

Data Insights: Jobs

Friday, May 8, 2020

Today's jobs data: what you need to know

Non-farm payrolls	Change Apr: -20500	Revision Mar: -169	Revision Feb: -45	
Private payrolls	Change Apr: -19520	Revision Mar: -129	Revision Feb: -43	
Employment	Change Apr: -22369			
Unemployment	Change Apr: +15938			
Long-term unemployment	Change Apr: -38			
Civilian labor force	Change Apr: -6432	6.72 million below trend	More than all leavers employed	
Unemployment rate	Apr: 14.75%	Change Apr: +10.37%		
Underemployment rate	Apr: 22.8%	Change Apr: +14.1%		
Participation rate	Apr: 60.2%	Change Apr: -2.5%		
UE adjusted for participation	Apr: 22.2%	Change Apr: +13.08%		
Average weeks unemployed	Apr: 6.1	Change Apr: -11.0		
% longterm unemployed	Apr: 4.1%	Change Apr: -11.8%		
Aggregate hours worked index	Apr: 93.9	Change Apr: -14.9%	Revision Mar: -1	
Average hourly earnings	Apr: +4.67%	Change Apr: +4.15%	Revision Mar: +0.14%	
Aggregate weekly earnings	Apr: 134.7	Change Apr: -10.9%	Revision Mar: -0.4	
Monthly job-finding probability	Apr: -23.2%	Change Apr: -61.0%		
Monthly separation probability	Apr: 11.3%	Change Apr: +8.6%		
% involuntary part-time	Apr: 8.2%	Change Apr: +4.5%		
"Household" vs "Payroll" jobs	Change Apr: -6522			

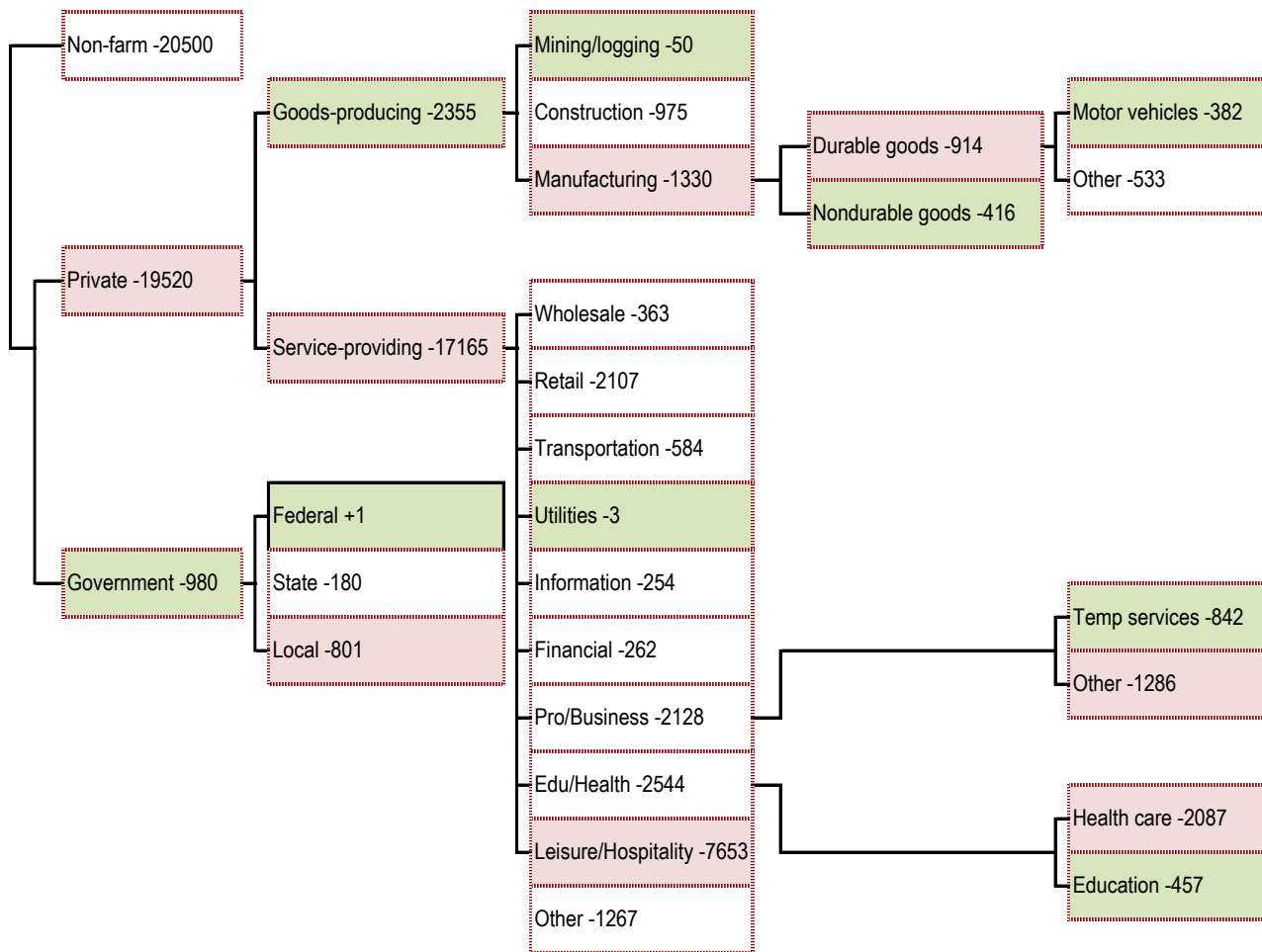
Source: Bureau of Labor Statistics, TrendMacro calculations

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Today's payroll data: what you need to know -- where did the jobs come from?

Sequential month change, thousands SA --- Net job losses Biggest change per detail module: ■ best ■ worst



Where is the pay coming from?

Vertical: Hourly wages vs average Horizontal: Payrolls change this month Circle size: Share of all employment

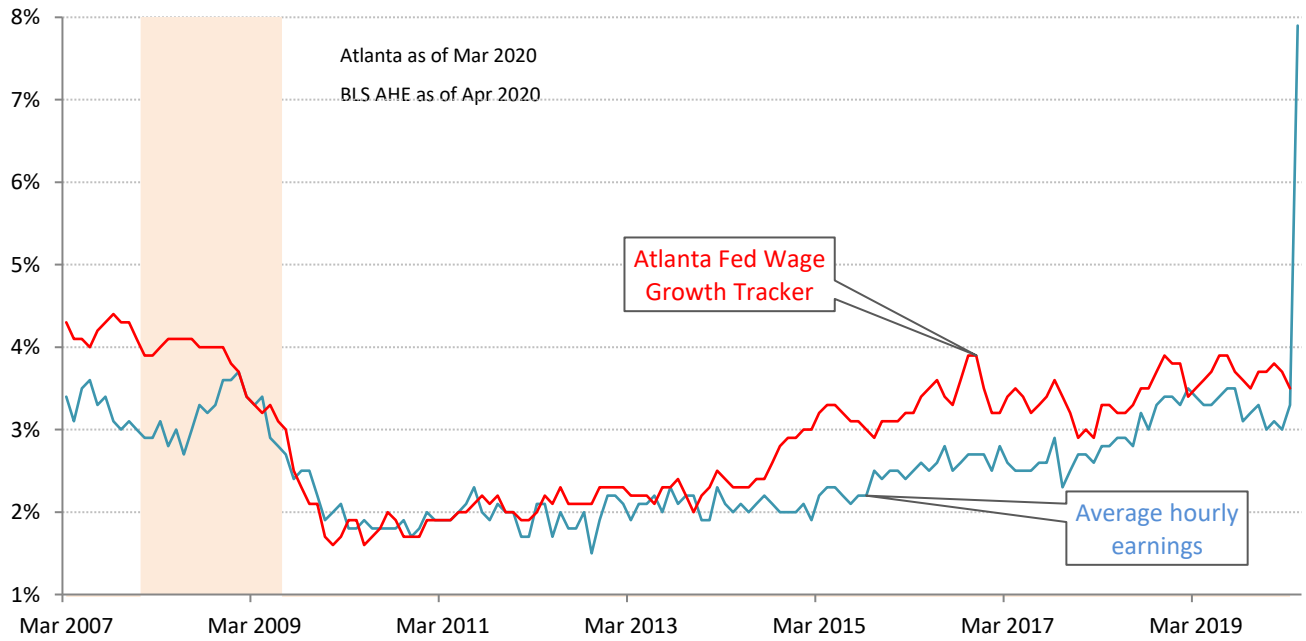


Job losses strongly concentrated in low-wage Leisure sector.

Source: BLS, TrendMacro calculations

Solving the wage-growth puzzle

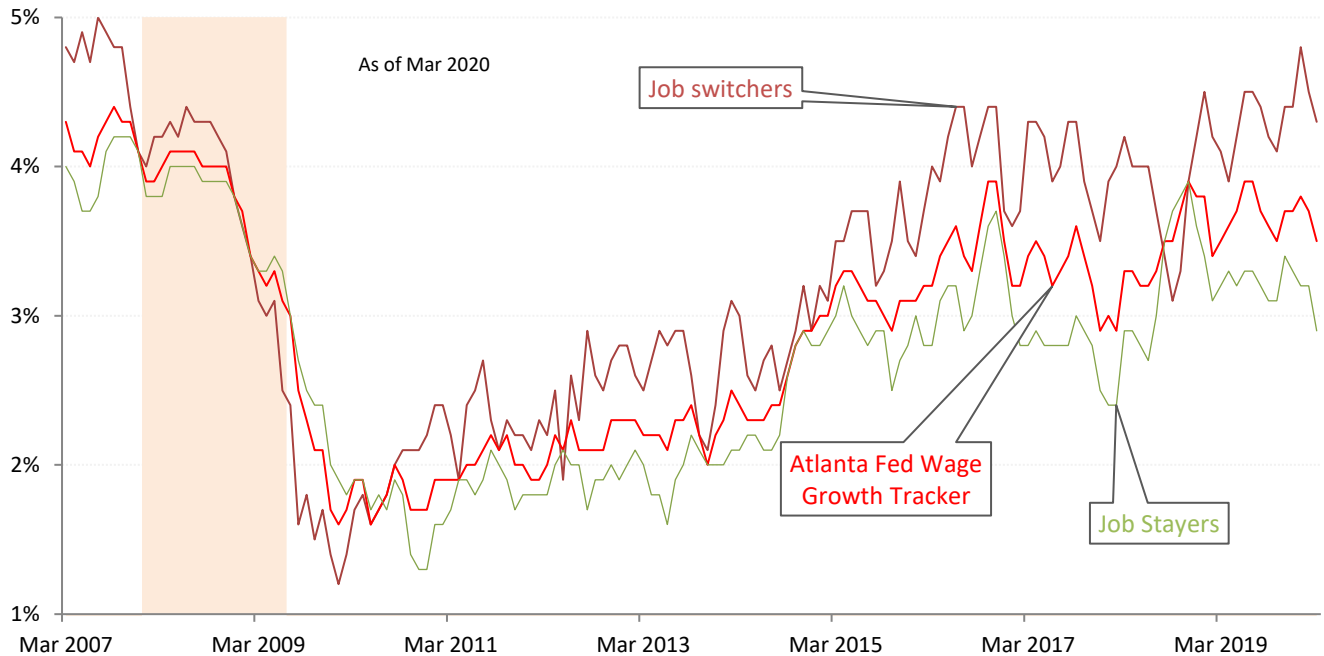
YOY average hourly earnings growth Atlanta Fed Wage Growth Index Recession



Source: BLS Current Employment Statistics, Atlanta Federal Reserve Bank, TrendMacro calculations

The wages of dynamism

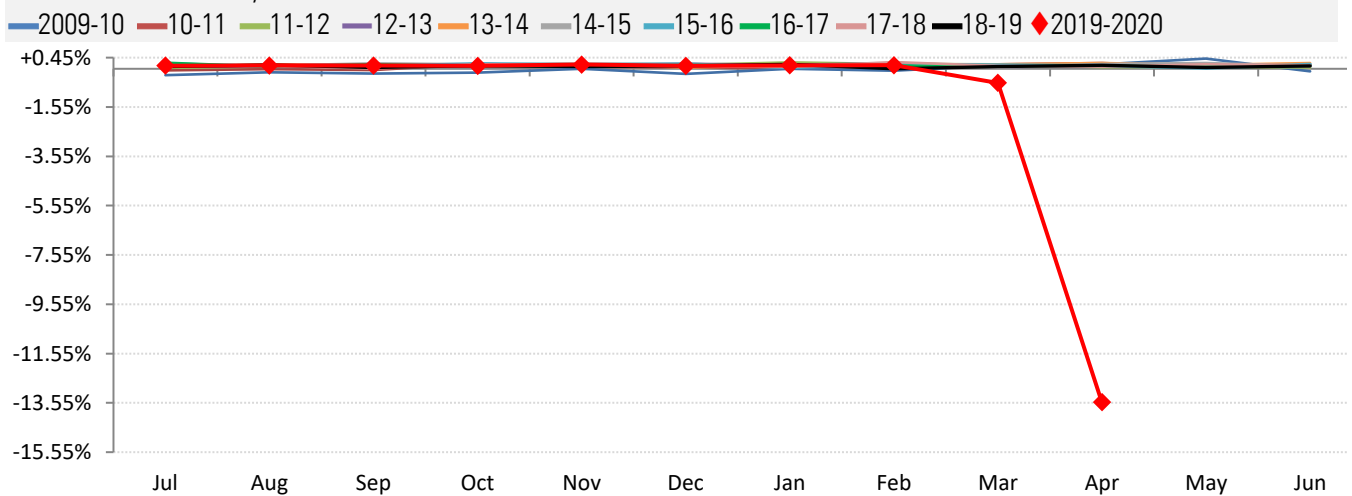
YOY wage growth for steady employees, versus those who change jobs Recession



Source: Atlanta Federal Reserve Bank, TrendMacro calculations

The payroll cycle in the Not So Great Expansion following the Great Recession

Growth MOM from July:

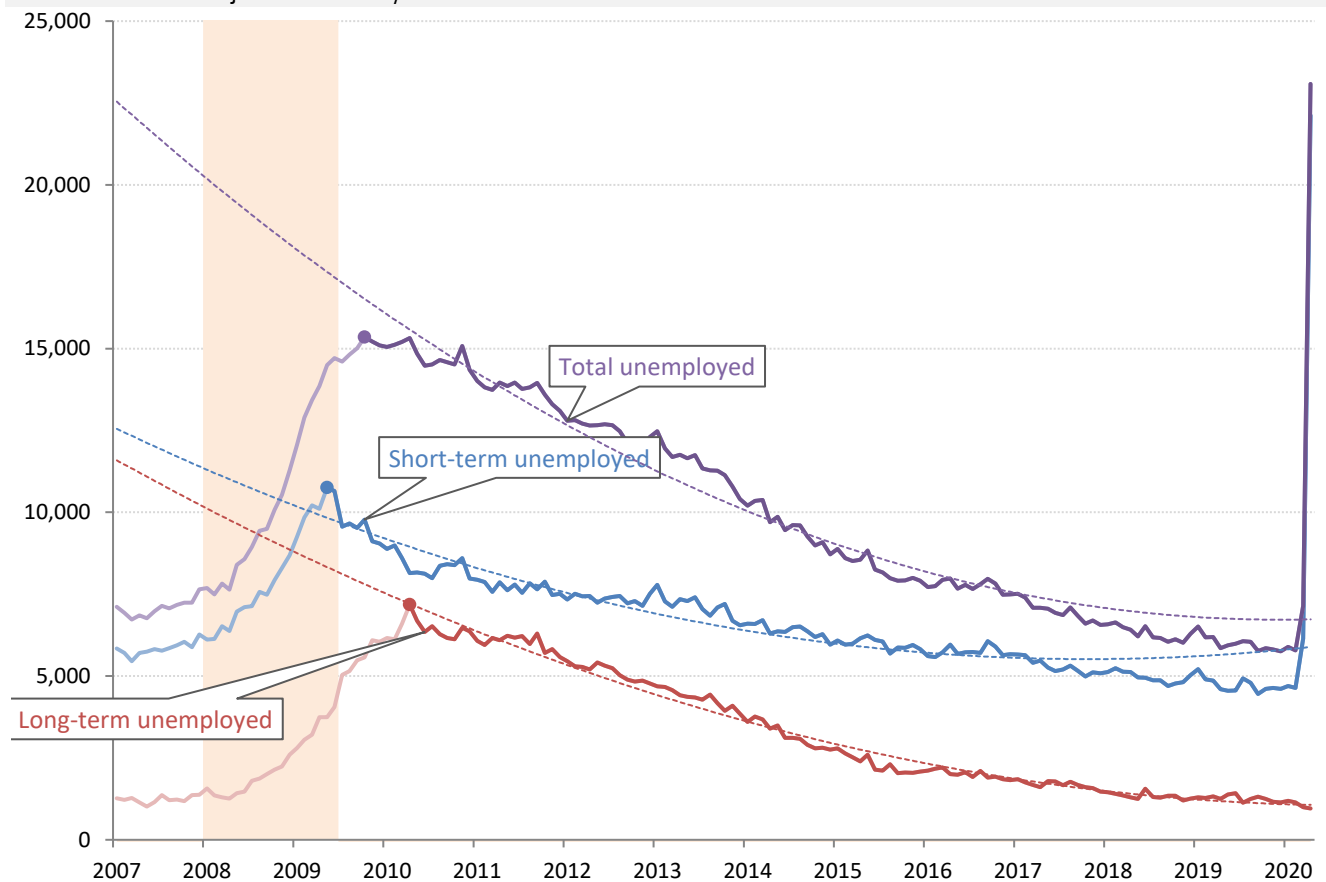


Source: BLS Current Population Survey, TrendMacro calculations

How the ultimate jobless recovery became jobful

Unemployment: thousands Short-term = <27 weeks Long-term = >27 weeks

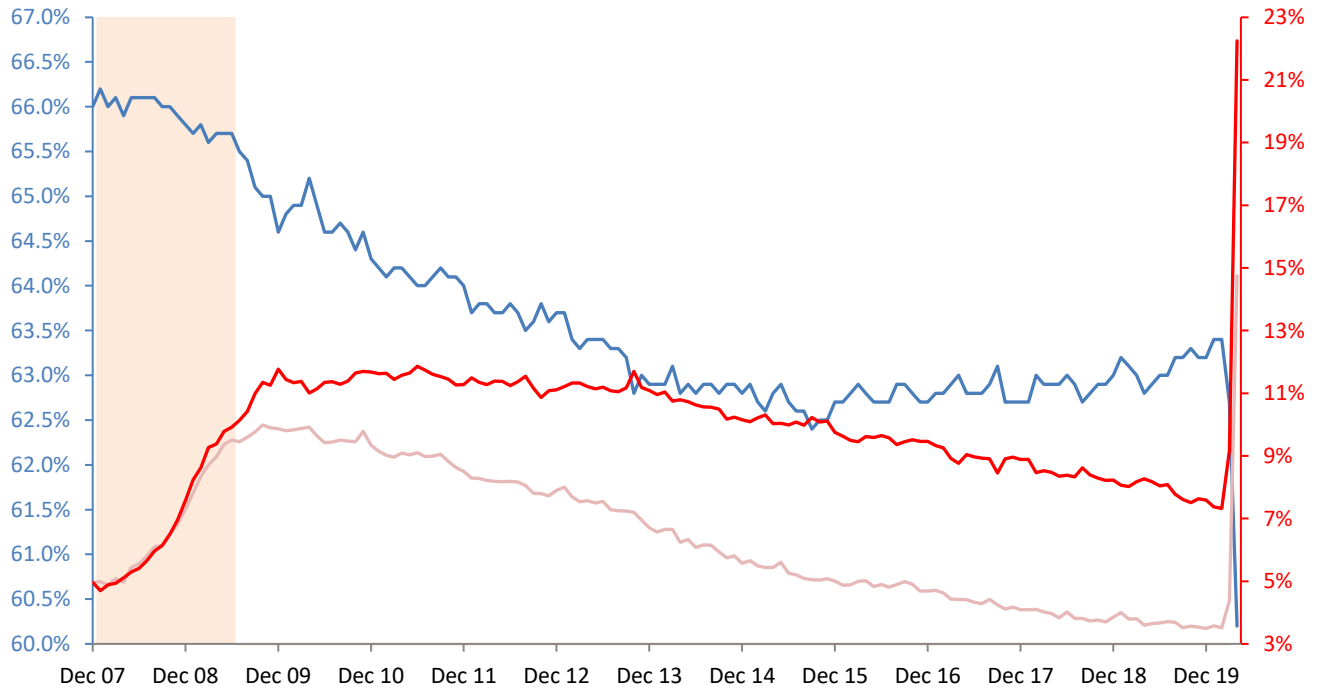
Income inflation adjusted to today's USD



Source: BLS Current Population Survey, TrendMacro calculations

Unemployment rate normalized for participation rate December 2007

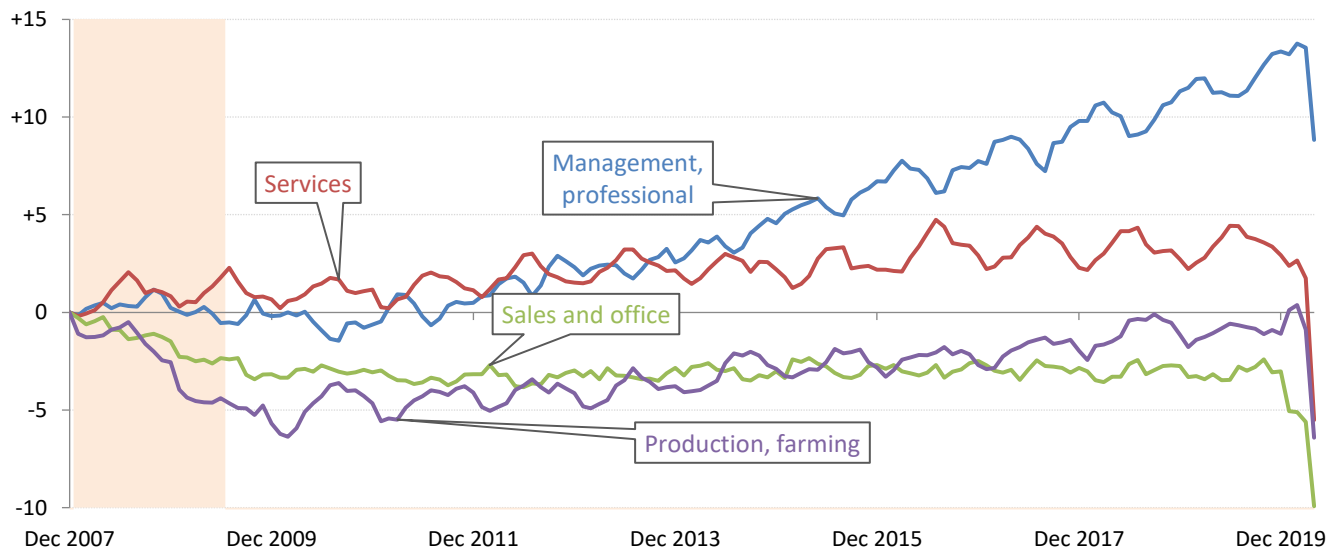
— Participation rate — Headline unemployment rate — Recession



Source: BLS Current Population Survey, TrendMacro calculations

Winner and losers in the Not So Great Expansion following the Great Recession

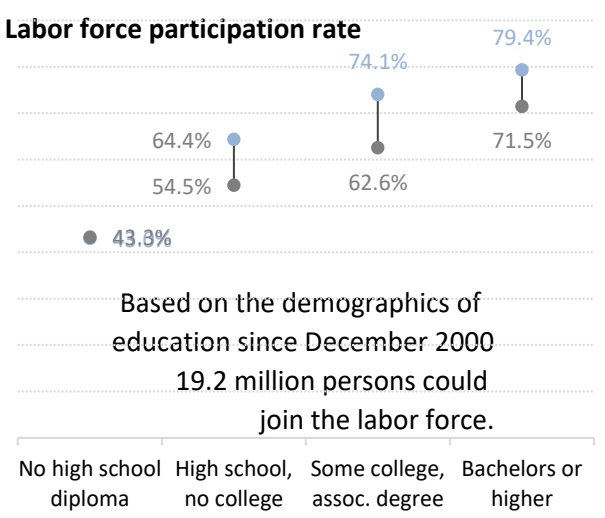
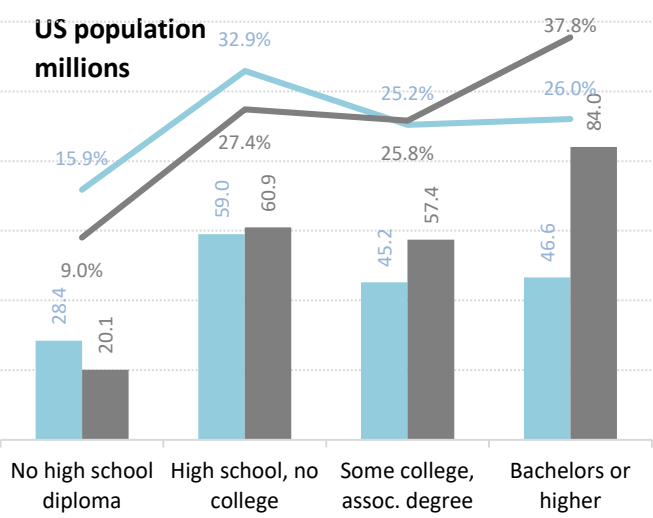
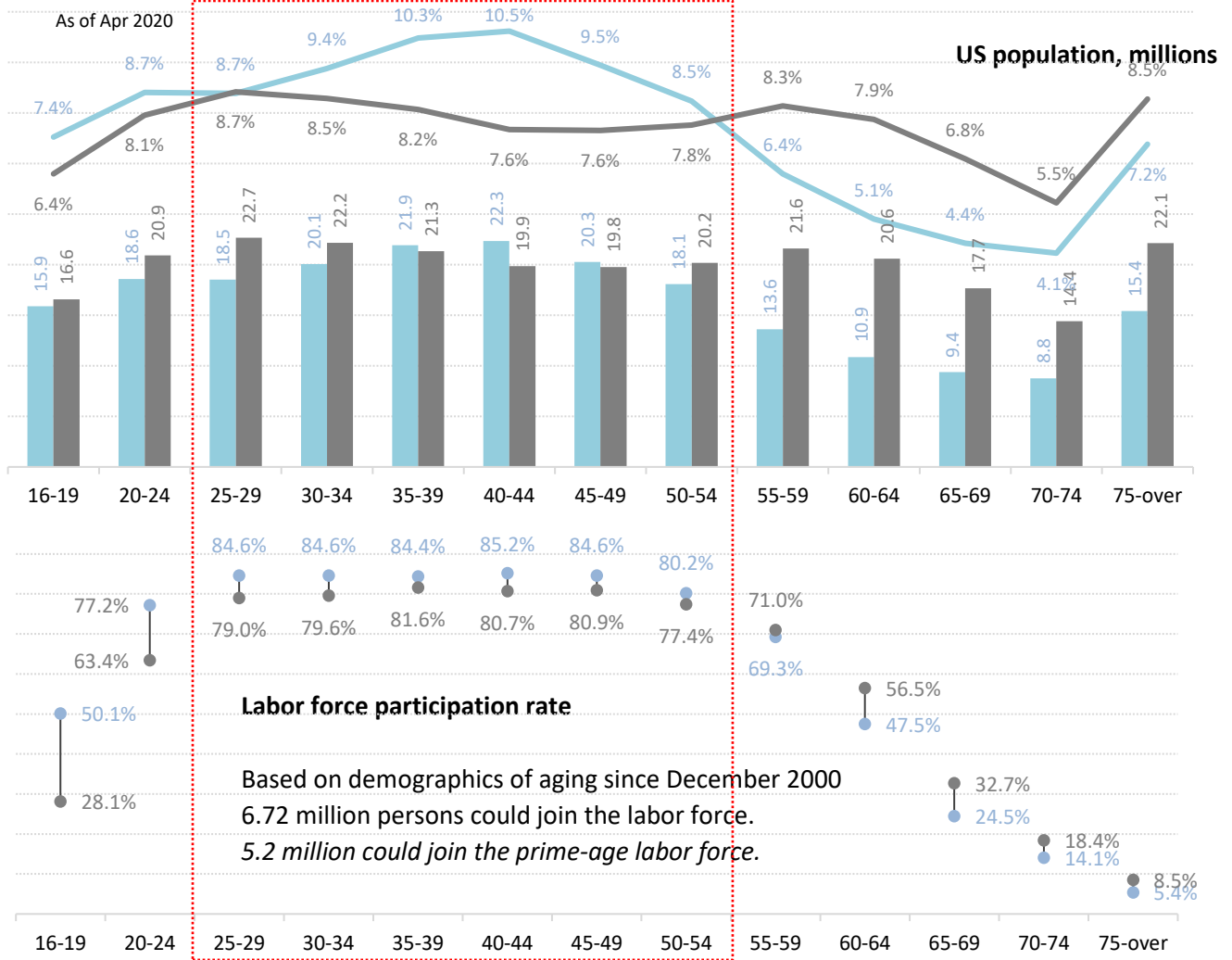
Change in total payrolls from prior business cycle peak, millions



Source: BLS, NBER, TrendMacro calculations

US labor force demographics: fading baby boom and its well-educated echo

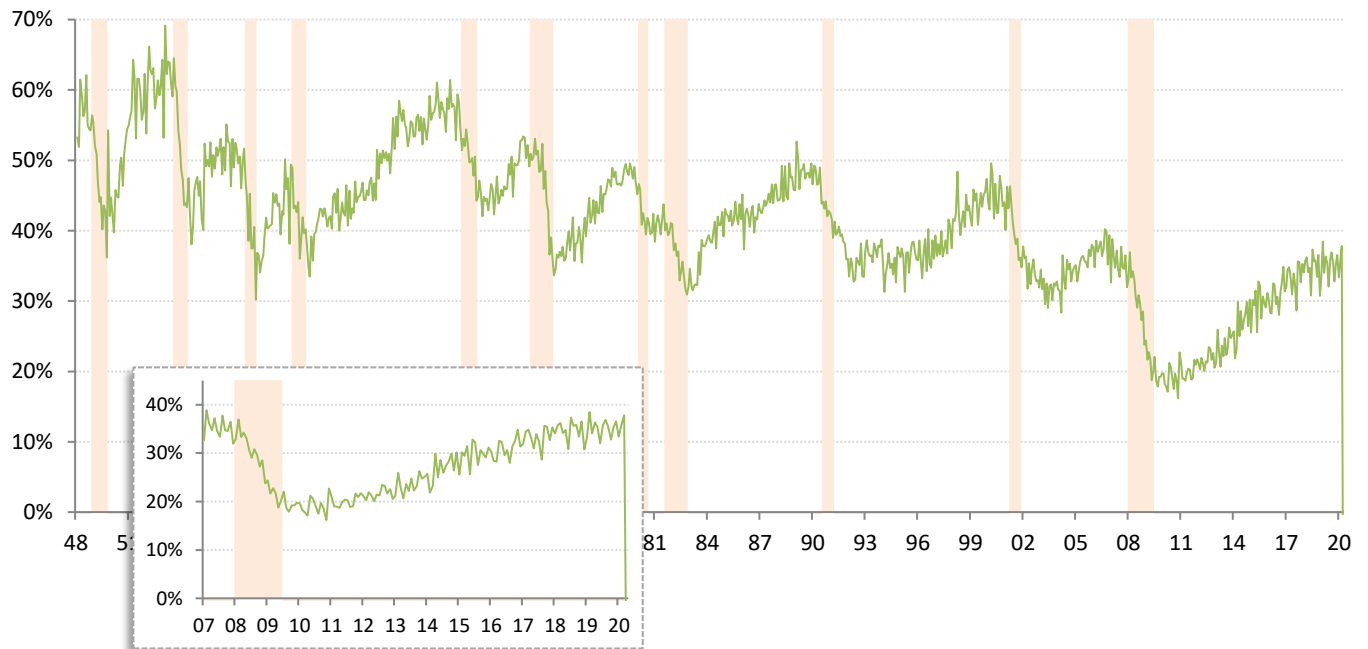
By age and education bracket: ■ Dec 2000, peak in the labor force participation rate ■ Latest □ Prime age



Source: BLS Current Population Survey, TrendMacro calculations

Monthly job-finding probability (the outflow rate from unemployment)

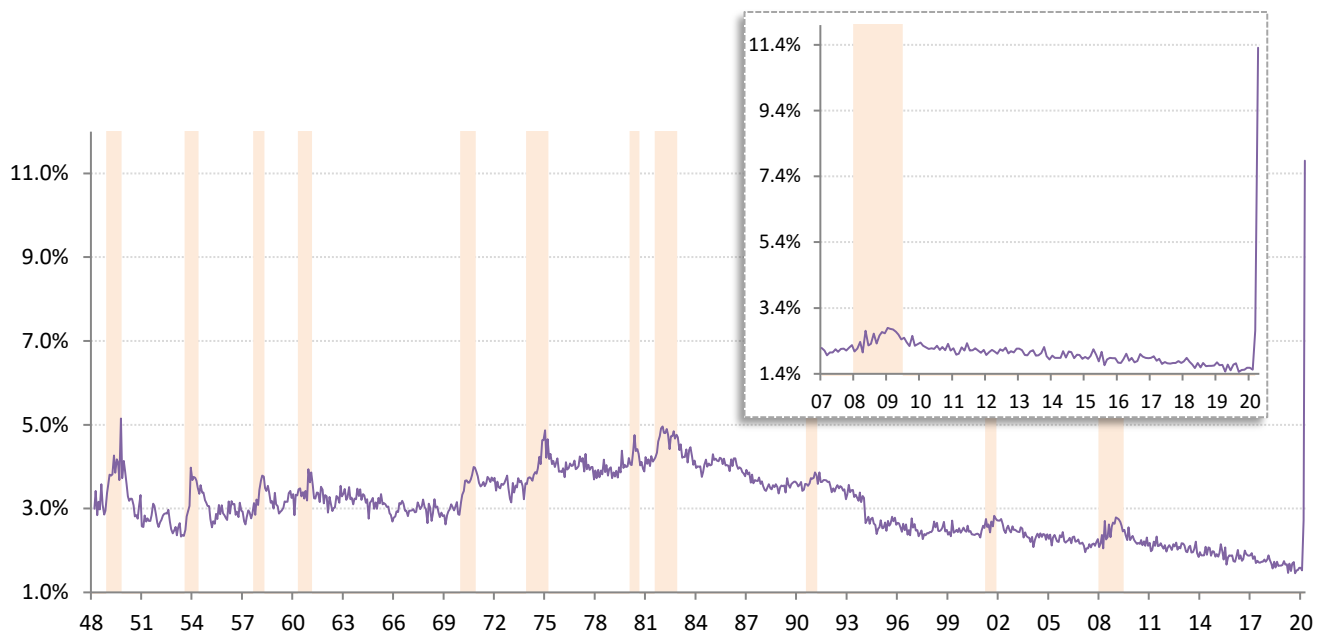
Chance of an unemployed person becoming employed in one month (per [Shimer 2005](#)) Recession



Source: BLS Current Population Survey, TrendMacro calculations

Monthly job-separation probability (the inflow rate to unemployment)

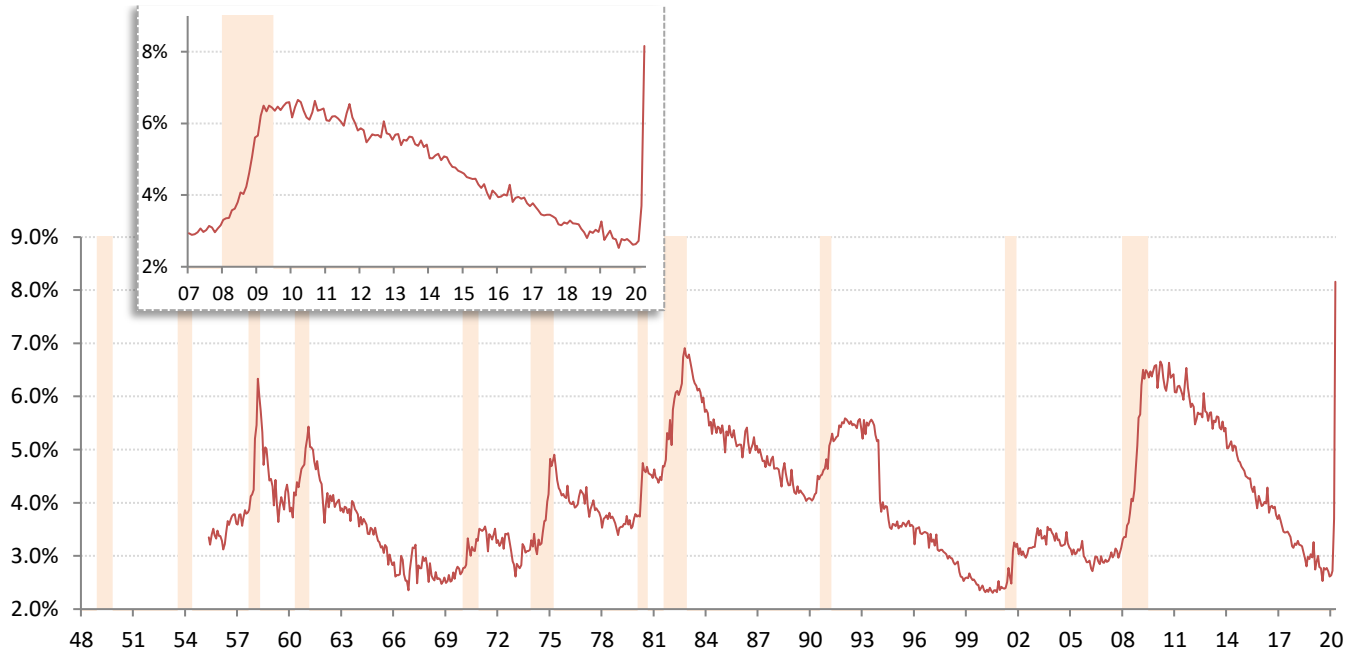
Chance of an employed person becoming unemployed in one month (per [Shimer 2005](#)) Recession



Source: BLS Current Population Survey, TrendMacro calculations

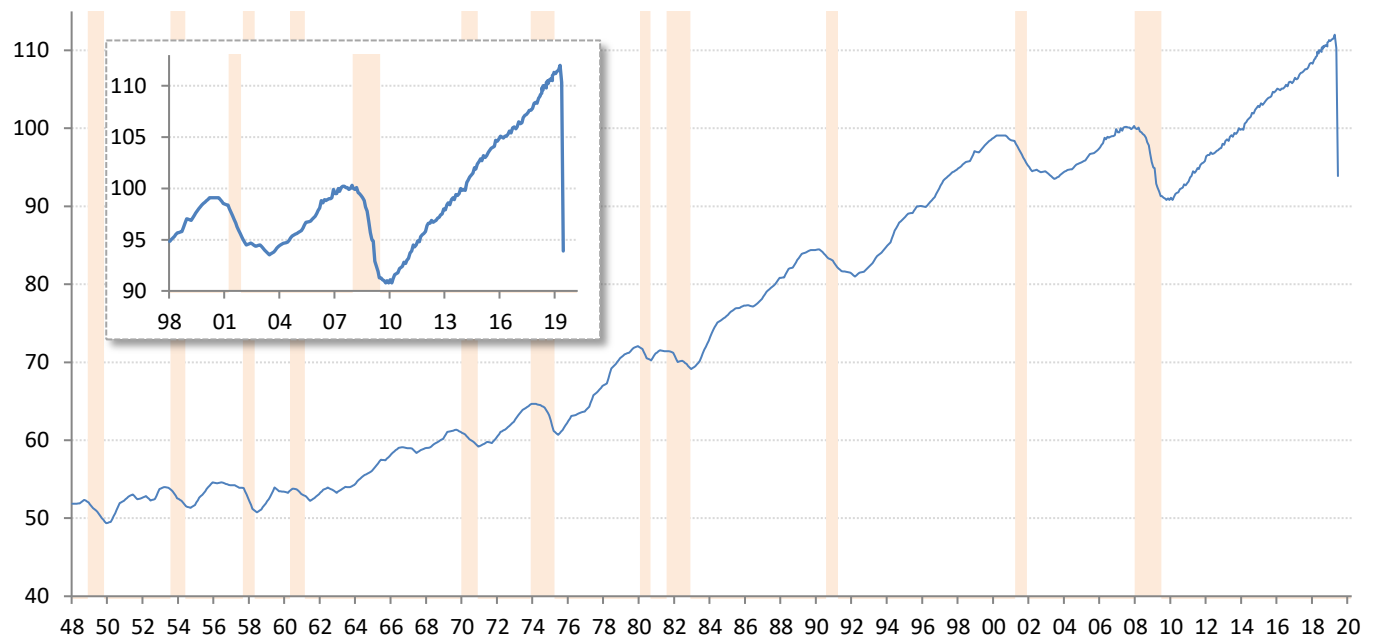
Involuntary part-time workers as percentage of the employed labor force

Persons available for full-time work ■ Recession



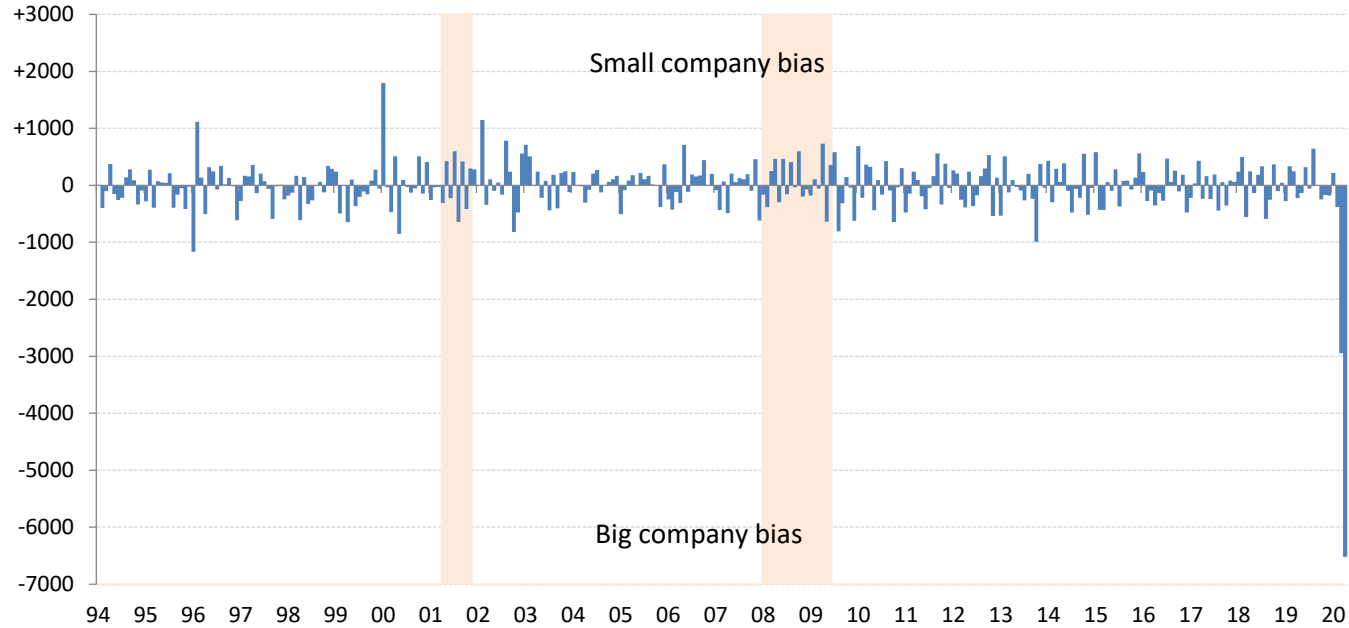
Source: BLS Current Population Survey, TrendMacro calculations

Aggregate weekly private hours-worked index ■ Recession



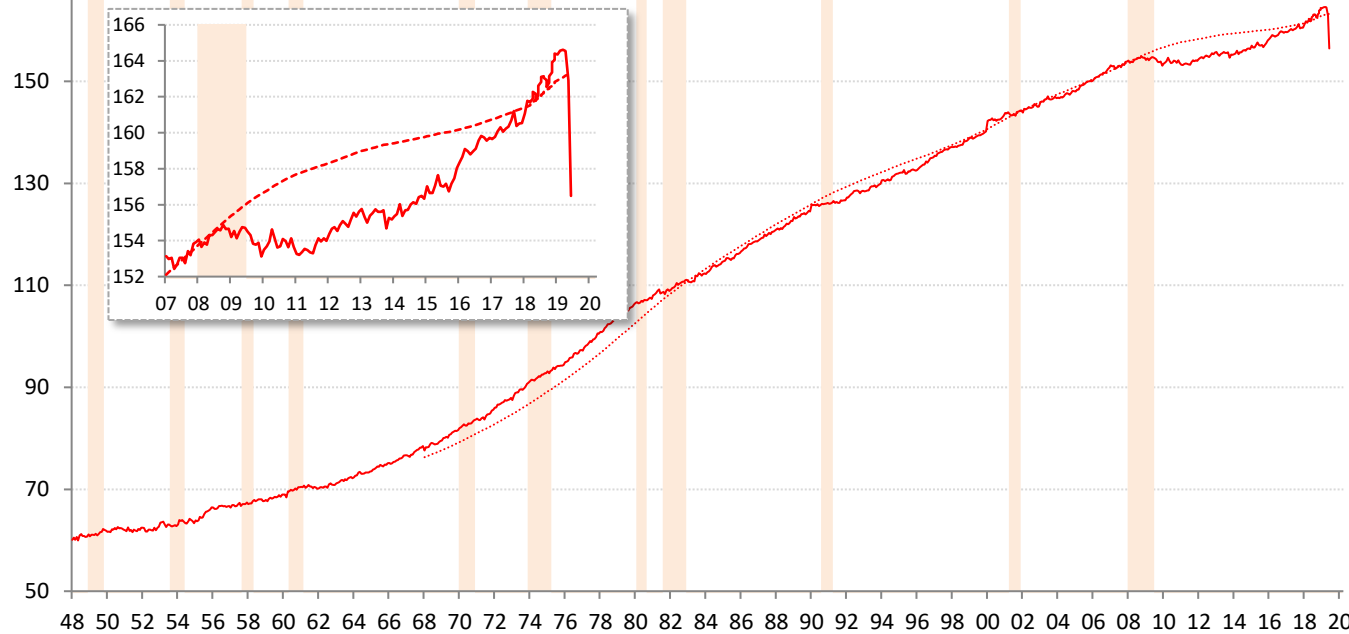
Source: BLS Productivity and Costs (quarterly) and Current Employment Stats (recent monthly), TrendMacro calcs

Difference in employment change: "household" minus "payroll" surveys ■ Recession



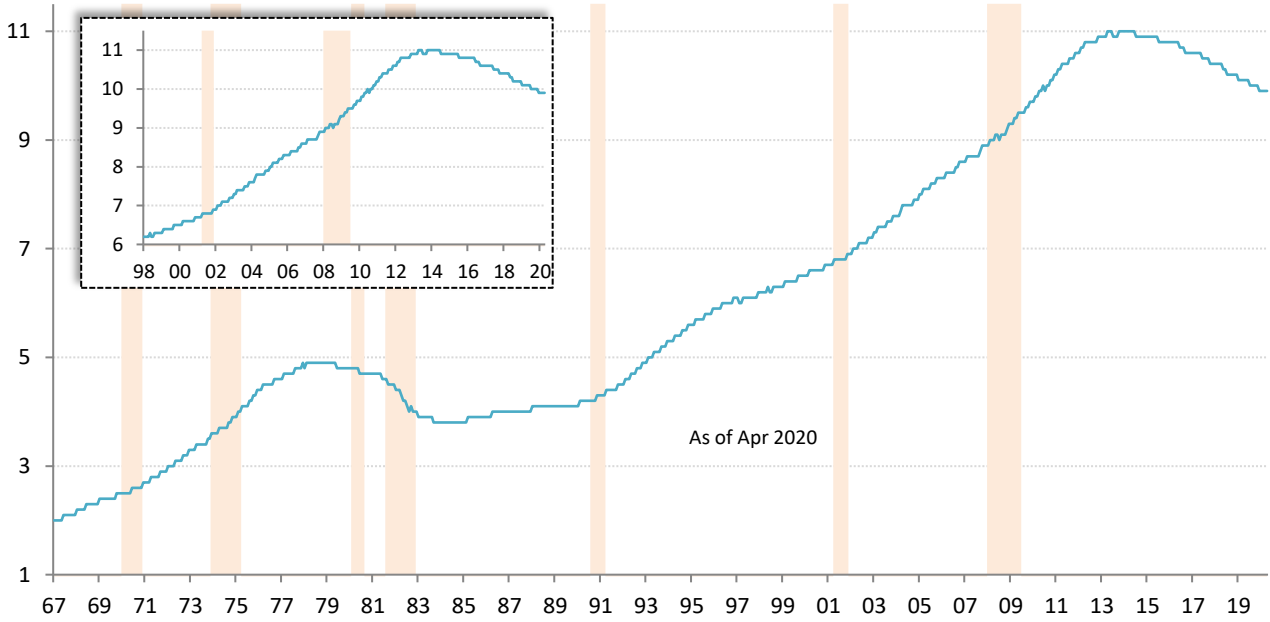
Source: BLS Current Population Survey and Current Employment Statistics, TrendMacro calculations

Civilian labor force versus 20-year trend, millions ■ Recession

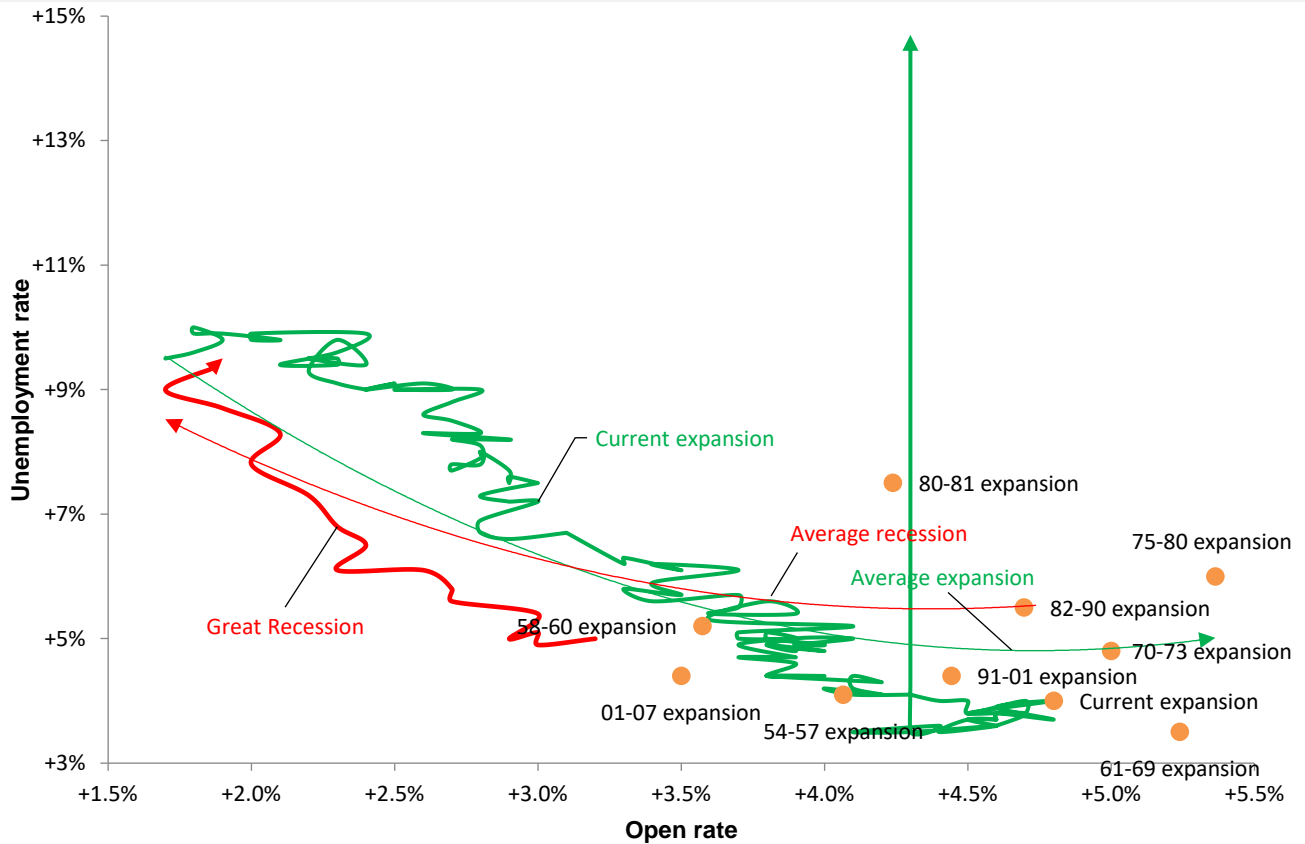


Source: BLS Current Population Survey, TrendMacro calculations

Can the disabled come back to the labor force? Social Security disability recipients, millions



Running out of workers? The Beveridge Curve Cycle relationship between unemployment and job openings



Source: BLS Current Population Survey & JOLTS. Pre-2000:Conference Board normalized per [Valletta \(2005\)](#), TrendMacro calculations