

## Here's how the Fed raises interest rates and why it matters

---

Banks give out money all the time — for a fee.

When we borrow and then pay back with interest, it's how banks make money.

The cost of borrowing, known as the interest rate, can make a big difference in which credit card you choose or whether you get one at all.

But if your bank wants to make it more expensive to borrow, it's not as simple as just slapping on a new rate, as a grocer would with milk prices. It's something controlled higher up by the Federal Reserve, America's central bank.

### **Why does the Fed care about interest rates?**

In 1977, Congress gave the Fed two main tasks: Keep the prices of things Americans buy stable and create labor-market conditions that provide jobs for all the people who want them.

The Fed has developed a toolkit to achieve these dual goals of inflation and maximum employment. But interest-rate changes make the most headlines, perhaps because they have a swift effect on how much we pay for credit cards and other loans.

From Washington, the Fed adjusts interest rates with the hope of spurring all sorts of other changes in the economy. If it wants to encourage consumers to borrow so spending can increase, which should boost economic growth, it cuts rates and makes borrowing cheap. After the Great Recession, it kept rates near zero to achieve just that.

To accomplish the opposite and cool the economy, it raises rates so an extra credit card seems less desirable.

The Fed often adjusts rates in response to inflation — the increase in prices that happens when people have more to spend than what's available to buy.

For most of this economic recovery, inflation hasn't really picked up, though it is now well within the Fed's target range. It's long been expected to accelerate, especially after the federal government provided a jolt in the form of tax cuts, and as the unemployment rate lingers at its lowest level since 1969.

For now, the Fed is not exactly raising rates to fight out-of-control inflation, though it expects prices to rise. That's why the most closely watched issues on Wednesday include the Fed's forecasts for economic growth and future rate hikes.

### **So how do rates go up or down?**

Banks don't lend only to consumers; they lend to one another as well.

That's because at the end of every day they need to have a certain amount of capital in their reserves. As we spend money, that balance fluctuates, so a bank may need to borrow overnight to meet the minimum capital requirement.

And just as they charge you for a loan, they charge one another.

The Fed tries to influence that charge — called the federal funds rate — and it's what the Fed is targeting when it raises or cuts rates.

When the fed funds rate rises, banks also hike the rates they charge consumers, so borrowing costs increase across the economy.

### **Floor and ceiling**

After the Great Recession, the Fed bought an unprecedented amount in government bonds, or Treasury's, to inject cash into banks' accounts. Nearly \$2 trillion in excess reserves is now parked at the Fed. (There was less than \$500 billion in 2008.)

It figured that one way to pare down these Treasury's was to lend some to money-market mutual funds and other dealers. It does this in transactions known as reverse repurchase operations, which involve selling the Treasury's and agreeing to buy them back the next day.

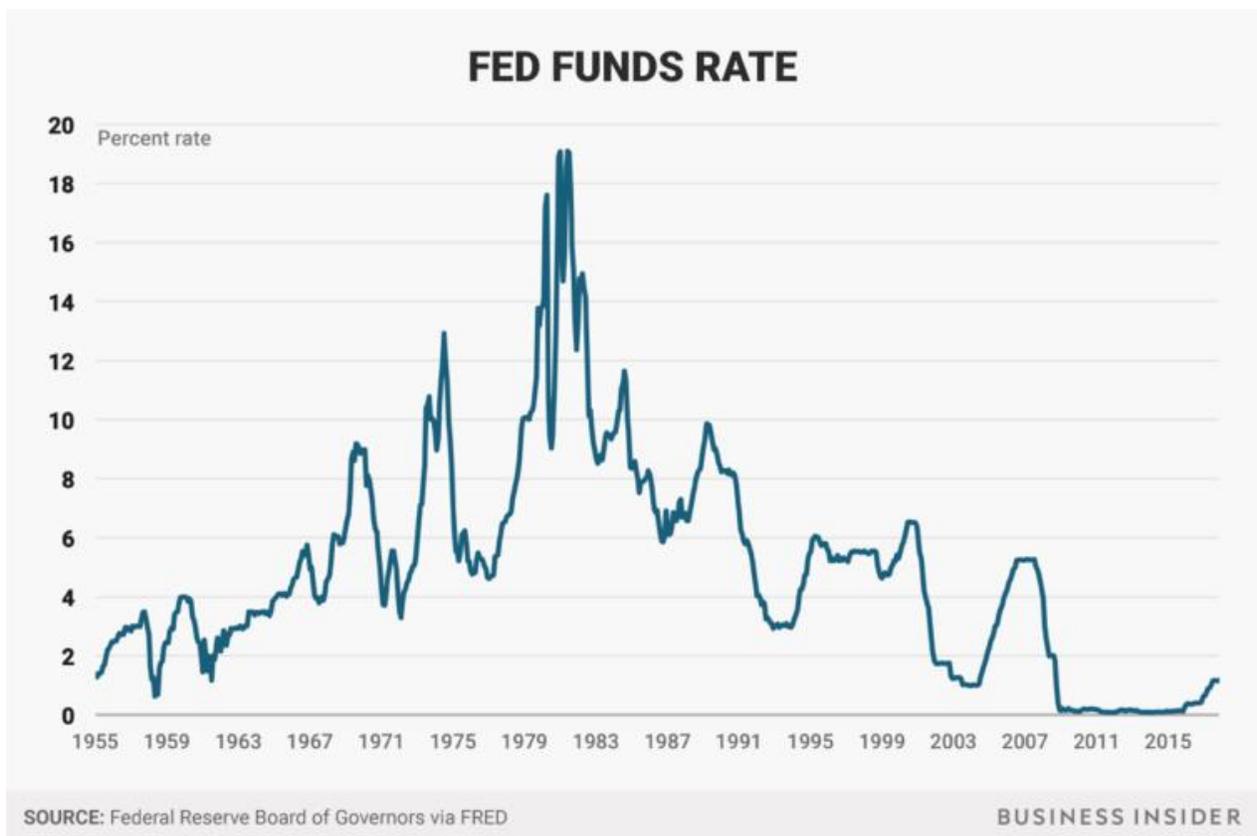
The Fed sets a lower "floor" rate on these so-called repos.

Then it sets a higher rate that controls how much it pays banks to hold their cash, known as interest on excess reserves. This acts as a ceiling, since banks won't want to lend to one another at a rate lower than what the Fed is paying them — at least in theory.

In September, when the Fed most recently raised rates, it set the repo rate at 2% and the interest on excess reserves at 2.25%, the highest range in more than a decade.



The effective fed funds rate, which is what banks use to lend to one another, would now float between a target range of 2% and 2.25%.



When the Fed raises rates, banks are less incentivized to lend, since they are earning more to park their cash in reserves.

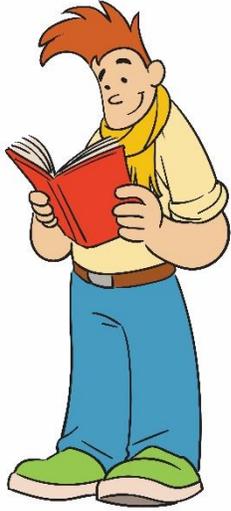
### **But I'm not a bank**

After the Fed lifts the fed funds rate, the baton is passed to banks.

Banks first raise the rate they charge their most creditworthy clients — such as large corporations — known as the prime rate. Usually, banks announce this hike within days of the Fed's announcement.

Things like mortgages and credit-card rates are then benchmarked against the prime rate.

"The effect of a rate hike is going to be felt most immediately on credit cards and home-equity lines of credit, where the quarter-point rate hike will show up typically within 60 days," said Greg McBride, the chief financial analyst at Bankrate.com.



Higher rates are already being felt in the housing market and are feared to be among the reasons for the ongoing slowdown. Mortgage rates, though still low by historical standards, are on the rise at a time when the inventory of affordable houses is low. The average fixed 30-year mortgage rate last Wednesday was 4.83%, up from 3.85% at the beginning of the year, according to Bankrate.com.

Savers can also expect higher interest rates on their deposits, although banks are much slower to raise these and are more motivated by competition.