The labor market has so far shown remarkable resilience to the Federal Reserve’s recent monetary policy tightening. Severe labor shortages in the post-pandemic era have led many employers to hold on to workers and hire less-skilled workers—even though they expect demand for their goods or services to weaken in the future. As a result, unemployment remains low, and labor productivity has declined.

In response to rising inflation, the Federal Reserve has increased the federal funds rate by 5.25 percentage points since March 2022, its fastest pace of rate hikes in the modern era. Raising the federal funds rate indirectly increases a broader range of interest rates and hence borrowing costs throughout the economy, which can slow consumer spending and business investments and help reduce inflation. However, by reducing demand, tightening monetary policy can also lead to layoffs and higher unemployment (Bernanke and Blinder 1992).

So far, the Fed’s recent policy tightening appears to have affected interest-rate-sensitive sectors but had a limited effect on the labor market. The green bars in Chart 1 show that housing sales, used vehicle prices, wholesale and retail sales, and private investment have declined since the tightening cycle began. In contrast, unemployment and layoff rates have remained nearly unchanged throughout the tightening period.
Unprecedented labor shortages in the post-pandemic period have likely contributed to a strong labor market that so far seems to be resilient to the effects of monetary policy tightening. A common approach to measuring labor shortages is to compare the number of job openings in the economy (a proxy for labor demand) to the number of unemployed individuals (a proxy for labor supply). The left panel of Chart 2 shows that for most of the past two decades, the U.S. labor market had more unemployed workers (green line) than unfilled jobs (blue line). However, this situation reversed with the onset of the COVID-19 pandemic in early 2020, and the labor market now has far more unfilled jobs than available workers.¹
The vacancies-to-unemployment (V/U) ratio, a popular measure of the severity of labor shortages, suggests the labor market is currently tight. If the ratio of job openings to unemployed individuals is under 1, the labor market is considered “slack,” as there are more unemployed workers than available jobs; if it is above 1, the labor market is considered “tight,” as there are more unfilled jobs than workers to fill them (Furmann and Powell 2021). The right panel of Chart 2 shows that the V/U ratio was mostly below 1 the past two decades, but skyrocketed to historical highs in 2020 at the onset of the pandemic. Although the V/U ratio has declined since the Fed’s tightening cycle began in March 2022, it remains elevated.

Tight labor market conditions in the post-pandemic period may make hiring new workers more challenging due to fewer available workers and increased competition for potential labor. Chart 3 summarizes responses on firms’ hiring efforts in August 2023 from the National Federation of Independent Business (NFIB) Small Business Economic Trends survey, which collects monthly information on various business indicators for a random sample of 10,000 businesses. The first bar shows that 59 percent of respondents reported trying to hire new workers in the past month. The second bar shows that more employers said they had raised wages for existing and potential workers in the past month relative to employers who said they did not change or decrease wages (a net positive of 36 percent). Nevertheless, more respondents said they could not fill job openings in the past month relative to respondents who reported similar or less difficulty filling positions (a net positive of 40 percent).
The NFIB survey results suggest that many firms may be scarred by a past or current inability to hire and thus may be holding on to workers—even in the face of weak demand. The left panel of Chart 4 shows that a significant share of firms does not expect the economy or sales to improve in coming months (blue bars). Despite this pessimism, a substantial percentage of firms plans to increase employment and wages in the coming months (green bars). The stark contrast between weak expectations for demand and future hiring plans suggests that some firms may be attempting to hold on to their existing labor by raising wages and increasing employment—behavior known as “labor hoarding.”

Note: Chart shows responses to selected questions from the August 2023 NFIB survey. Source: NFIB (Haver Analytics).
Post-Pandemic Labor Shortages Have Limited the Effect of Monetary Policy on the Labor Market

Endnotes

[1] As of July 2023, there were 3 million more unfilled jobs than unemployed persons.

[2] NFIB’s national membership spans the spectrum of business operations, ranging from sole proprietor to firms with hundreds of employees. The typical NFIB member employs 10 people and reports annual gross sales of about $500,000.

[3] The other options available for respondents are competition, insurance, finance, government, inflation, sales, taxes, and other. The chart shows the mean percent of firms reporting one of these options as their most single important problem.

Elior Cohen is an economist at the Federal Reserve Bank of Kansas City. The views expressed are those of the author and do not necessarily reflect the positions of the Federal Reserve Bank of Kansas City or the Federal Reserve System.
Post-Pandemic Labor Shortages Have Limited the Effect of Monetary Policy on the Labor Market

Elior Cohen
Economist

Elior Cohen is an economist at the Economic Research Department of the Federal Reserve Bank of Kansas City. His research interests lie at the intersection of labor and public economics. His research applies empirical methods to study various topics, including homelessness, housing, immigration and innovation. Elior joined the Bank in 2021 after completing his Ph.D. in Economics at UCLA.