



## What Is Contributing to the Resurgence in Oklahoma Wage Growth?

by: Chad Wilkerson

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Wages in Oklahoma, which shrank during the oil downturn of 2015-16, have been growing faster in 2017 than the nation overall.

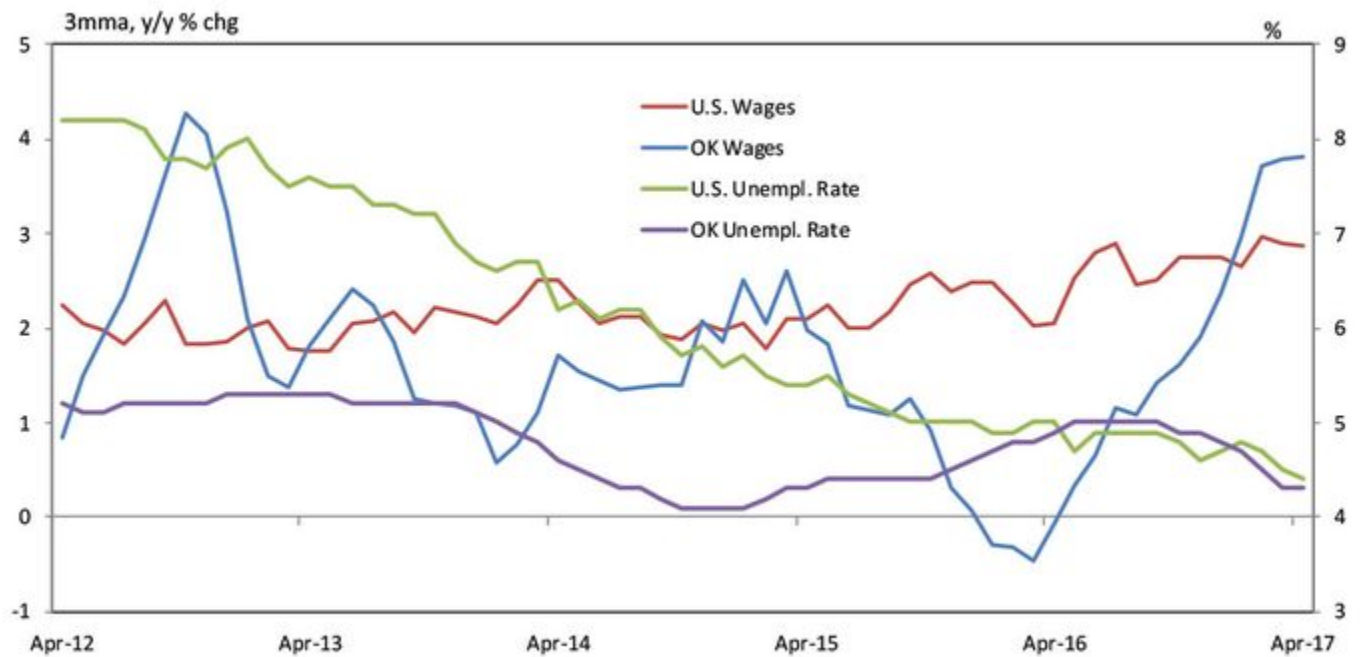
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Wages in Oklahoma, which shrank during the oil downturn of 2015-16, have been growing faster in 2017 than the nation overall. This growth has occurred even as the state has continued to lag the nation in overall job growth. There appears to be two key contributors to this faster growth in average hourly earnings: stronger job gains in Oklahoma's higher-paying industries than in its lower-paying ones and a bigger decline in state unemployment rates than in the nation.

### Higher wage growth despite slower job growth

Oklahoma wage growth in February, March and April averaged 3.8 percent on a year-over-year basis, nearly a full percentage point more than national wage growth (Chart 1).

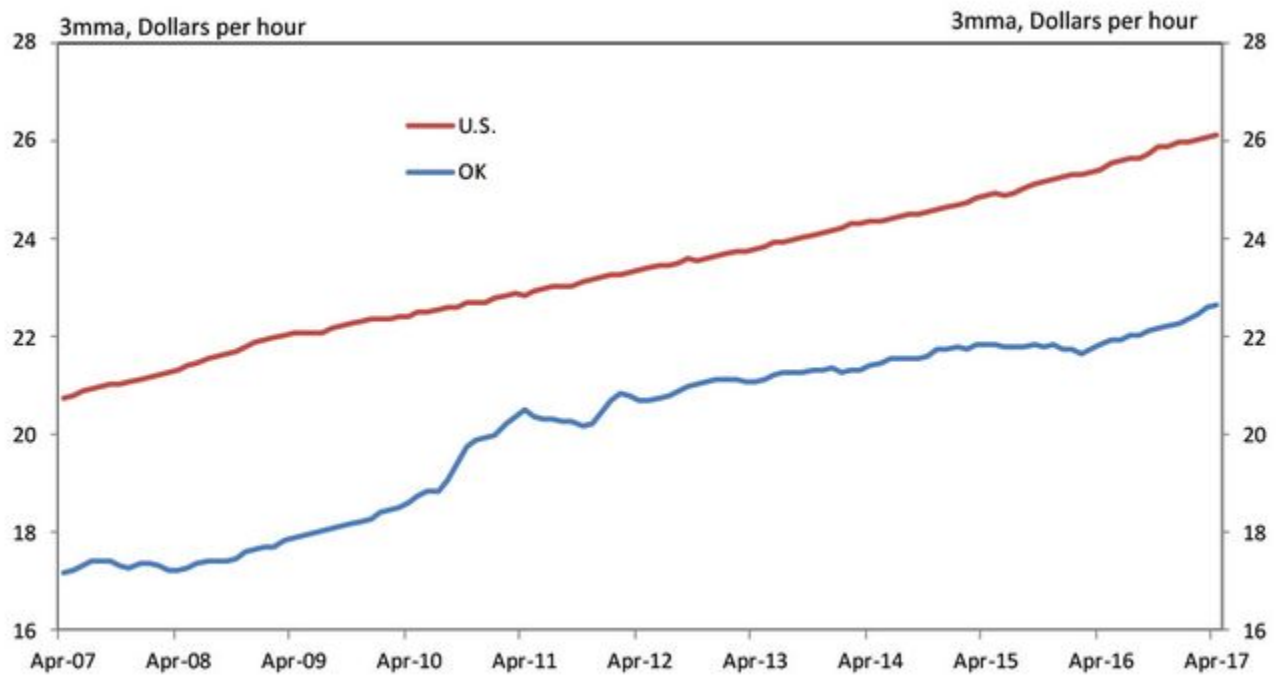
Chart 1. Wage Growth (Average Hourly Earnings)



Source: BLS

This followed two years of gains in average hourly earnings that were considerably less than the national average. Oklahoma's average wages actually declined for several months when layoffs in the oil and gas sector were most acute. This recent spurt in wage growth has begun to narrow a sizable gap in average wages between the state and nation (Chart 2).

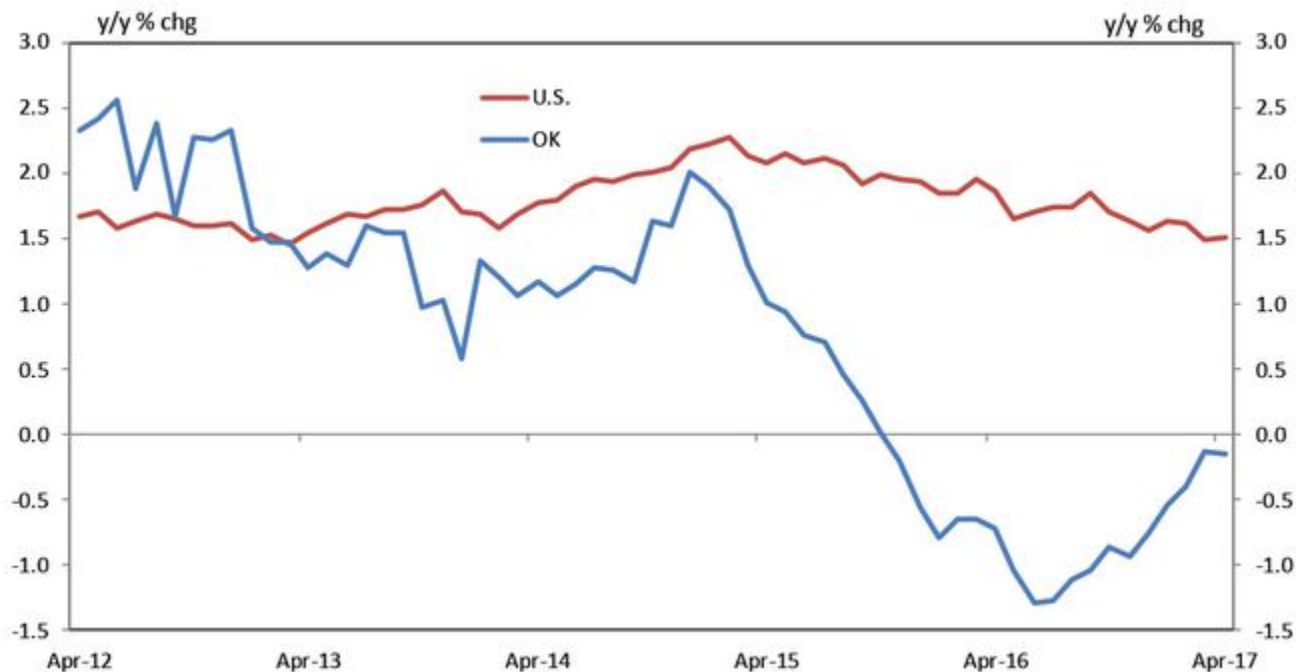
Chart 2. Average Hourly Earnings, sa



Source: BLS

The recent stronger growth of wages in the state has occurred even as overall job growth has continued to lag the nation (Chart 3).

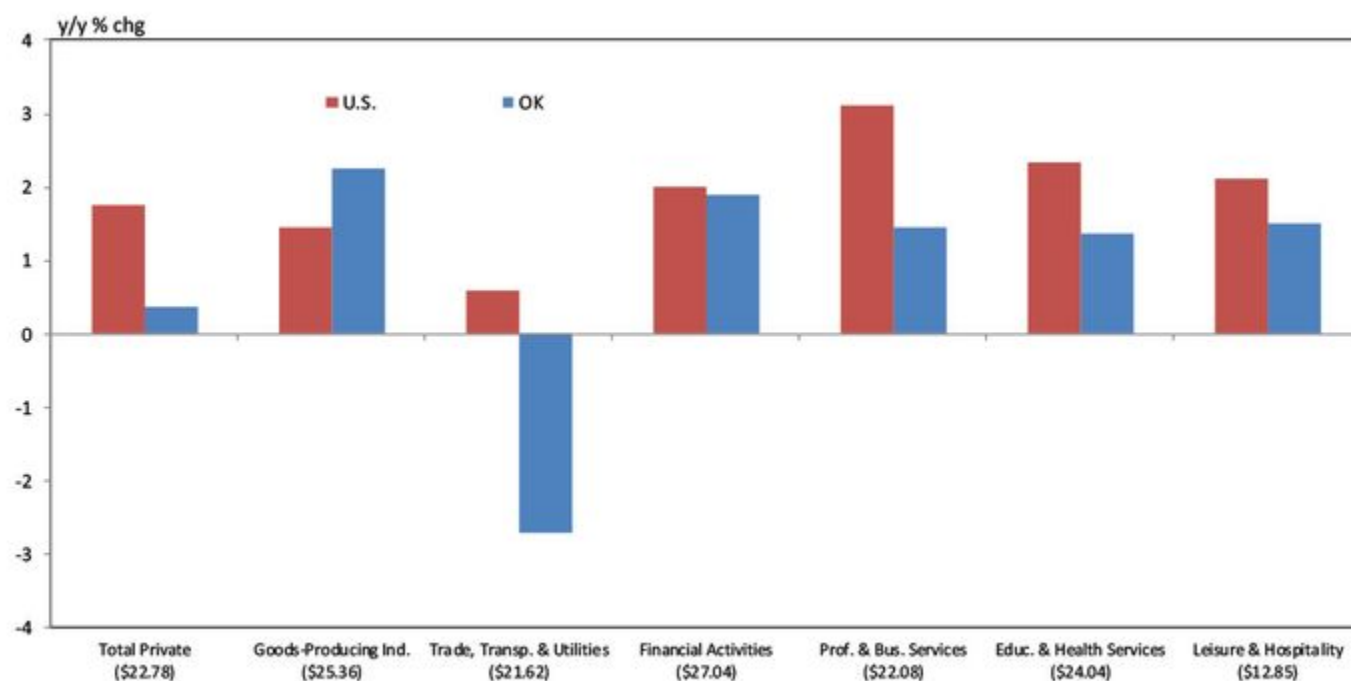
Chart 3. Nonfarm Payroll Employment



Source: BLS

Oklahoma industries that have added jobs over the past year, however, are among the highest-paying sectors—including goods-producing industries such as energy and manufacturing, as well as services industries like finance and health care (Chart 4).

**Chart 4. Oklahoma Employment Growth by Industry, April 2017**



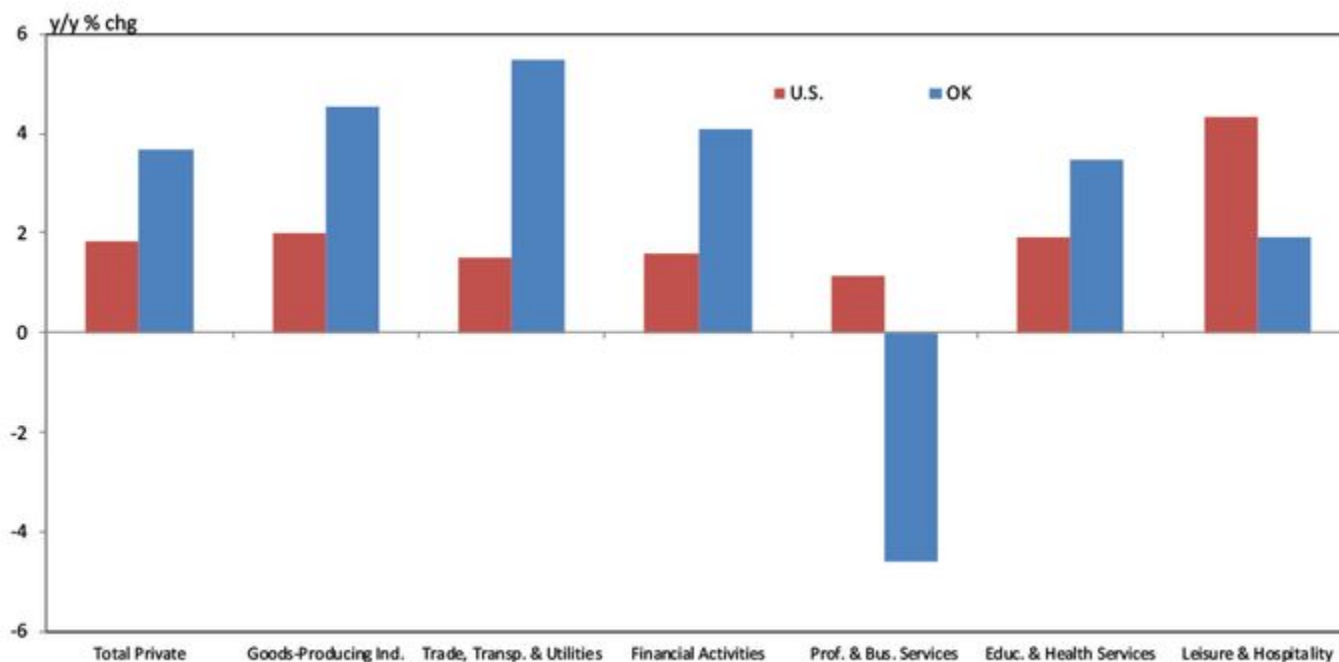
Note: Oklahoma average hourly earnings in parenthesis

Source: BLS

At the same time, the lowest-paying industries, including trade, transportation and utilities (the biggest component of which is retail trade), as well as leisure and hospitality, have shed jobs even as those sectors have continued to grow nationally. Thus the pure mix of jobs in Oklahoma's economy recently has shifted to a more higher-paying one.

In addition to faster job growth in Oklahoma's higher-paying industries, wages within some of those industries also have grown faster than in the same industry nationwide. Wages likewise are growing at a solid pace in most other industries in the state—both high- and low-paying. In particular, wage growth in goods-producing industries and financial activities, along with trade, transportation and utilities, has outpaced national wage growth this year (Chart 5).

Chart 5. Average Hourly Wage Growth by Industry, April 2017

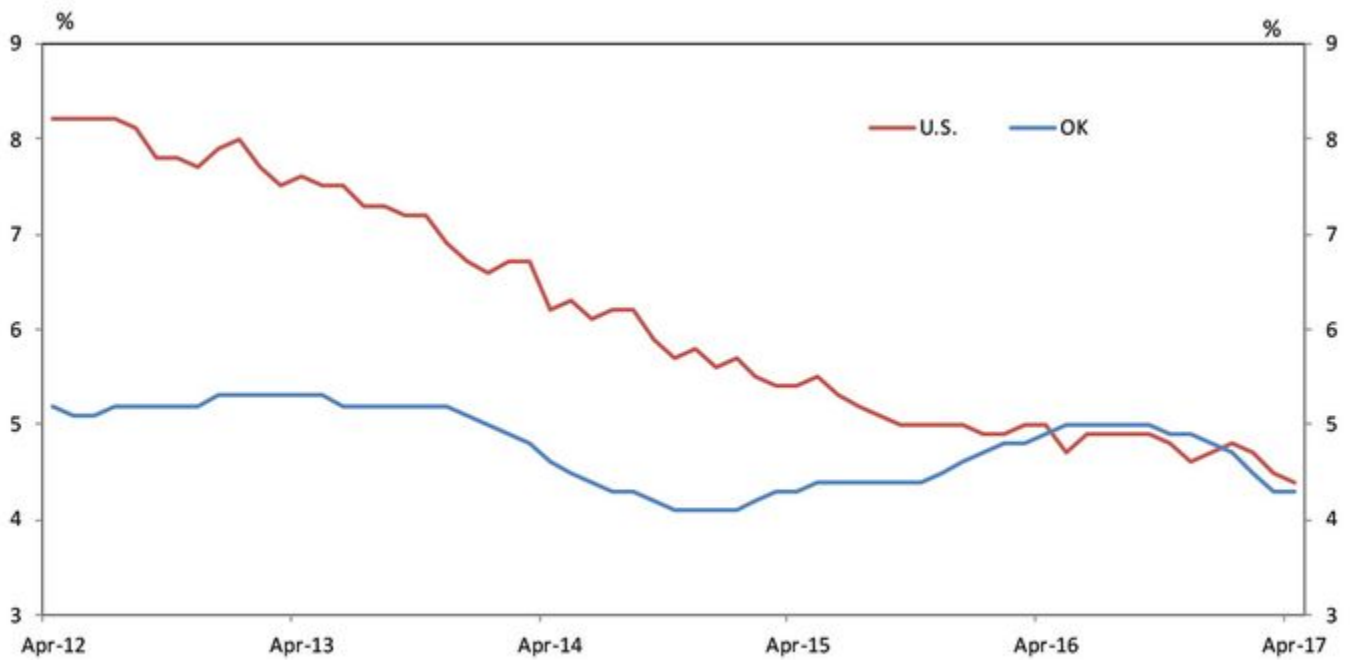


Source: BLS

Moreover, wage growth in education and health services as well as in leisure and hospitality has only slightly lagged wage growth nationally.

A potential reason for this relatively broad strong growth in Oklahoma is that firms in general are having a harder time finding workers in Oklahoma and are having to increase pay to attract or retain workers. This is consistent with recent trends in unemployment rates. The unemployment rate in Oklahoma has slipped below the national rate after rising slightly above it for most of 2016, so the decline in joblessness in the state has been bigger than in the nation in 2017 (Chart 6).

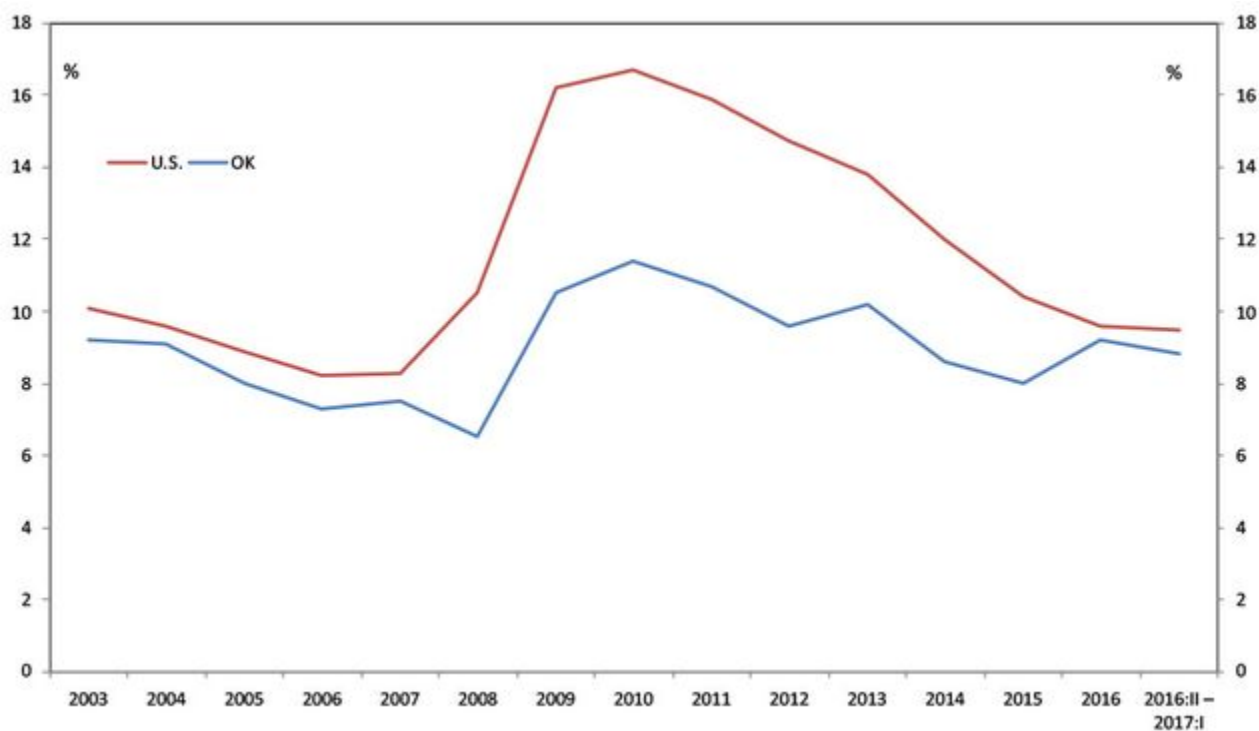
**Chart 6. Official Unemployment Rates (U-3)\***



\*Unemployed workers actively looking for work within the past four weeks  
Source: BLS

An alternative, broader measure of unemployment in the state, which accounts for people who have stopped looking for work or are working part time but desire full-time work, also has remained lower in Oklahoma than in the nation (Chart 7).

**Chart 7. Alternative Measure of Unemployment (U-6)\***



\*Unemployed workers, including discouraged workers, marginally attached workers and those employed part-time for economic reasons Source: BLS

As such, the pool of available workers appears to be smaller in the state, thus potentially providing more upward pressure on wages.

In sum, the recent faster growth in Oklahoma wages appears to be driven by relatively stronger growth in higher-paying jobs, along with a bigger drop in unemployment compared with the country as a whole. This has begun to once again reduce the gap in average wages between the state and nation, although a large gap remains.





### Chad Wilkerson

#### Senior Vice President and Oklahoma City Branch Executive

Chad Wilkerson serves as Oklahoma City Branch Executive and Senior Vice President of Community Development for the Federal Reserve Bank of Kansas City. Wilkerson has been with the Federal Reserve since 1998, starting in Kansas City's research department. Appointed in 2006 as Oklahoma City Branch Executive, Wilkerson is the Bank's lead officer and regional economist in Oklahoma. He recruits and works closely with the Oklahoma City Branch Board of Directors and is responsible for briefing the Kansas City Fed president, a member of the Federal Open Market Committee, on economic trends in the state. His team conducts research and surveys on key regional issues such as energy, manufacturing and migration. Wilkerson was appointed Senior Vice President in 2022, and supports a Community Development team located across the Kansas City Fed's seven-state region. This group works to understand and address issues affecting the ability of underserved communities and small businesses to access credit. Community development focus areas include financial resiliency, affordable housing, community investments, workforce development, rural development and digital inclusion. Wilkerson holds a master's degree in public policy from the University of Chicago, as well as a master's degree from Southwestern Seminary and bachelor's degree from William Jewell College. He serves on the boards of the Economic Club of Oklahoma, the United Way of Central Oklahoma and City Rescue Mission. He lives in Edmond, Oklahoma, with his wife and children.

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