

# Driverless Vehicles & The Future of Work

How can we mitigate the potential for widespread job loss?

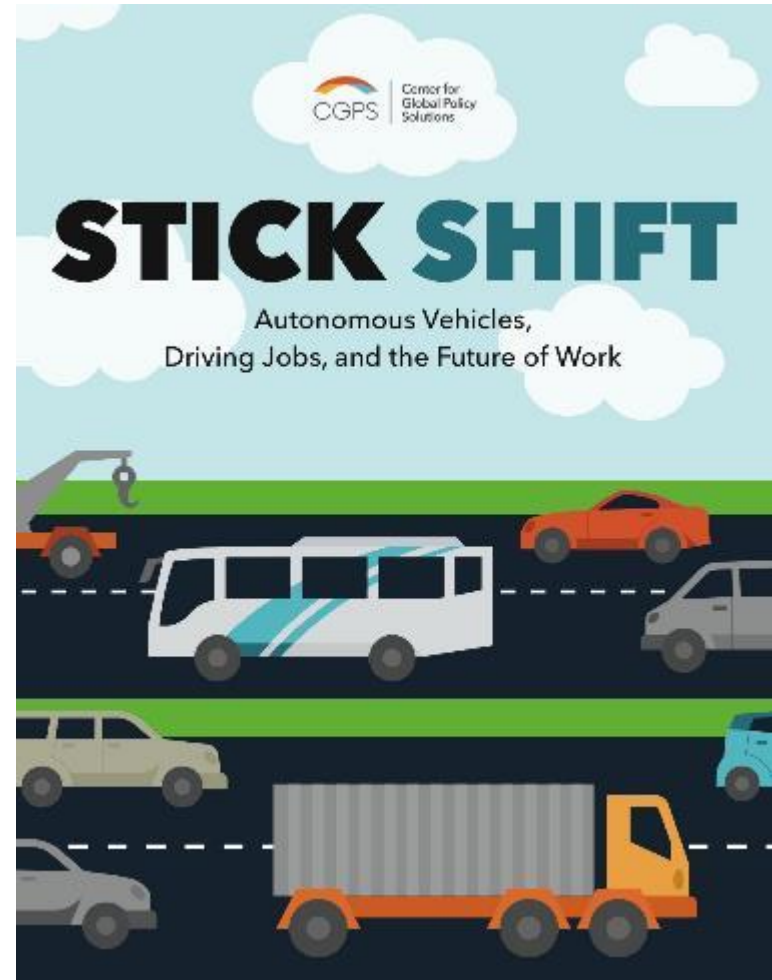
# Center for Global Policy Solutions

## Driving society toward inclusion

- Think tank and action organization that labors in pursuit of a vibrant, diverse, and inclusive world in which everyone has the opportunity to thrive in safe and sustainable environments.
- We advance health, wealth, educational, and civic success for diverse populations.
- Our work is centered in the belief that diversity is not a problem, but the basis of prosperity.

**Recently released!**

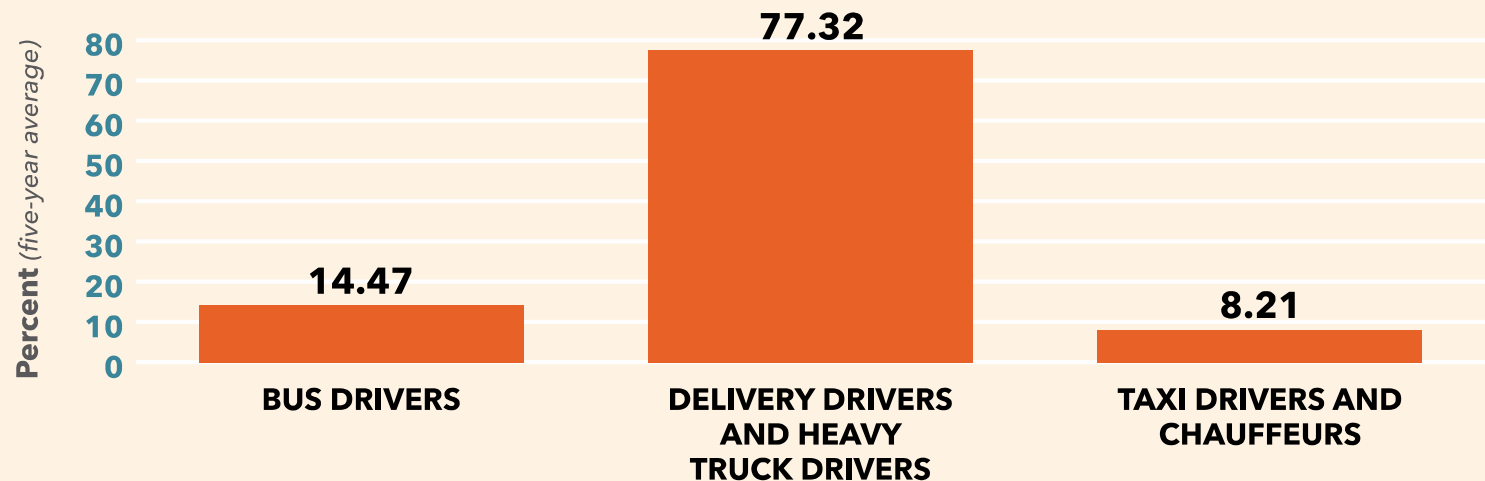
[bit.ly/StickShiftReport](http://bit.ly/StickShiftReport)



# Majority of jobs are in delivery and truck driving

## **FIGURE A.**

### **Percent of Workers in Driving Occupations by Occupation, 2010-2014**



Source: Authors' analysis of American Community Survey data from IPUMS-USA, University of Minnesota, [www.ipums.org](http://www.ipums.org).

# Stick Shift:

Autonomous Vehicles, Driving Jobs,  
and the Future of Work

## Men Will Get Hit the Hardest by Driverless Vehicles

**3.6 Million...**



... men would lose their jobs

**500,000...**



... women would lose their jobs

**95%**

**of truck drivers  
are men**



Truck drivers are paid \$34,000/year

vs.

Bus drivers: \$22,000/year

vs.

Cab drivers: \$21,000/year

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## Vast Majority of Drivers Have Less Than a College Degree

### Educational Level of Professional Drivers



VS.

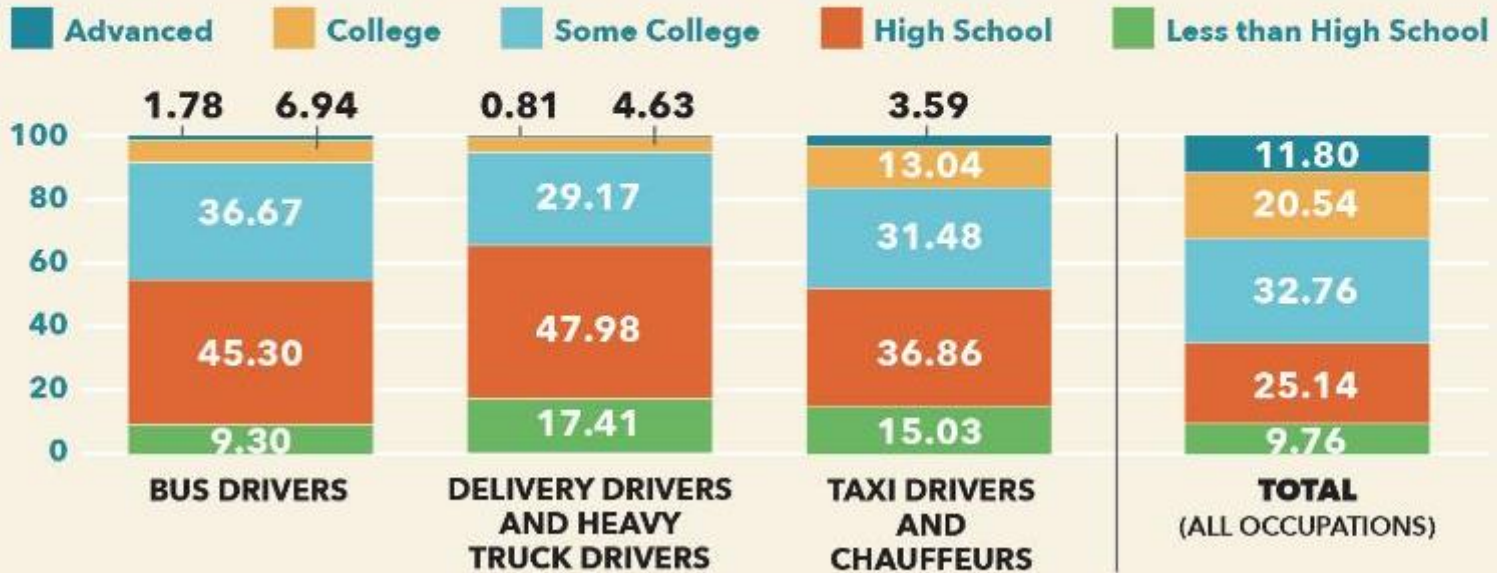
### Educational Levels of Non-Driving Professionals



# Driving Jobs are Well-Paying Blue-Collar Jobs

**FIGURE L.**

## Distribution of Workers by Educational Attainment and Occupation

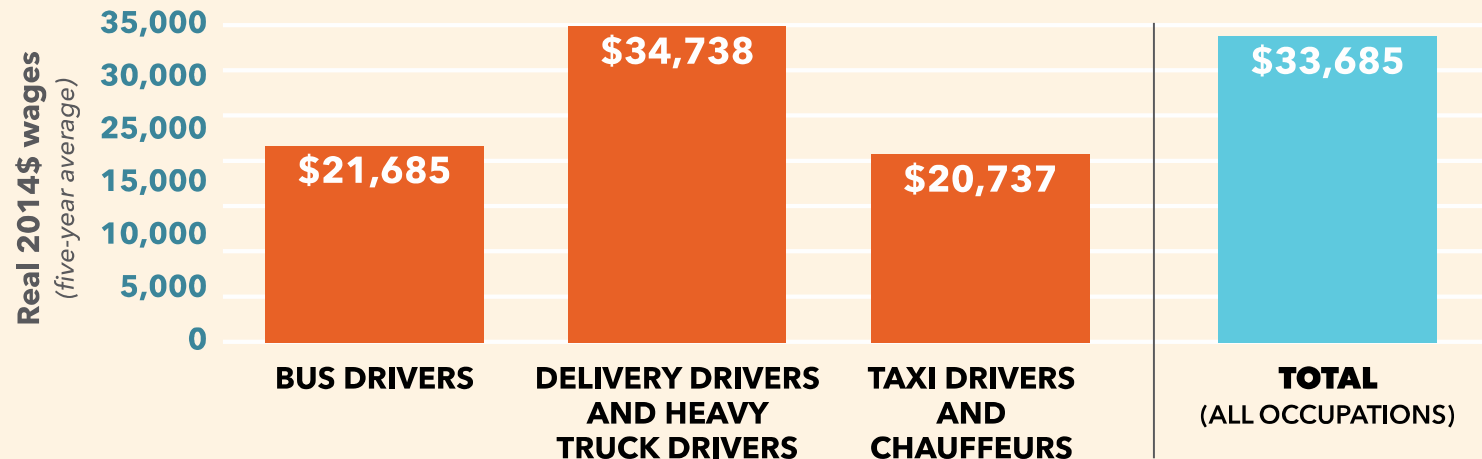


Source: Authors' analysis of American Community Survey data from IPUMS-USA, University of Minnesota, [www.ipums.org](http://www.ipums.org).

# Delivery and truck drivers have highest pay

**FIGURE B.**

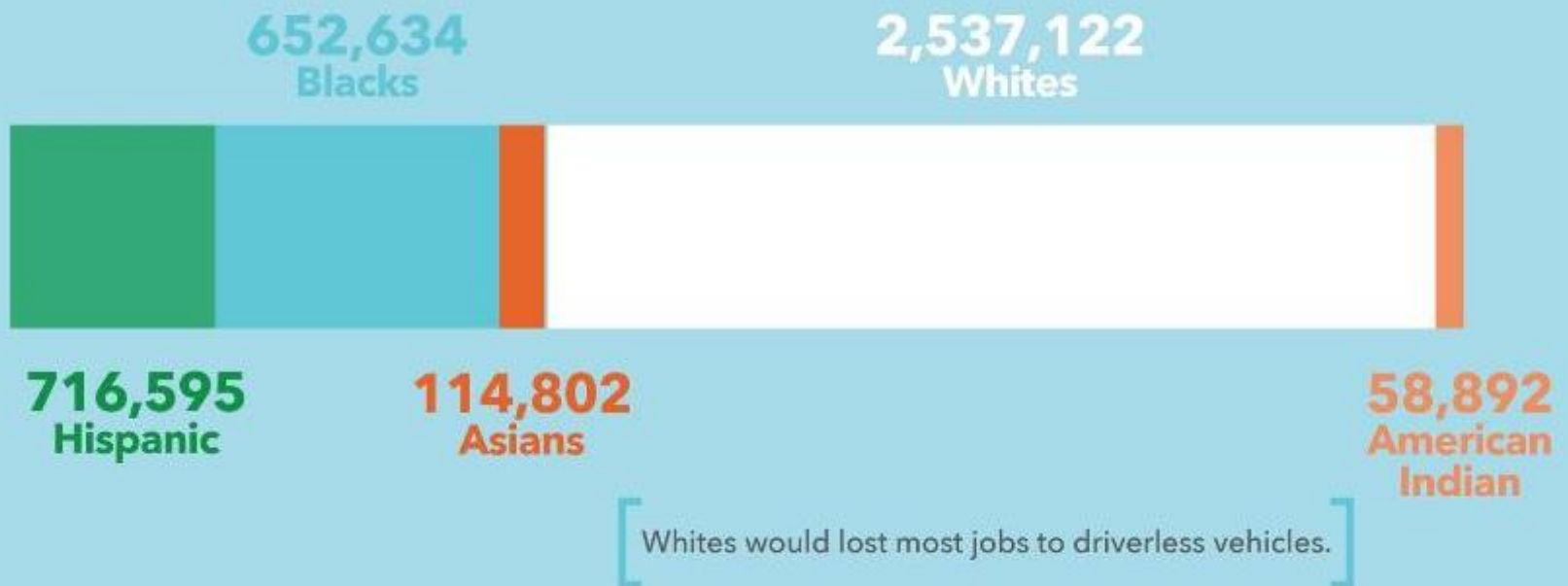
## Median Annual Wages for Driving Occupations, 2010-2014



Source: Authors' analysis of American Community Survey data from IPUMS-USA, University of Minnesota, [www.ipums.org](http://www.ipums.org).



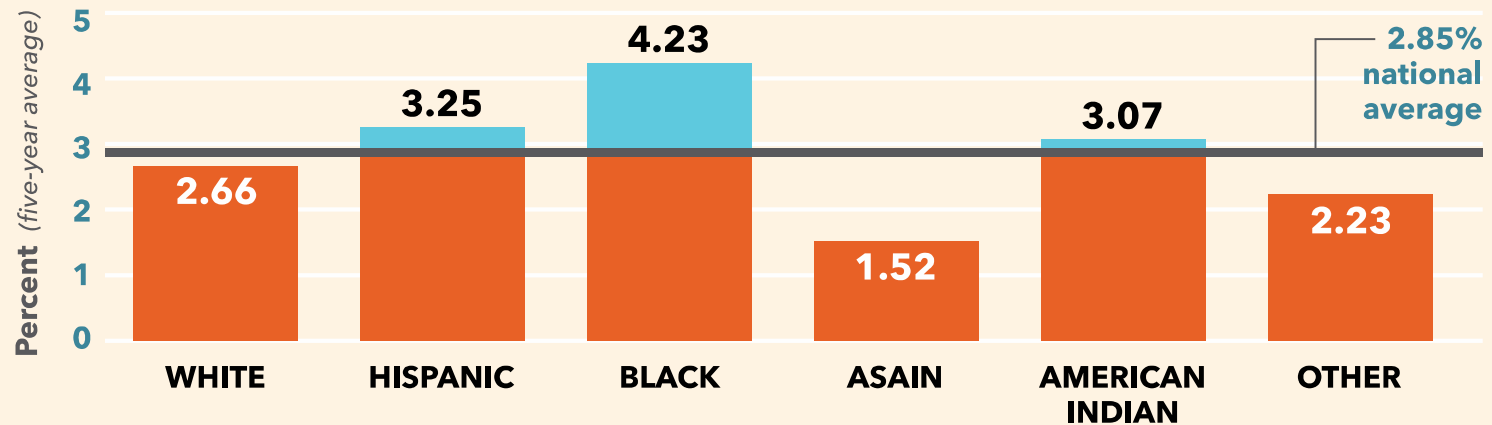
# Driving Jobs by Race and Ethnicity



# Blacks and Hispanics rely more on driving jobs

**FIGURE E.**

## Percent of Workers in Driving Occupations by Race and Hispanic Ethnicity, 2010-2014



Source: Authors' analysis of American Community Survey data from IPUMS-USA, University of Minnesota, [www.ipums.org](http://www.ipums.org).

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## People of color would be most impacted by driverless vehicles

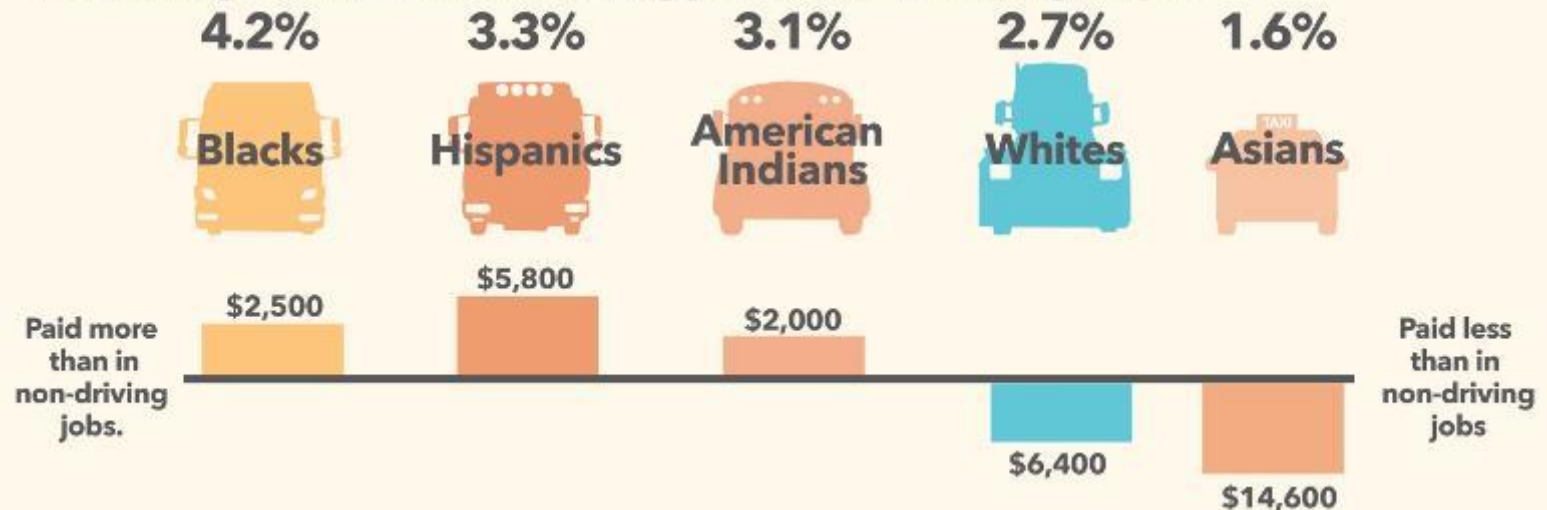
Share of US workers in driving occupations

2.9%

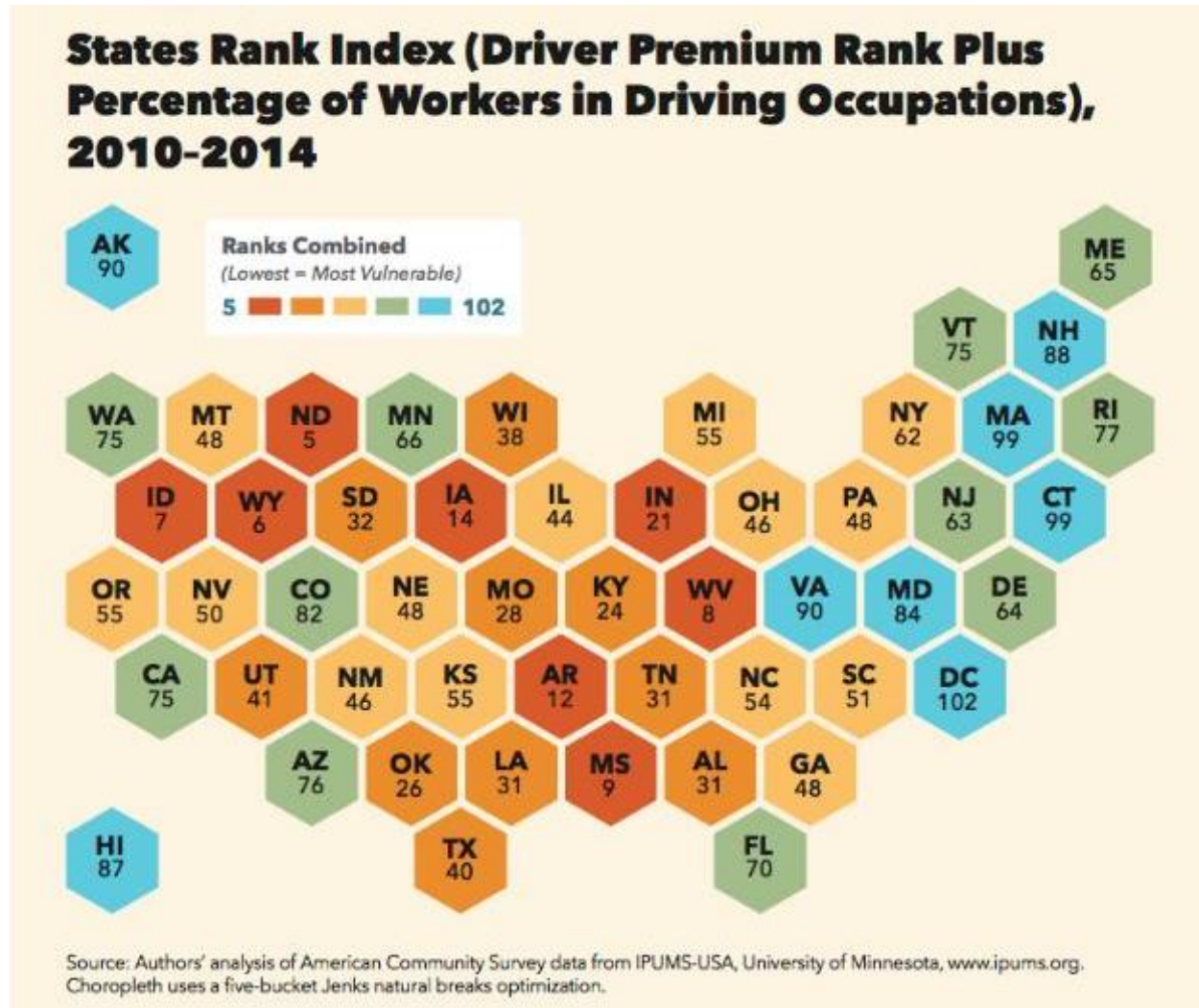
More people of color are in driving jobs than the national average.

Blacks, Hispanics, and American Indians earn more in driving jobs than in other occupations.

### Percentage of workers in driving jobs in each racial group...



# States Hardest Hit by Driverless Vehicles

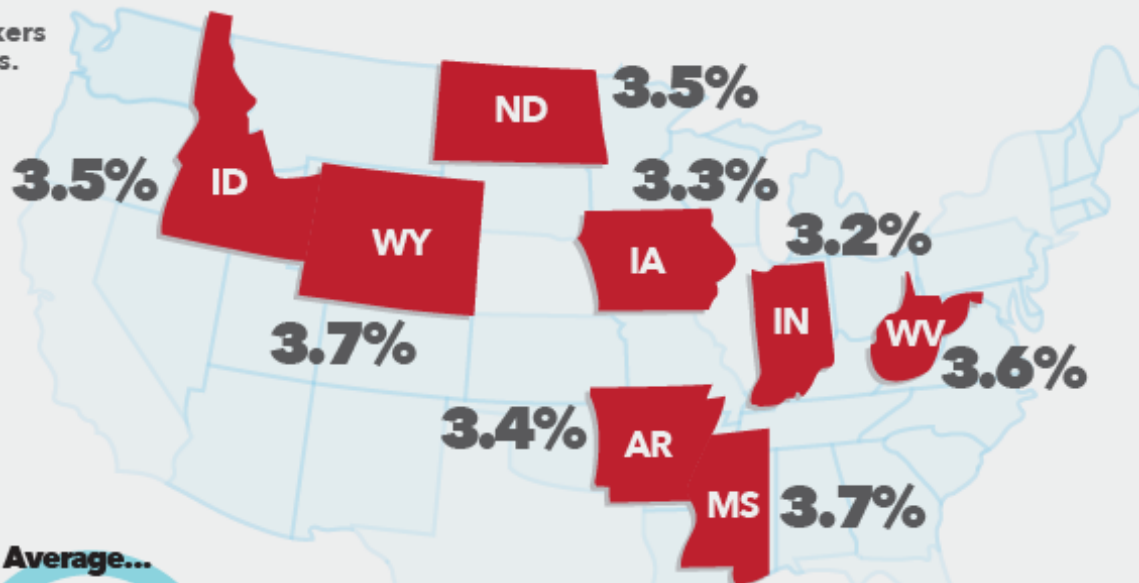


# Stick Shift:

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## States Worst Hit by Driverless Vehicles

Share of workers in driving jobs.



National Average...

**2.9%**

of all U.S. workers are in driving occupations

Drivers in these states are paid \$1,000/year more than in other jobs.

More workers in these states have driving jobs than the national average.

# Preparing for Employment Disruptions

- Unemployment insurance reform and retraining
- Apprenticeship programs
- Unions
- Affordable higher education
- Progressive universal basic income
- Entrepreneurship programs and incentives
- Full employment policy



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