2.8	1.9	5.8	1.0	2.1	4.1	6.3	1.9	-908.2	82.7
2/2/24	Factory Orders	3.5	3.0	2.8	1.9	5.8	0.9	2.1	4.1	6.3	1.9	-908.2	80.7
2/7/24	Trade Balance	3.5	3.0	2.8	1.9	5.8	0.9	2.1	4.1	6.7	2.4	-910.0	80.7
2/8/24	Wholesale Inventories, CPI revisions	3.4	3.0	2.8	1.9	5.8	0.9	2.1	4.1	6.7	2.4	-910.0	76.7
	GDP tracking	3.4	3.0	2.8	1.9	5.8	0.9	2.1	4.1	6.7	2.4	-910.0	76.7
	Contribution to GDP growth (pp)			1.9	0.1	0.2	0.0	0.1	0.7			0.4	0.0
	BofA official GDP forecast	1.5	2.5	2.0	1.0	3.5	2.5	2.5	2.0	2.5	2.0	-929.0	29.5

Source: BofA Global Research. Our GDP tracking estimate reflects the mechanical aggregation of incoming data that directly informs the BEA's GDP calculations. The process is distinct from our official published GDP forecast. Boldface cells indicate where data have implications for tracking estimates.

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Overseas data

Euro Area

Industrial production was up 2.6% mom in December, well above consensus expectations of a 0.2% decline.

Our Europe economists note that this surprise was largely driven by Ireland's industrial production growing 23.5% mom. Netherlands and Belgium contributed positively too. Some of this is probably noise, but this print makes the German underperformance stand out even more markedly.



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