

# The State of the Commonwealth

Robert M. McNab

Dragas Center for Economic Analysis and Policy
Strome College of Business
Old Dominion University





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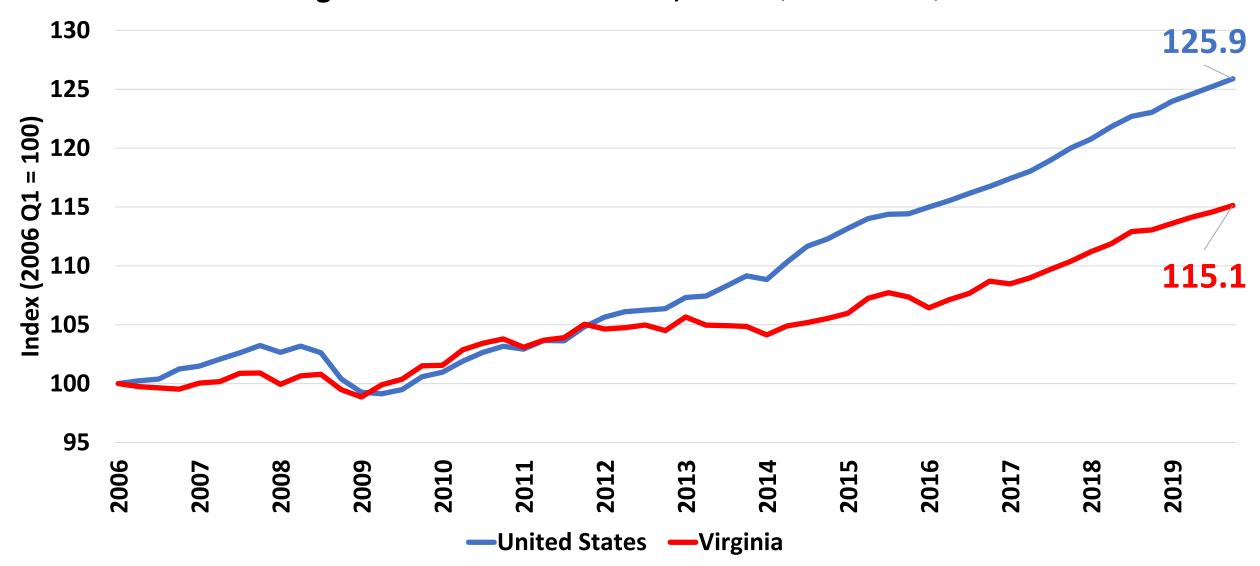


# The Expansion Continues

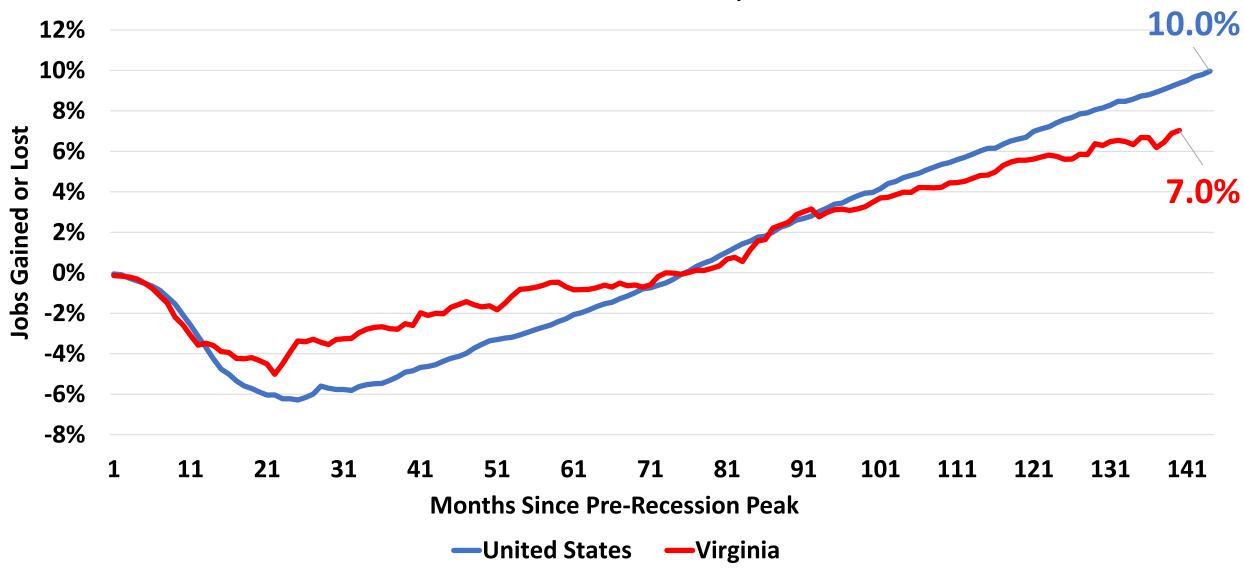
#### **Current and Historical Economic Expansions**

Expansion	<u>Duration</u> <u>In Months</u>	Annual Employment Growth	Annual Real GDP Growth
October 1949 – July 1953	45	4.4%	6.9%
May 1954 – August 1957	39	2.5%	4.0%
April 1958 – April 1960	24	3.6%	5.5%
February 1961 – December 1969	106	3.3%	4.9%
November 1970 – November 1973	36	3.4%	5.1%
March 1975 – January 1980	58	3.6%	4.3%
December 1982 – July 1990	91	2.8%	4.0%
March 1991 – March 2001	120	2.0%	3.6%
November 2001 – December 2007	73	0.9%	2.9%
June 2009 – Present*	127	1.4%	2.3%

# Index of Real Gross Domestic Product Virginia and the United States, 2006 Q1 to 2019 Q4\*

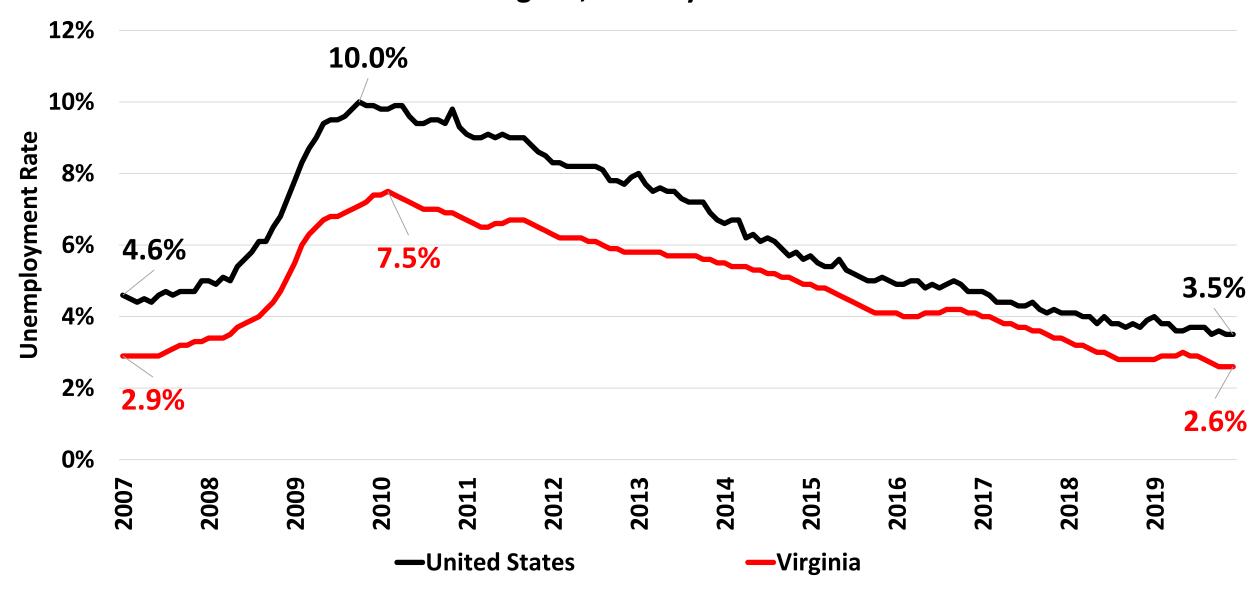


# Recovery from the Great Recession Measured in Total Jobs Restored, 2008 - 2020\*

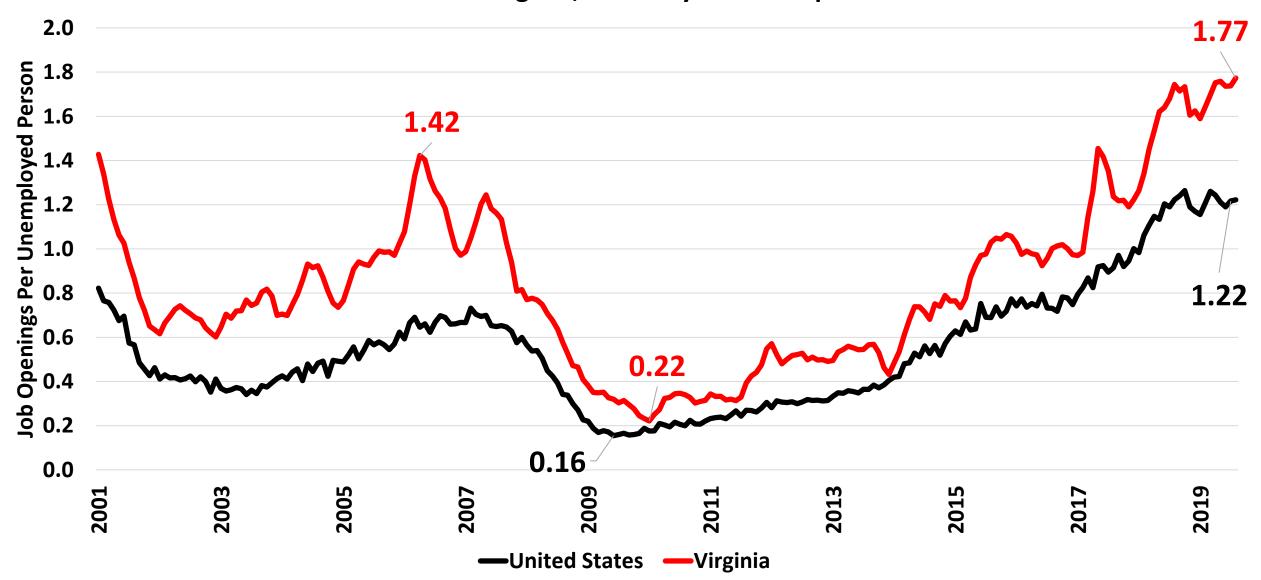


Sources: Bureau of Labor Statistics and Dragas Center for Economic Analysis and Policy. Peak Pre-Recession Dates are January 2008 (United States), and April 2008 (Virginia). \*Data through Dec 2019 (VA) and Jan 6 2020 (US). US data are preliminary the last two months. Virginia data are preliminary for the last month. Seasonally adjusted data.

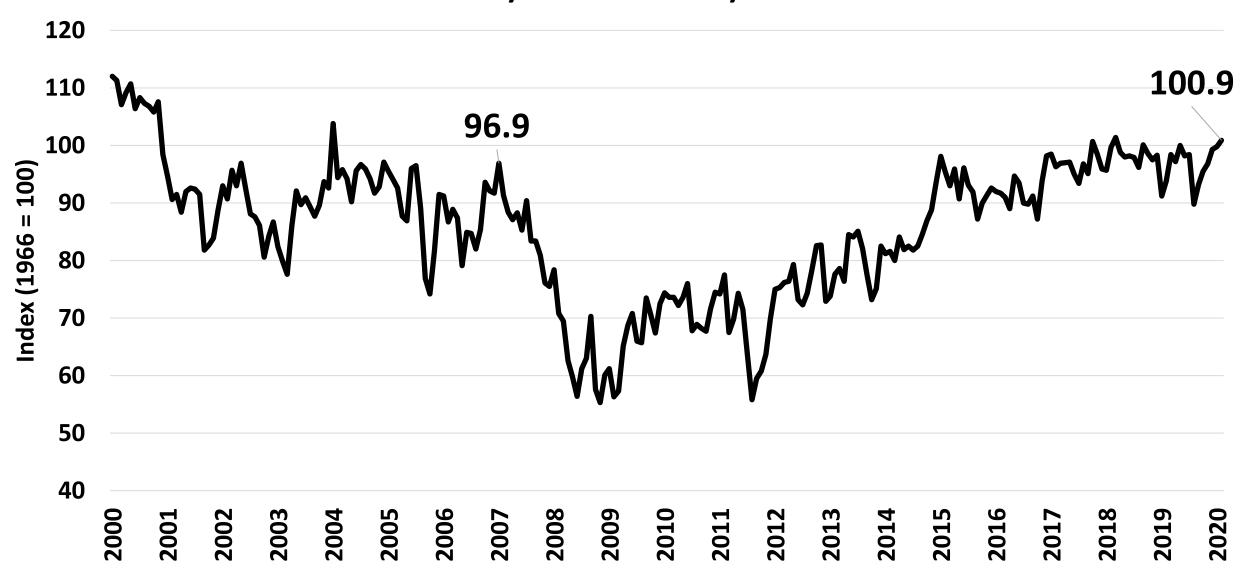
Unemployment Rate (U3)
United States and Virginia, January 2007 – December 2019



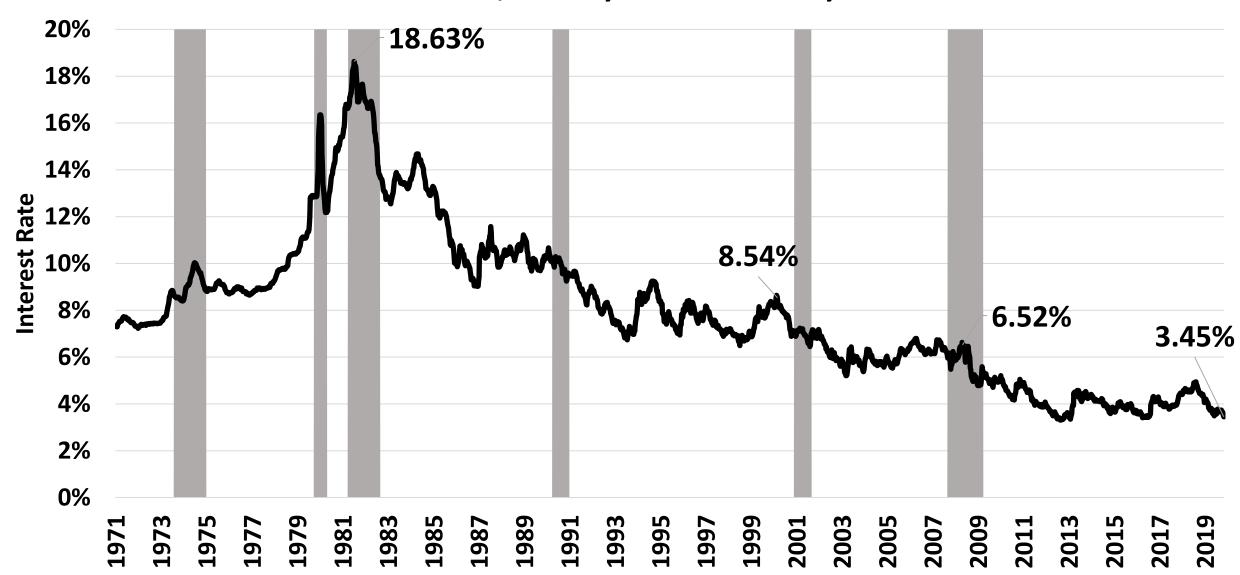
#### Job Openings Per Unemployed Person United States and Virginia, February 2001 – September 2019



#### University of Michigan, Consumer Sentiment January 2000 – February 2020

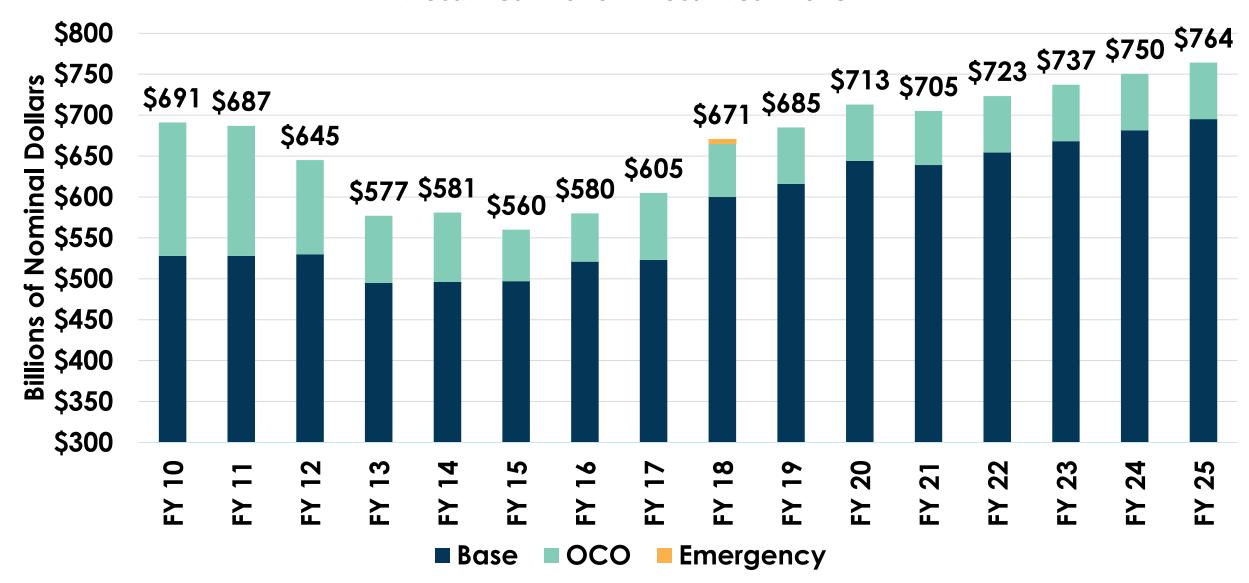


# Thirty Year Fixed Rate Conventional Mortgage United States, January 1972 – February 2020

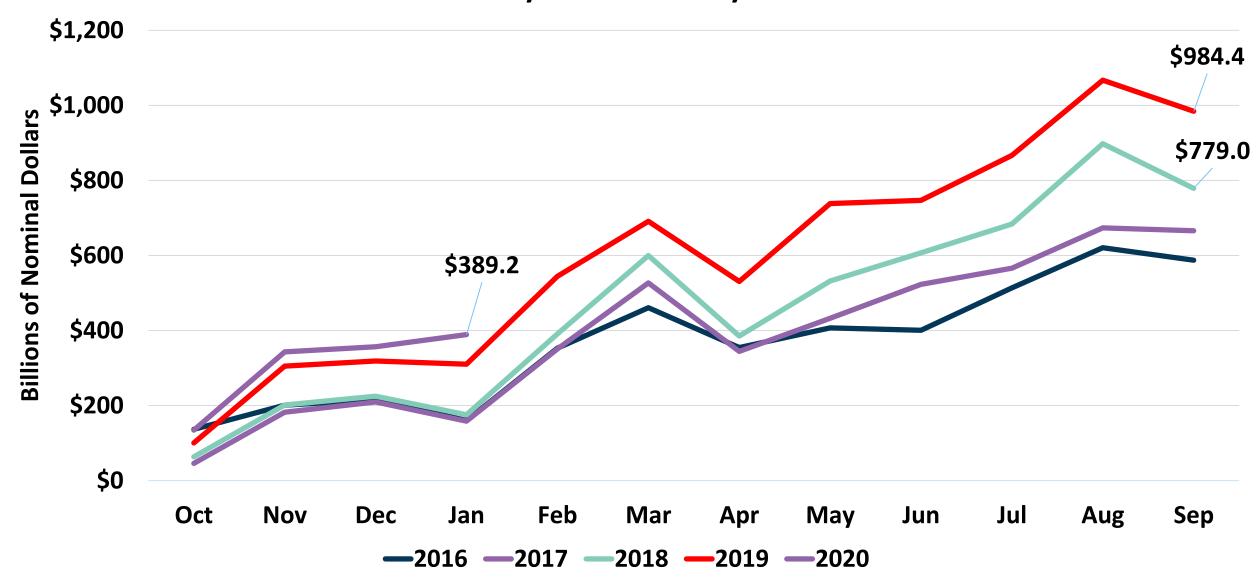


- The Coronavirus has the potential to dramatically impact economic growth.
- Scenario: We are past peak infection
  - Infection rates in China continue to slow, mortality does not increase.
  - As factories and businesses reopen, new infections do not spike.
  - The virus spreads globally but awareness and prevention prevent a pandemic from emerging
  - Supply chain disruptions taper and disappear by April.
- Scenario: A pandemic emerges
  - Infections in China rise when factories reopen
  - The lack of capacity, capability, and preparedness lead to new clusters in Europe and Asia
  - Political paralysis in the United States leads to confusing messaging
  - Anti-vaccine communities and disinformation contributes to a lack of response
  - Supply chain disruptions multiply, consumer confidence collapses
- Perspective
  - Over 140,000 people have been hospitalized for the seasonal flu in the United States
  - At least 16,000 people have died in the United States from the seasonal flu
  - Right now, your risk from the flu is much more significant than the Coronavirus
  - Availability bias and recency bias, however, cloud our reasoning

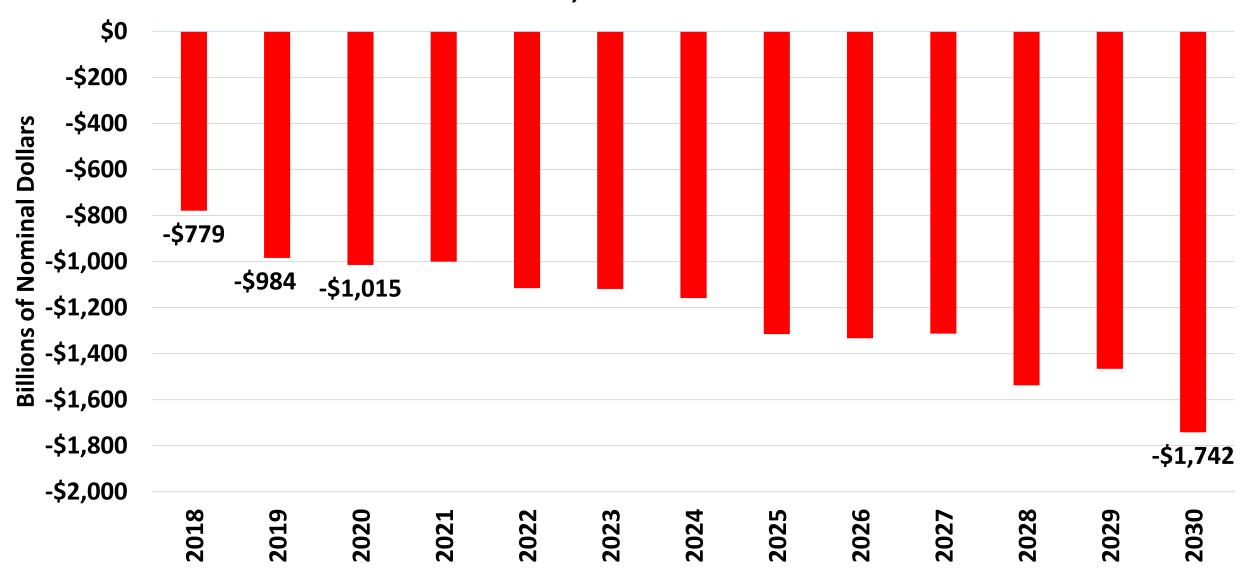
#### Department of Defense Discretionary Budget Authority Fiscal Year 2010 – Fiscal Year 2025



# Cumulative U.S. Federal Government Deficit by Month January 2016 – January 2020



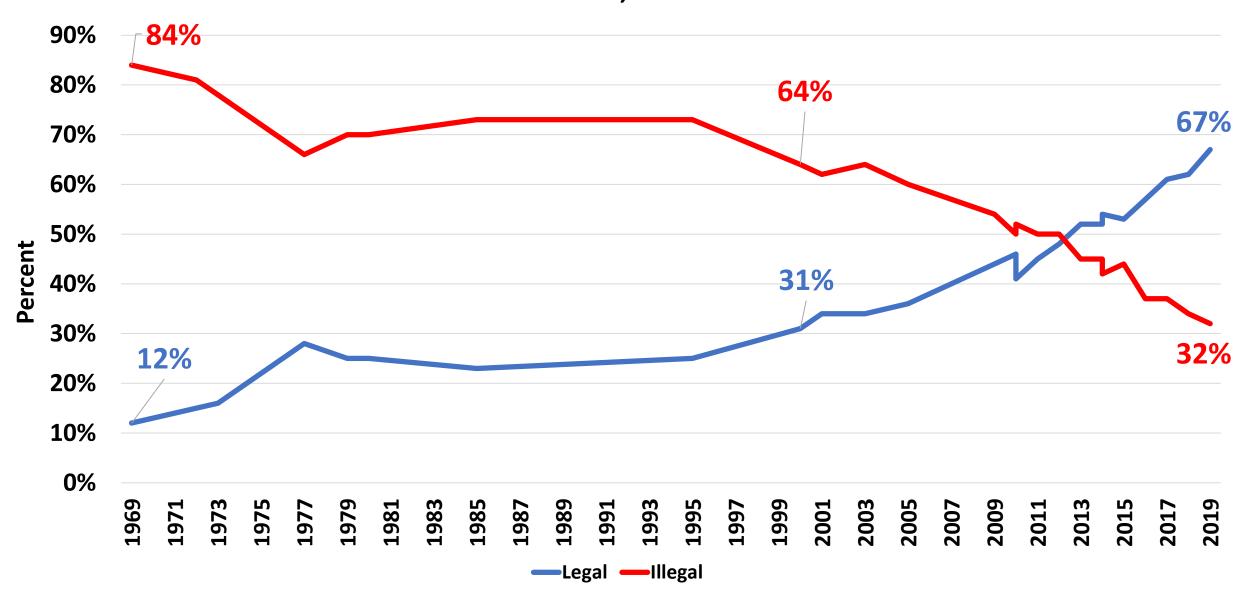
#### Actual and Projected Federal Deficit United States, FY 2018 - FY 2030\*



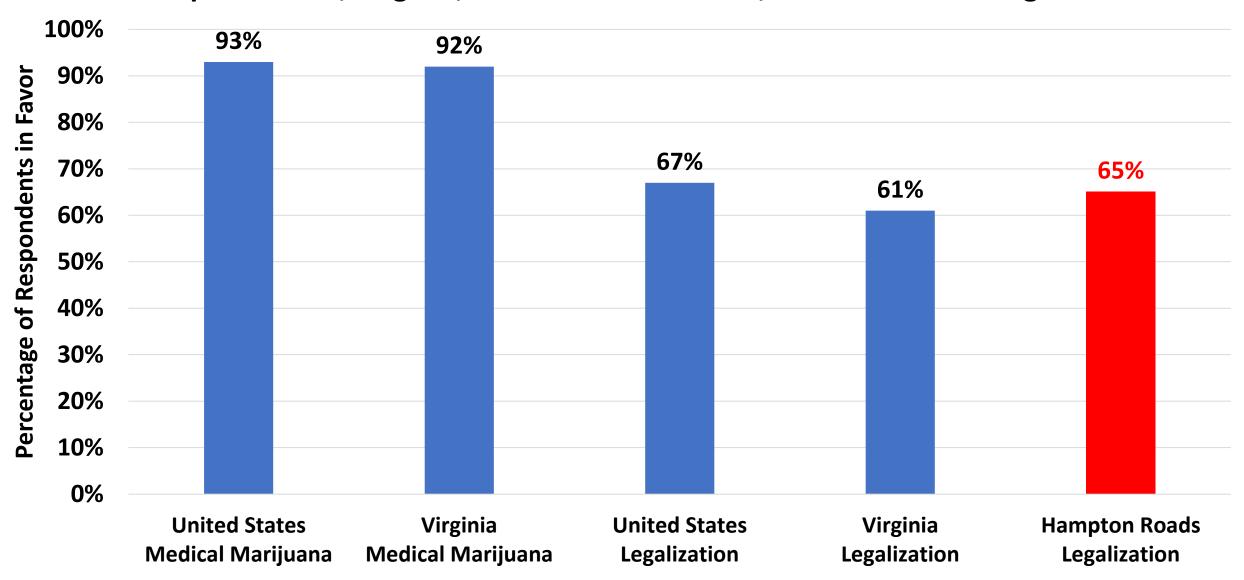


Hemp, Marijuana, or CBD?

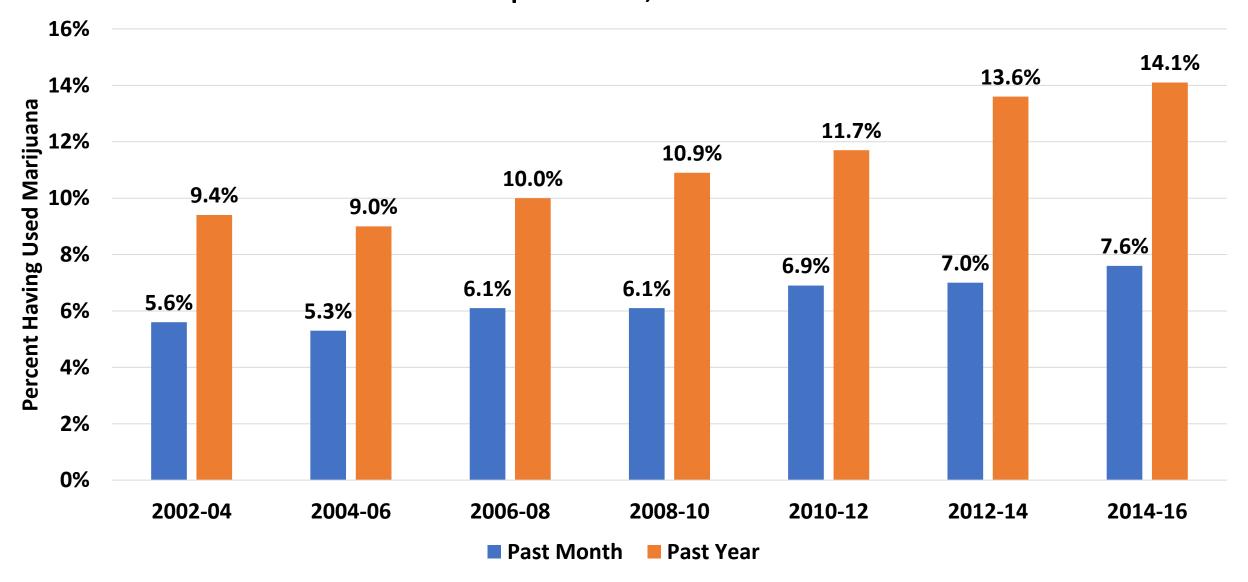
# Pew Research Poll on Legalizing Marijuana United States, 1969 – 2019



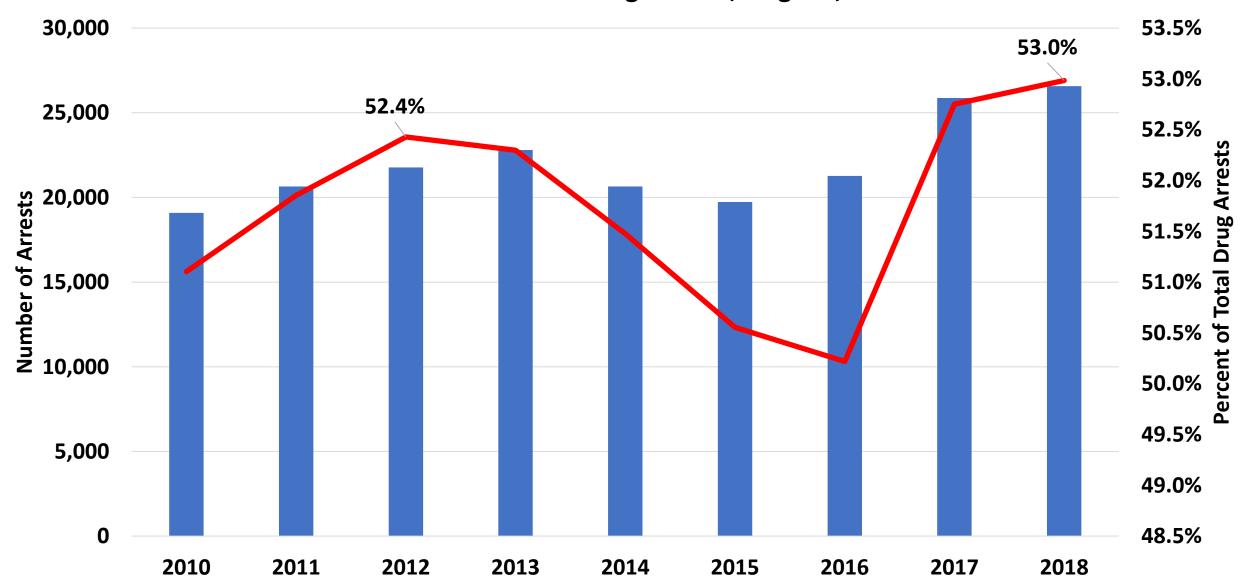
# Public Opinion Polling on Marijuana Hampton Roads, Virginia, and the United States, Most Recent Polling Data



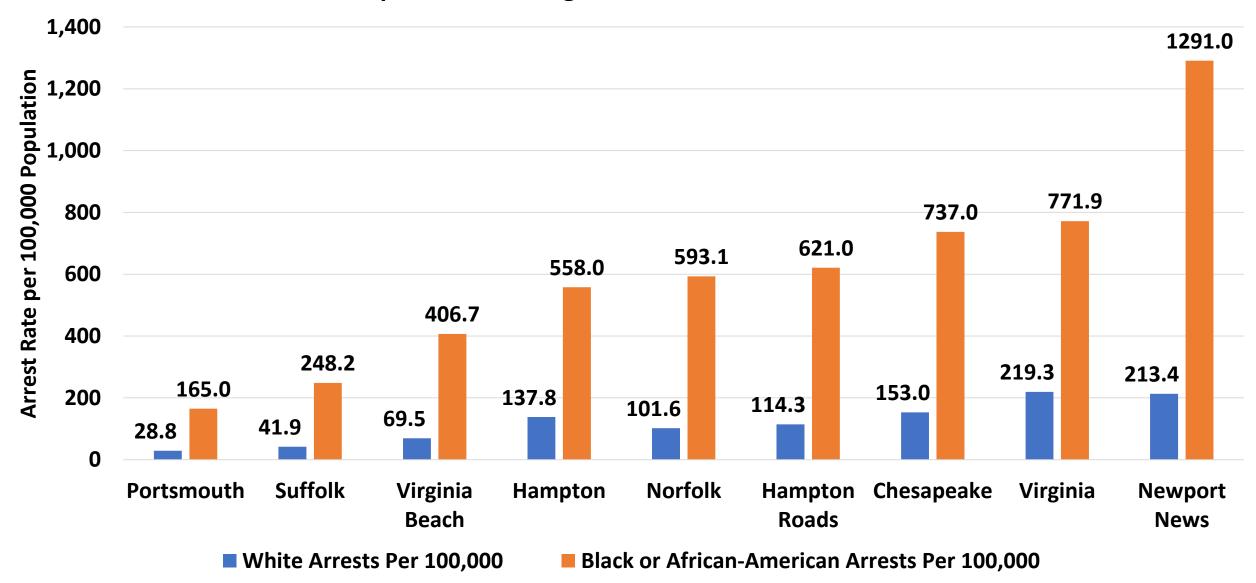
#### Usage of Marijuana in Previous Year and Previous Month, Ages 18 or Older Hampton Roads, 2002-2016



#### Arrests for Marijuana Possession or Concealment Totals and Percent of All of Drug Arrests, Virginia, 2010 - 2018



#### Arrests for Marijuana Possession or Concealment per 100,000 Population Hampton Roads, Virginia, and Selected Cities, 2018



- Decriminalization occurs when a criminal offense becomes a civil offense
- Decriminalization reduces the financial penalty for marijuana possession but also removes the right to public counsel.
- With decriminalization, marijuana possession remains illegal and the sale remains a felony.
- Legalization allows the consumption and sale of recreational marijuana (1 ounce or less).
- Virginia appears poised to decriminalize the possession of 0.5 ounces of marijuana, punishable by a fine of \$50 dollars or 5 hours of community service.





#### Virginia Retirement System Plan 1

Handbook for Members





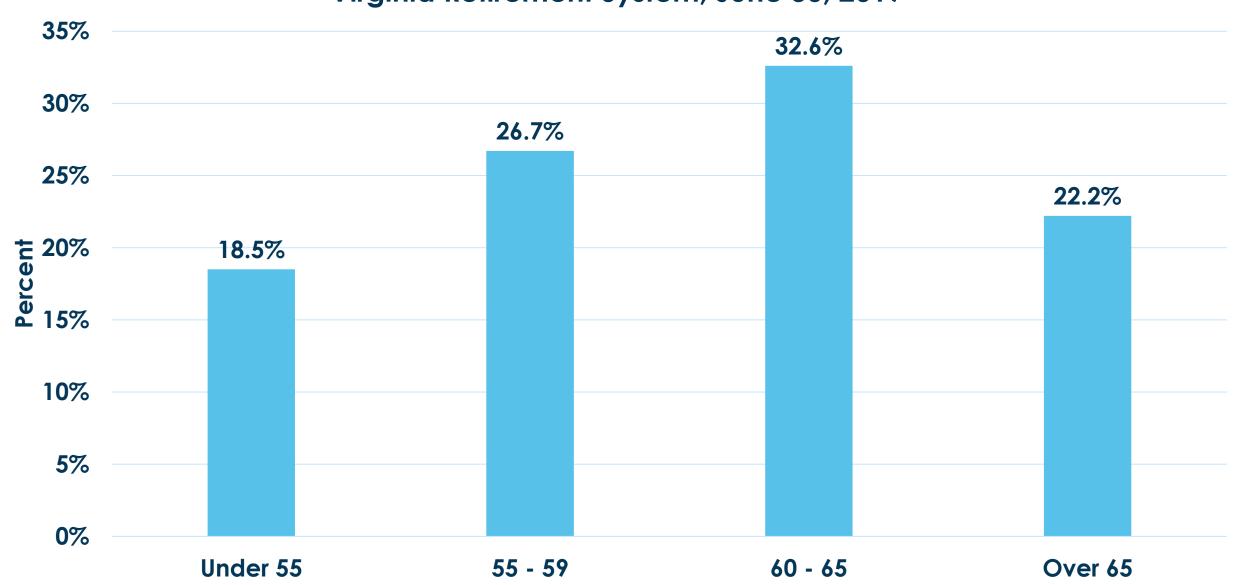




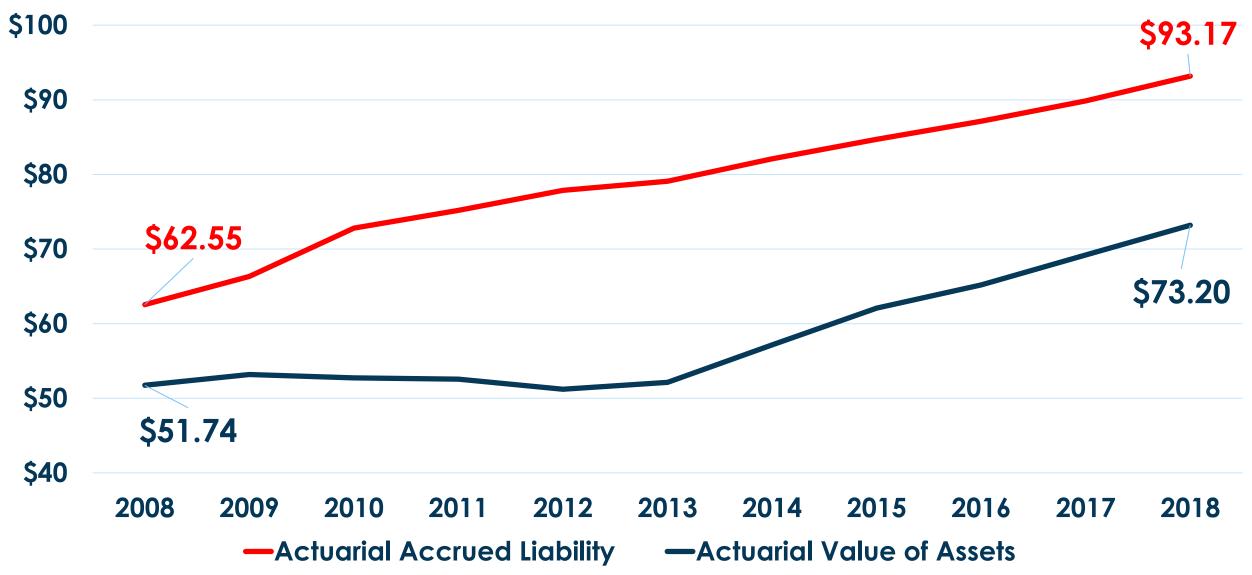
# The Virginia Retirement System

- The Virginia Retirement System (VRS) is the public pension system for state employees and local jurisdictions in Virginia.
- The VRS is an independent state agency. Contributions from members and governments are used to make investments that fund current and future retirees.
- 833 employees participate in VRS.
- As of June 30<sup>th</sup>, 2019, the VRS had 346,273 active members, 162,193 inactive members, and 214,545 retirees and beneficiaries.
- The VRS is the 19<sup>th</sup> largest pension system in the United States and 41<sup>st</sup> largest pension system in the world.
- The net position of the VRS (balance of resources available to pay benefits) reached a record \$82.8 billion at the end of FY 2019.

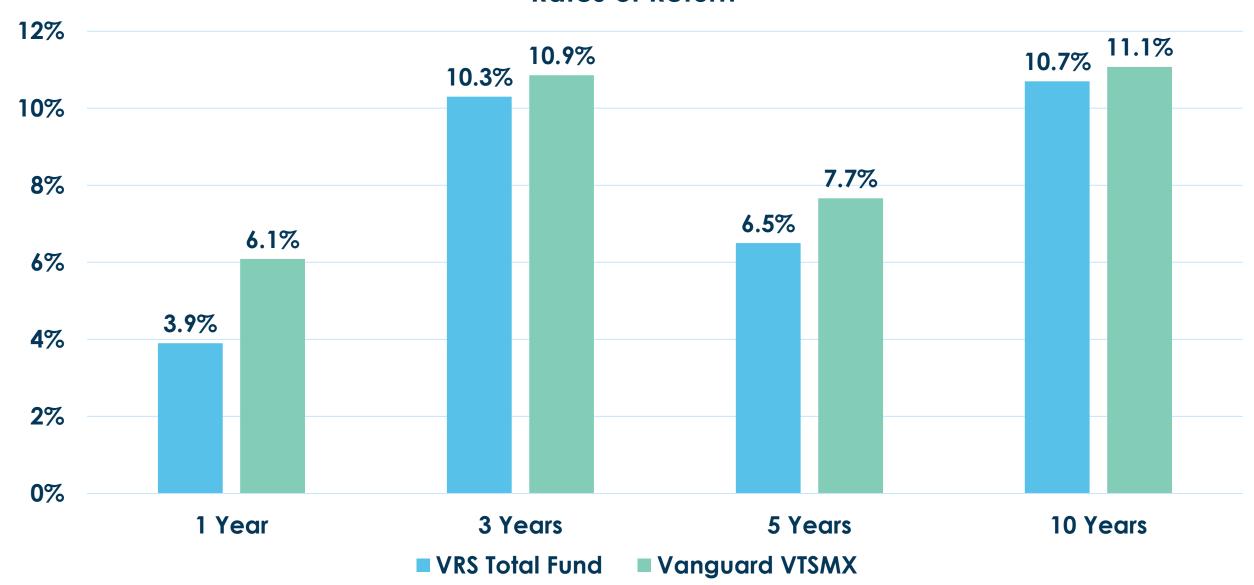
#### Retirees by Age of Retirement Virginia Retirement System, June 30, 2019



# Market Value of System Assets and Actuarial Accrued Liability Virginia Retirement System, FY 2008 – FY 2018



#### VRS Public Equity and Vanguard Total Stock Market Index Rates of Return



- The VRS is well-run and has improved its financial position.
- However, the VRS has 'left money on the table' by not indexing more of its public equity investments.
- VRS incurs significant management fees to actively manage its hedge fund and other investments.
- We estimate that the VRS could have earned an additional \$2 to \$3 billion over the past two decades by investing in index funds, at the same amount of risk.
- The recent recommendation to lower the VRS assumed rate of return to 6.75% is a step in the right direction but will require more than \$200 million more in contributions.
- The VRS should lower its rate of return to 6.5% or lower, but this will require even more resources from the state and local governments.



