

US Watch

July CPI Inflation: Disinflation on autopilot but be mindful of turbulence

Another step in the right direction

The July Consumer Price Index (CPI) report was another step in the right direction. Headline inflation rose by 0.2% m/m, in line with consensus expectations. That said, it was a soft 0.2% as the unrounded number was 0.17% m/m. As a result, the y/y rate, at 3.2%, was below expectations by a tenth. Similarly, core inflation also rose by a soft 0.2% m/m (0.16% unrounded), which was slightly above our expectations for a 0.14% print. This led to a one-tenth decline in the y/y rate to 4.7%, while the 3-month annualized rate fell by 1ppt to 3.1%. In short, the recent inflation data show a meaningful step towards the Fed's two percent target.

Upside risks to noncore components

Noncore components were somewhat mixed. Food prices rose by 0.2% m/m owing to a 0.3% m/m increase in food at home, its first increase in five months, and a 0.2% m/m advance in food away from home. Looking ahead we think risks are titled to the upside for food inflation owing to rising transportation costs, inclement weather, and potential effects from El Nino, though these risks are more of a medium-term story. Food away from home inflation, however, may continue to moderate given cooling wage inflation. Meanwhile, energy inflation was softer than we expected owing largely to a drop in energy services that partially offset an increase in energy goods. Given the recent increases in oil and gas prices we see upside risks to this category in the near-term.

Core goods deflation and another plunge in airfares

As expected, the core CPI print was driven by a 0.3% m/m decline in core goods inflation, which was led by a 1.3% drop in used car prices. Moreover, we saw broadbased deflation again in core goods as most major goods expenditure categories recorded a price decline on the month (Exhibit 3). Indeed, core goods ex used cars fell by 0.2% m/m and is down 0.7% annualized over the last three months. Meanwhile, core services rose by 0.4% m/m owing largely to shelter inflation of 0.4% m/m. Additionally, core services ex rent, and owners' equivalent inflation picked up from 0.0% m/m in June to 0.2% m/m. This is the CPI equivalent of Chair Powell's oft-cited core PCE ex housing services measure. While this was soft relative to recent history, it was once again held down by an 8.1% drop in airfares that we would be surprised to see continue for a third straight month. Moreover, the PCE price index uses the PPI measure for airfares so there's a risk that core PCE ex housing services prints stronger than its CPI equivalent.

One small step for inflation

In sum, the report was encouraging. Sequential growth in core inflation continues to trend lower, and we wouldn't be surprised to see another soft August print given declines in wholesale used car prices. While m/m inflation is still likely to be bumpy, we believe that the current disinflation is not a "head fake".

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Timestamp: 10 August 2023 10:34AM EDT

10 August 2023

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Glossary

CPI = Consumer Price Index

PPI = Producer Price Index

PCE = Personal Consumption Expenditures (Price Index)

OER = Owners' Equivalent Rent

NSA = Not Seasonally Adjusted

OIS- Overnight Indexed Swap

Fed implications: Heading towards a contentious debate

We retain our call for a 25bp hike in September on the premise that the Fed will still feel inclined to deliver on the dot plot and err on the side of overtightening. But we acknowledge that the risks are skewed towards a pause, particularly with the markets pricing just 4bp of hikes in September at the time of this writing. A few of the doves on the FOMC have suggested that the Fed is done hiking. We should get more clarity on this question at the August 24-26 Jackson Hole symposium. Additionally, there is still more data as the Fed will have another employment and CPI report to consider before its next meeting.

GDP implications: 2Q unchanged at 2.3% q/q saar

The July CPI print was slightly higher than expectations for core. We use the CPI data as deflators in our personal consumption expenditure tracking estimate which got pushed down slightly after today's data. Overall, this print left our 2Q US GDP tracking estimate unchanged at 2.3% q/q saar.

Market reaction

Following the CPI release, the real rate curve bull steepened, while breakevens on net are little changed to modestly lower across the curve. Market pricing for an additional rate hike by the November meeting is also little changed after declining modestly immediately following the print. FOMC OIS expiring in mid '24 declined only a few bps. In general today's print confirms the broader disinflation picture the market has largely been expecting. This should support a bid for duration as the market is more confident that the Fed hiking cycle is at or near the end. However, confidence in cuts and longer run levels will likely be a function of how the economy unfolds alongside rate levels that the Fed believes to be restrictive.

In the FX markets, the USD was on-net little changed on the CPI report vs the G10, with some post-release volatility, mainly tracking moves in US rates. The USD has mostly traded within a tight rage in August, after fully retracing the post- June CPI selloff. While disinflationary sings continue, the USD has been supported in recent weeks by broader resilient US growth data (amid ongoing soft data out of Europe and China) as well as the backup in longer-end US yields and moderate turn lower in equities. The USD is likely to range trade throughout the remainder of the summer, as the market awaits further clarity on the reaction functions of the "data-dependent" Fed and ECB.



Exhibit 2: CPI Forecast vs. Actual (SA % m/m unless specified otherwise)Below is a table that compares our bottom-up CPI forecasts to actuals

		July Forecast	
	Actual	Forecast	Error
NSA Index (level)	305.691	305.722	-0.031
leadline CPI (All Items)	0.17%	0.20%	-0.03%
Food	0.2%	0.2%	0.1%
Energy	0.1%	0.9%	-0.8%
Core CPI	0.16%	0.14%	0.02%
Core goods	-0.33%	-0.37%	0.04%
Household furnishings and supplies	-0.4%	-0.3%	0.0%
Apparel	0.0%	0.3%	-0.3%
Transportation commodities less motor fuel	-0.5%	-1.0%	0.4%
Of which:			
New vehicles	-0.1%	-0.1%	0.0%
Used cars and trucks	-1.3%	-2.3%	1.0%
Medical care commodities	0.5%	0.4%	0.1%
Recreation commodities	-0.8%	-0.4%	-0.3%
Other recreational goods	-2.4%	0.0%	-2.4%
Education and communication commodities	-1.2%	-0.1%	-1.1%
Alcoholic beverages	0.1%	0.3%	-0.2%
Other goods	0.3%	0.3%	0.0%
Core Services	0.35%	0.33%	0.02%
Shelter	0.4%	0.4%	0.0%
Of which:			
Rent	0.4%	0.4%	0.0%
Lodging away from home	-0.3%	0.0%	-0.3%
OER	0.5%	0.4%	0.1%
Water and sewer	0.5%	0.4%	0.0%
Medical care services	-0.4%	-0.2%	-0.2%
Of which:			
Health insurance	-4.1%	-3.9%	-0.2%
Transportation services	0.3%	0.7%	-0.3%
Of which:			
Airfares	-8.1%	-2.0%	-6.1%
Recreation services	0.8%	0.4%	0.4%
Education and communication	0.3%	0.1%	0.2%
Other personal services	-0.1%	0.5%	-0.6%
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Source: BofA Global Research, Bureau of Labor Statistics, Bloomberg

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Exhibit 3: CPI heatmap (%m/m) Headline and Core CPI rose by 0.2% m/m in July

Jun-23				May-	A	Mar-	Feb-		Dec-	Nov-	0 4 22	Sep-	
weight	Component	Jul-23	Jun-23	23	Apr-23	23	23	Jan-23	22	22	Oct-22	22	Aug-22
100.0	Headline CPI	0.167%	0.18%	0.12%	0.37%	0.05%	0.37%	0.52%	0.13%	0.21%	0.49%	0.41%	0.23%
13.4	Food	0.24%	0.11%	0.20%	0.02%	0.01%	0.39%	0.51%	0.45%	0.55%	0.68%	0.78%	0.83%
7.0	Energy	0.11%	0.60%	-3.59%	0.56%	-3.52%	-0.56%	1.97%	-3.06%	-1.41%	1.68%	-1.74%	-3.89%
79.6	Core CPI	0.160%	0.16%	0.44%	0.41%	0.38%	0.45%	0.41%	0.40%	0.31%	0.33%	0.57%	0.58%
4.3	Household Furnishings and Supplies	-0.35%	-0.27%	-0.41%	-0.40%	0.37%	0.76%	0.51%	0.25%	0.36%	0.04%	0.48%	0.88%
2.5	Apparel	-0.03%	0.31%	0.29%	0.27%	0.26%	0.81%	0.83%	0.21%	0.10%	-0.25%	0.04%	0.28%
7.8	Motor Vehicles & parts	-0.54%	-0.17%	1.49%	1.45%	-0.04%	-0.90%	-0.71%	-0.62%	-0.66%	-0.50%	-0.16%	0.37%
4.3	New Vehicles	-0.08%	-0.03%	-0.12%	-0.22%	0.38%	0.18%	0.23%	0.58%	0.47%	0.56%	0.67%	0.84%
2.8	Used Cars and Trucks	-1.34%	-0.45%	4.42%	4.45%	-0.88%	-2.77%	-1.94%	-1.99%	-1.99%	-1.71%	-1.10%	-0.18%
1.5	Medical Care Commodities	0.51%	0.19%	0.65%	0.46%	0.59%	0.15%	1.06%	0.11%	0.19%	-0.02%	-0.09%	0.24%
2.3	Recreation Commodities	-0.78%	-0.36%	-0.05%	0.29%	0.24%	0.44%	0.12%	0.09%	-0.34%	0.78%	-0.05%	0.64%
0.9	Education and Communication Commodities	-1.25%	-0.07%	-0.20%	-0.18%	-0.50%	-0.77%	-0.09%	-0.92%	-1.69%	-1.53%	-0.53%	-0.40%
0.8	Alcoholic Beverages	0.12%	0.01%	0.51%	0.47%	0.14%	-0.28%	0.41%	0.65%	0.64%	0.69%	0.31%	0.36%
1.2	Other Goods	0.30%	0.08%	0.59%	0.24%	0.53%	0.74%	0.77%	-0.07%	0.62%	0.58%	0.39%	1.15%
34.7	Shelter	0.44%	0.37%	0.56%	0.42%	0.56%	0.76%	0.74%	0.79%	0.64%	0.72%	0.74%	0.67%
25.5	Owners' Equivalent Rent of Residences	0.49%	0.45%	0.52%	0.54%	0.48%	0.70%	0.67%	0.79%	0.65%	0.62%	0.79%	0.69%
7.6	Rent of Primary Residence	0.42%	0.46%	0.49%	0.56%	0.49%	0.76%	0.74%	0.79%	0.77%	0.72%	0.81%	0.74%
1.2	Lodging Away From Home	-0.34%	-2.01%	1.80%	-2.96%	2.70%	2.26%	1.20%	1.10%	-0.52%	3.49%	-0.51%	-0.09%
1.1	Water & Sewer & Trash Collection Services	0.46%	0.40%	0.58%	0.33%	0.27%	0.79%	0.85%	0.25%	0.31%	0.17%	0.79%	0.49%
0.9	Household Operations	1.79%	0.78%	-1.19%	#N/A								
6.4	Medical Care Services	-0.40%	-0.02%	-0.05%	-0.14%	-0.50%	-0.70%	-0.68%	0.30%	-0.49%	-0.38%	0.83%	0.68%
5.9	Transportation Services	0.34%	0.13%	0.84%	-0.18%	1.38%	1.14%	0.85%	0.63%	0.33%	0.60%	1.91%	0.99%
0.6	Airline Fares	-8.09%	-8.11%	-2.95%	-2.55%	3.96%	6.38%	-2.15%	-2.05%	-1.63%	-1.16%	0.44%	-1.53%
3.1	Recreation Services	0.77%	0.46%	-0.09%	0.74%	0.01%	1.19%	0.73%	0.29%	0.94%	0.78%	0.19%	0.03%
4.8	Education and Communication Services	0.29%	-0.27%	-0.15%	0.07%	0.29%	0.21%	0.45%	0.26%	0.98%	0.17%	0.17%	0.21%
1.5	Other Personal Services	-0.07%	0.23%	0.47%	1.52%	0.47%	1.06%	0.54%	-0.15%	0.82%	0.36%	0.27%	0.30%

Source: BofA Global Research, Bureau of Labor Statistics

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Exhibit 4: CPI heatmap (%y/y)
Headline CPI rose by 3.2% y/y in July and core rose by 4.7% y/y

Jun-23				May-	Apr-	Mar-				Nov-	Oct-	Sep-	Aug-
weight	Component	Jul-23	Jun-23	23	23	23	Feb-23	Jan-23	Dec-22	22	22	22	22
100.0	Headline CPI	3.18%	2.97%	4.05%	4.93%	4.98%	6.04%	6.41%	6.45%	7.11%	7.75%	8.20%	8.26%
13.4	Food	4.86%	5.74%	6.69%	7.65%	8.50%	9.49%	10.13%	10.41%	10.63%	10.95%	11.24%	11.37%
7.0	Energy	-12.47%	-16.74%	-11.66%	-5.06%	-6.42%	5.19%	8.70%	7.31%	13.07%	17.63%	19.79%	23.81%
70.6	6 60	4.650/	4.000/	E 220/	E 530/	E 500/	F F 40/	E 500/	F 740/	E 0.50/	6 3 0 0 l	5 5201	£ 220/
79.6	Core CPI	4.65%	4.83%	5.33%	5.52%	5.59%	5.54%	5.58%	5.71%	5.96%	6.28%	6.63%	6.32%
4.3	Household Furnishings and Supplies	2.24%	3.24%	4.08%	4.77%	5.79%	6.33%	6.37%	7.28%	8.28%	8.81%	9.90%	10.60%
2.5	Apparel	3.18%	3.07%	3.47%	3.65%	3.25%	3.26%	3.06%	2.91%	3.55%	4.09%	5.46%	5.06%
7.8	Motor Vehicles & Parts	-1.27%	-0.75%	0.12%	-0.30%	-1.82%	-3.18%	-2.26%	-0.95%	2.37%	5.48%	8.40%	9.10%
4.3	New Vehicles	3.50%	4.07%	4.66%	5.42%	6.12%	5.83%	5.78%	5.89%	7.20%	8.39%	9.40%	10.05%
2.8	Used Cars and Trucks	-5.64%	-5.15%	-4.22%	-6.56%	-11.15%	-13.58%	-11.62%	-8.83%	-3.34%	2.03%	7.18%	7.78%
1.5	Medical Care Commodities	4.13%	4.21%	4.42%	4.01%	3.59%	3.19%	3.39%	3.21%	3.13%	3.06%	3.67%	4.09%
2.3	Recreation Commodities	1.02%	1.96%	2.73%	2.90%	3.16%	2.85%	3.27%	4.11%	3.63%	4.31%	4.05%	3.84%
0.9	Education and Communication Commodities	-7.84%	-7.10%	-6.88%	-8.29%	-10.17%	-10.47%	-10.26%	-10.08%	-9.68%	-9.08%	-8.32%	-7.33%
0.8	Alcoholic Beverages	4.10%	4.42%	4.77%	4.64%	4.53%	4.92%	5.82%	5.78%	5.54%	5.01%	4.09%	4.28%
1.2	Other Goods	6.09%	6.13%	6.58%	6.80%	6.91%	6.96%	7.15%	7.17%	7.51%	7.21%	7.90%	7.57%
34.7	Shelter	7.69%	7.83%	8.04%	8.11%	8.18%	8.10%	7.88%	7.51%	7.12%	6.92%	6.59%	6.24%
25.5	Owners' Equivalent Rent of Residences	7.66%	7.81%	8.05%	8.12%	8.04%	8.01%	7.76%	7.53%	7.13%	6.89%	6.68%	6.29%
7.6	Rent of Primary Residence	8.03%	8.33%	8.66%	8.80%	8.81%	8.76%	8.56%	8.35%	7.91%	7.52%	7.21%	6.74%
1.2	Lodging Away From Home	6.04%	4.54%	3.41%	3.31%	7.26%	6.73%	7.69%	3.18%	3.24%	5.86%	2.91%	4.03%
1.1	Water & Sewer & Trash Collection Services	5.83%	5.71%	5.71%	5.41%	5.39%	5.25%	4.97%	4.94%	5.01%	4.77%	4.93%	4.63%
0.9	Household Operations	#N/A	5.21%	4.55%	8.01%	#N/A	#N/A	#N/A	#N/A	#N/A	6.57%	#N/A	6.61%
6.4	Medical Care Services	-1.53%	-0.76%	-0.08%	0.41%	1.03%	2.15%	2.99%	4.12%	4.38%	5.45%	6.51%	5.65%
5.9	Transportation Services	9.03%	8.23%	10.18%	11.03%	13.88%	14.64%	14.63%	14.58%	14.19%	15.19%	14.60%	11.32%
0.6	Airline Fares	-18.59%	-18.85%	-13.44%	-0.87%	17.70%	26.54%	25.56%	29.14%	35.90%	43.02%	42.64%	33.70%
3.1	Recreation Services	6.21%	5.92%	5.76%	6.39%	5.94%	6.34%	5.75%	5.71%	5.38%	3.94%	4.06%	4.24%
4.8	Education and Communication Services	2.72%	2.38%	2.79%	3.13%	3.25%	2.86%	2.77%	2.41%	2.24%	1.32%	1.36%	1.53%
1.5	Other Personal Services	5.95%	6.46%	6.67%	6.30%	5.25%	5.21%	5.34%	5.55%	6.49%	5.76%	5.93%	5.77%

Source: BofA Global Research, Bureau of Labor Statistics

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