

# Health Care

## Change on the Horizon?

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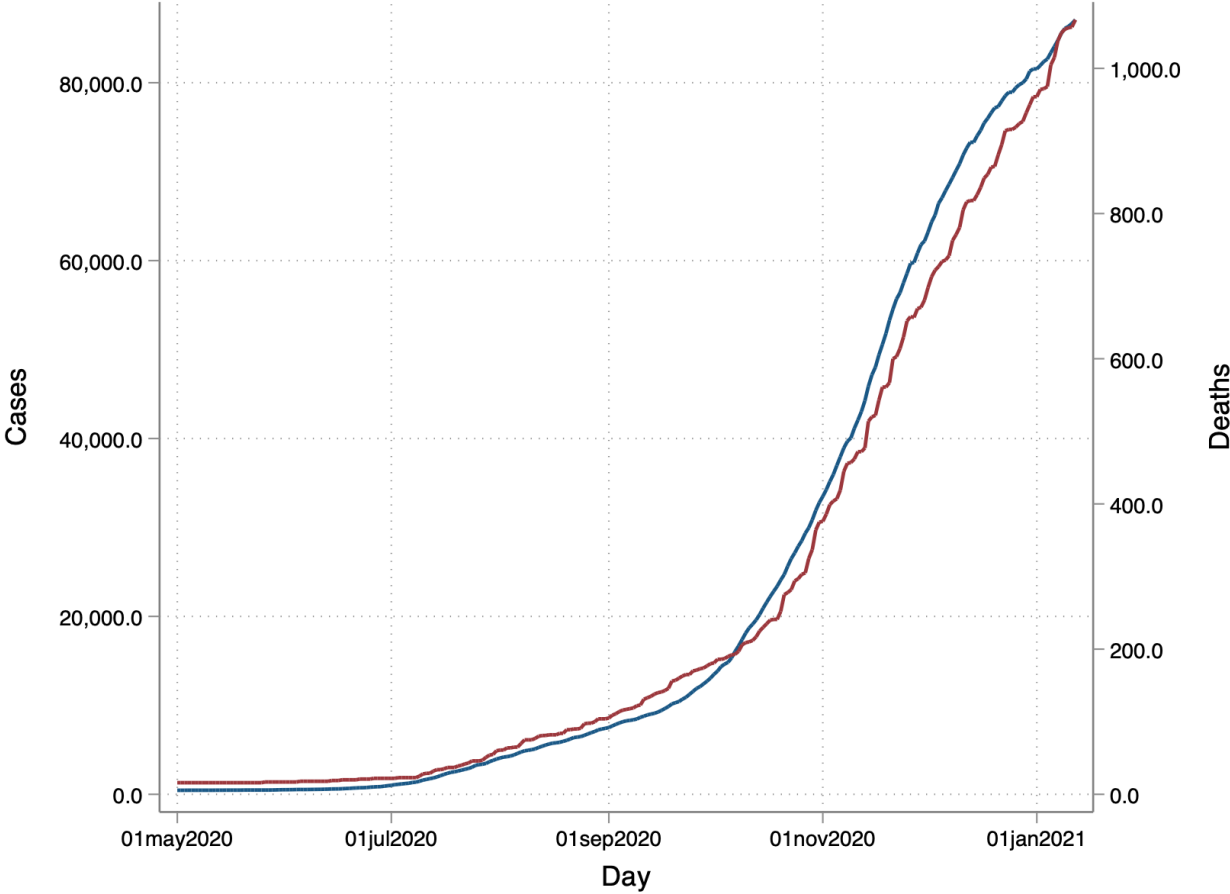
All data presented in this presentation is as of January 14, 2021



**BUREAU OF BUSINESS AND  
ECONOMIC RESEARCH**  
UNIVERSITY OF MONTANA

Health Care

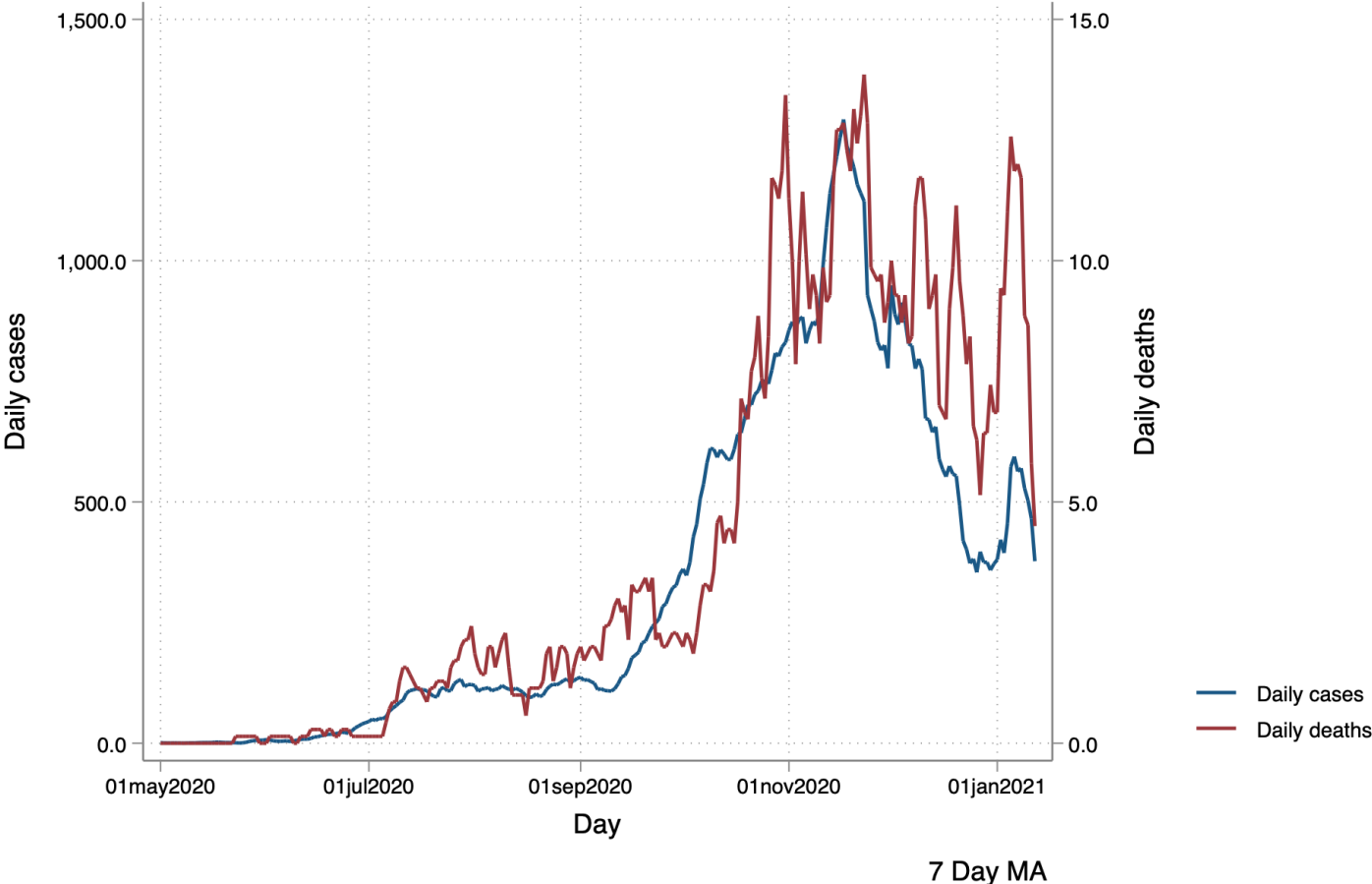
# Cumulative Covid cases and deaths in Montana



- US:
- 23.6 mil cases
  - 391,000 deaths
  - 14 mil recovered
  - 9.5 mil active
  - 225,000 cases/day
  - 3,200 deaths/day

(Source: The Covid Tracking Project)

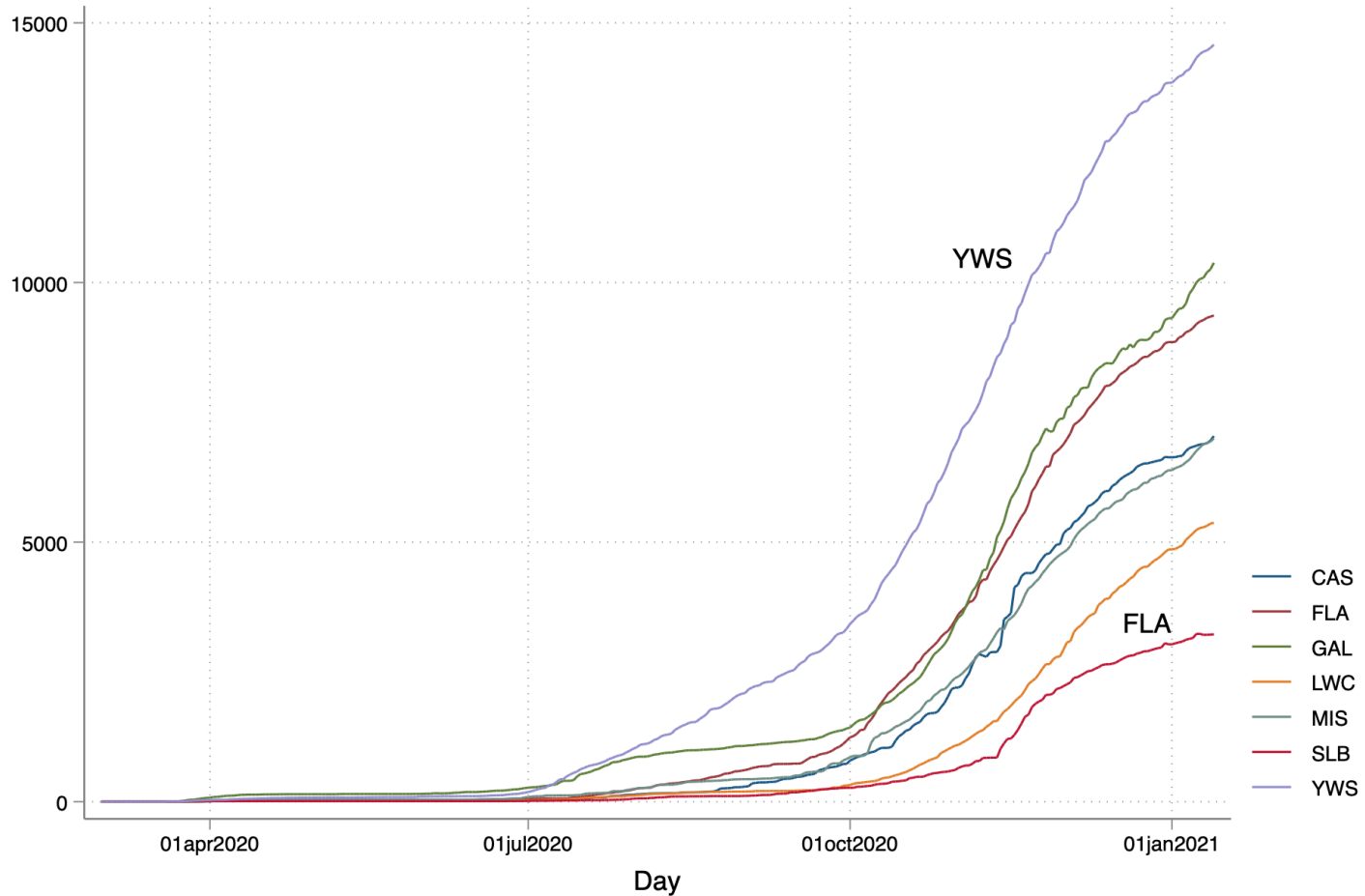
# Daily Covid cases and deaths in Montana



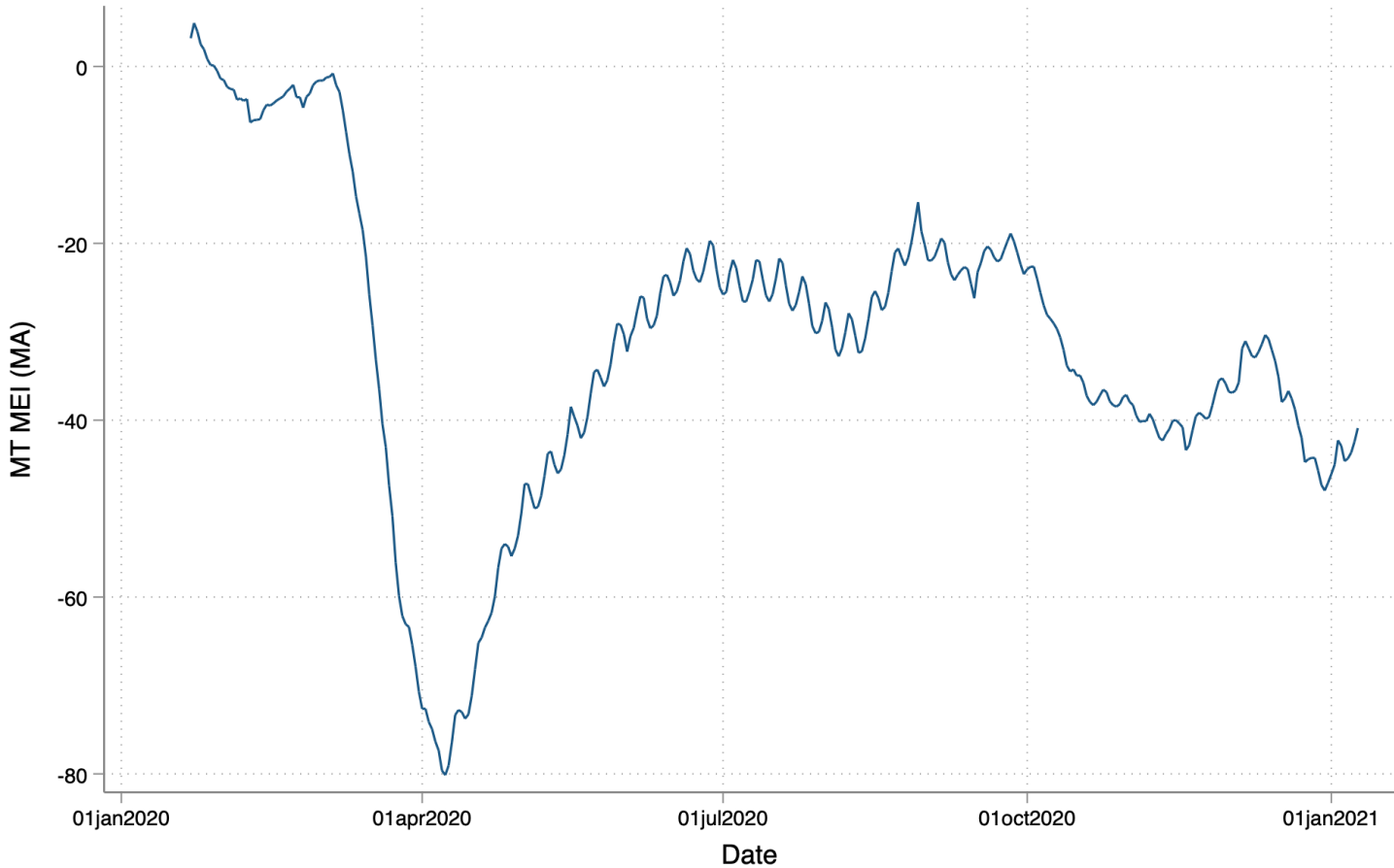
(Source: The Covid Tracking Project)



# Index of cases by county in Montana (3/1/2020= 1)



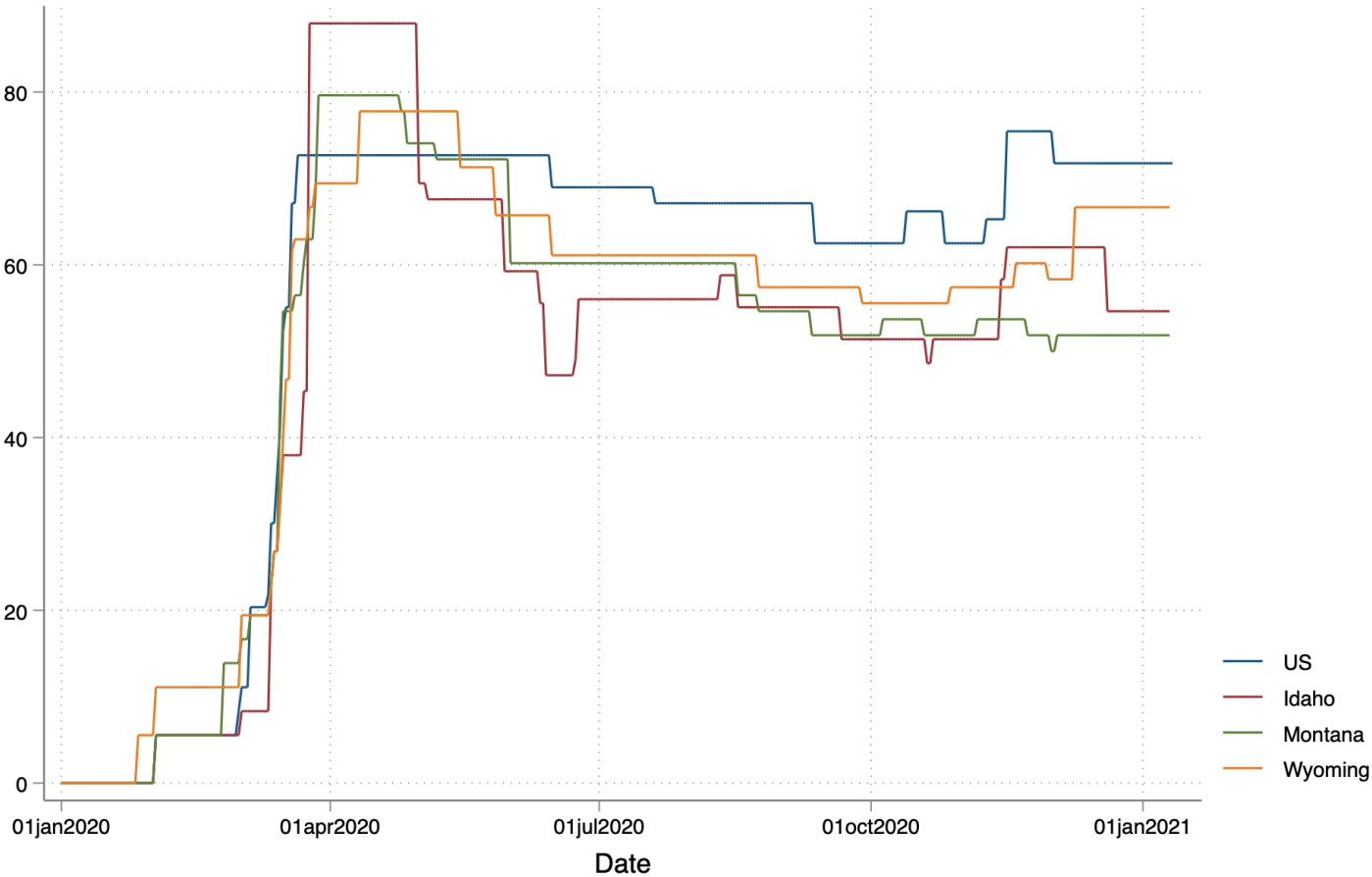
# Montana mobility and engagement index: policy + behavior



(source: Federal Reserve Bank of Dallas)



# Policy “stringency”

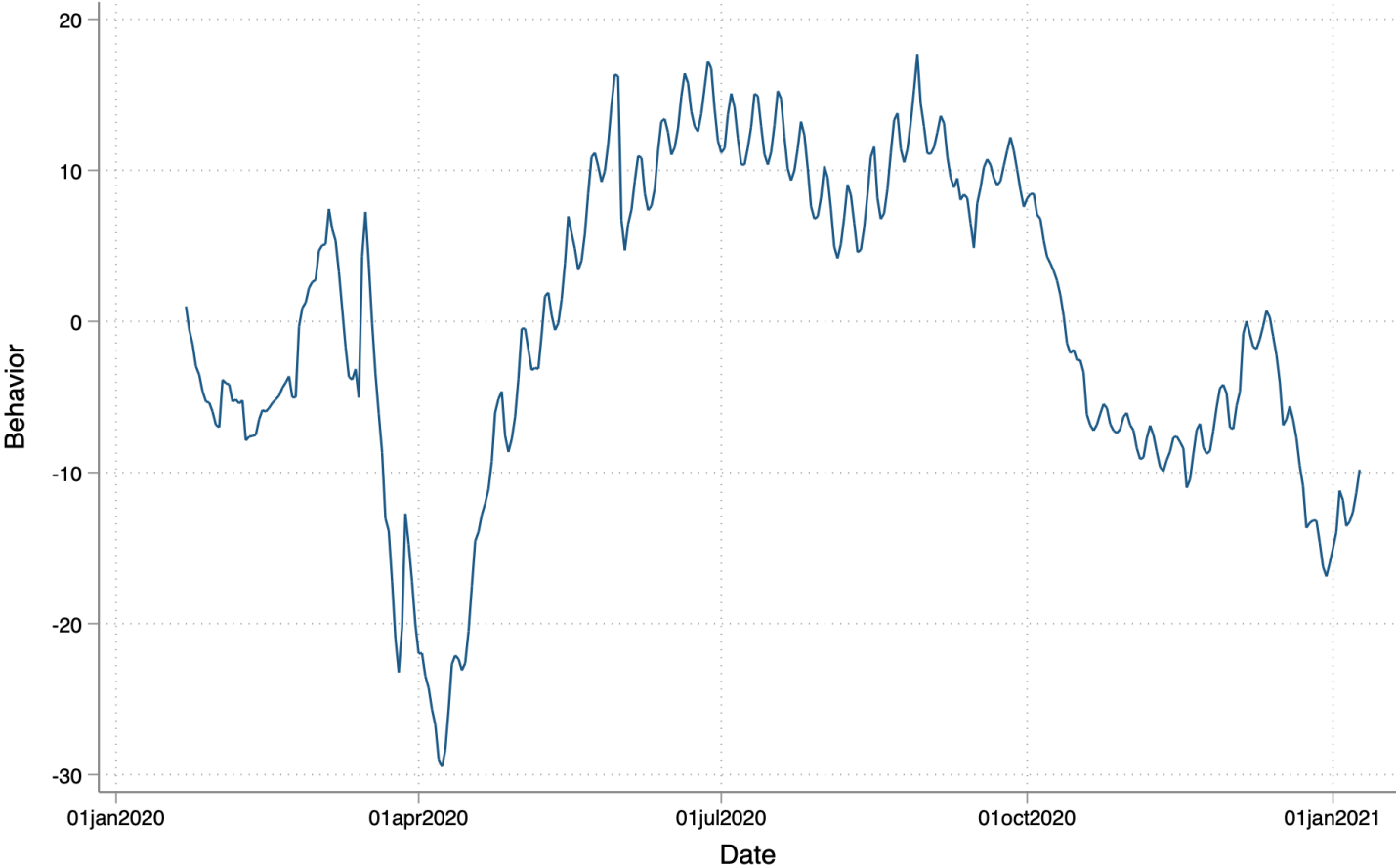


(Source: Oxford Covid-19 Government Response Tracker (OxCGRT))

Index includes: containment and health, economic support, behavior restrictions, and overall state response



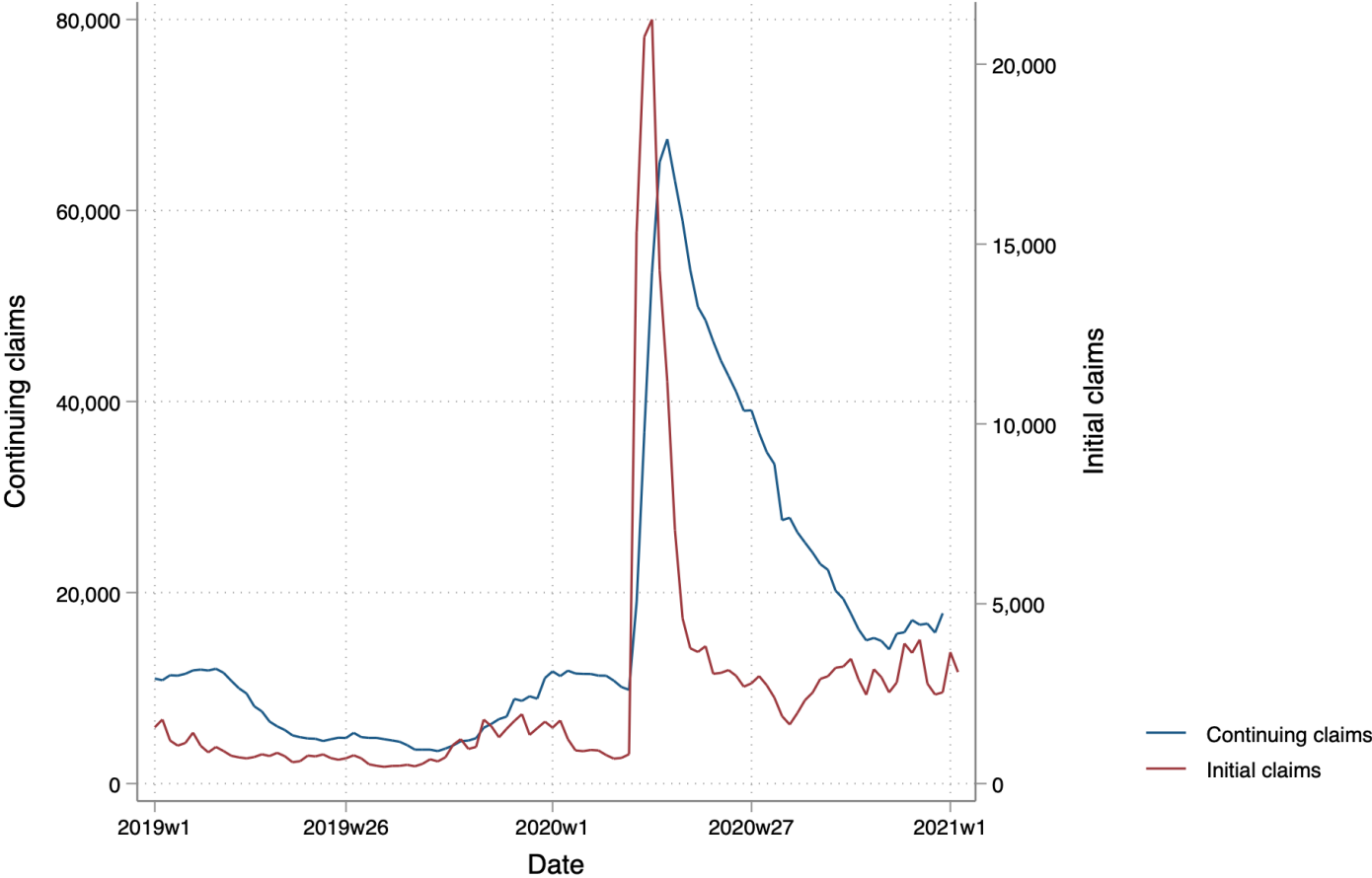
# Mobility in Montana: household behavior



(Sources: BBER estimates using OxCGRT & Dallas FED data)



# Unemployment insurance claims in Montana

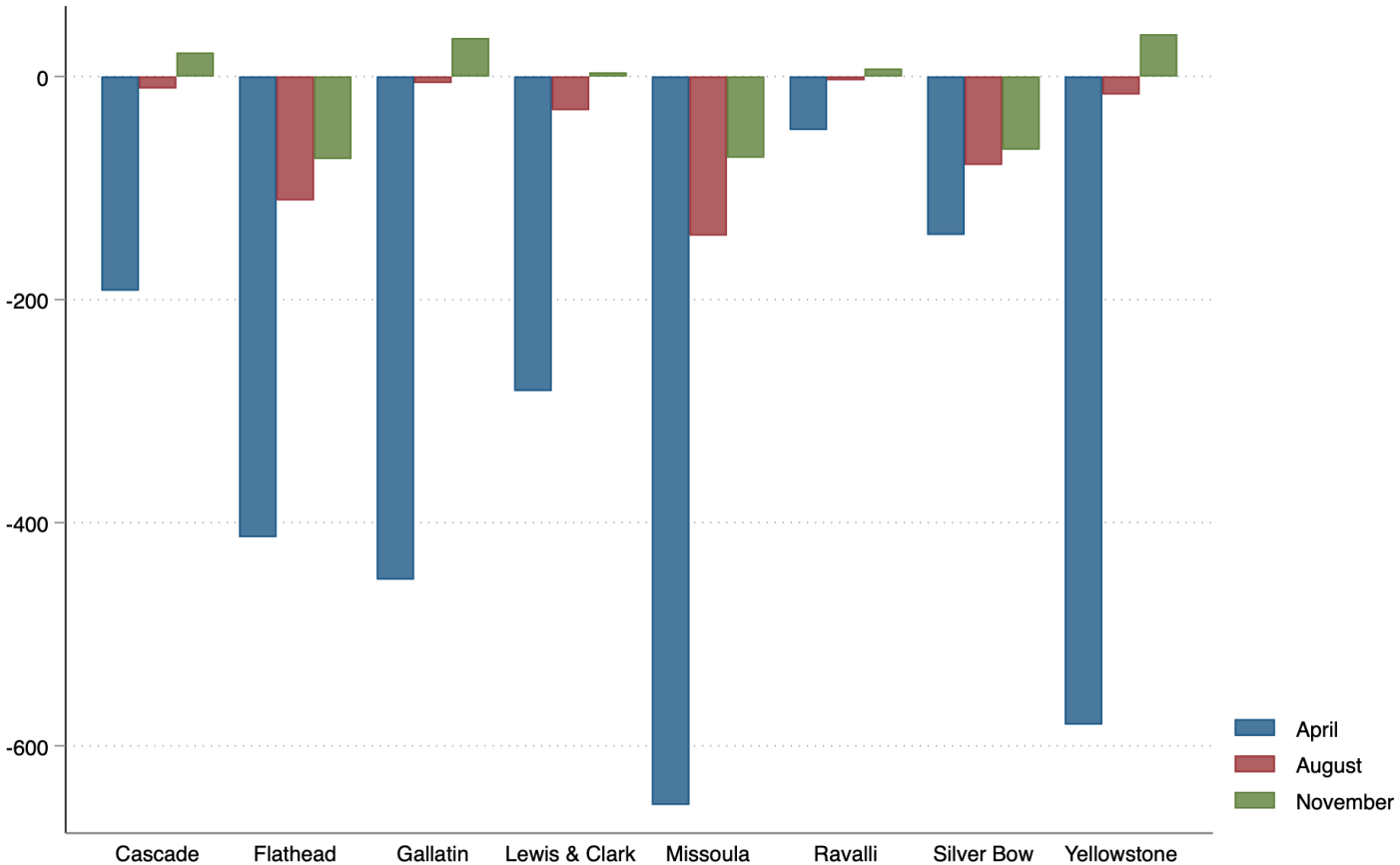


(Source: Bureau of Labor Statistics)





# Healthcare employment impact by county



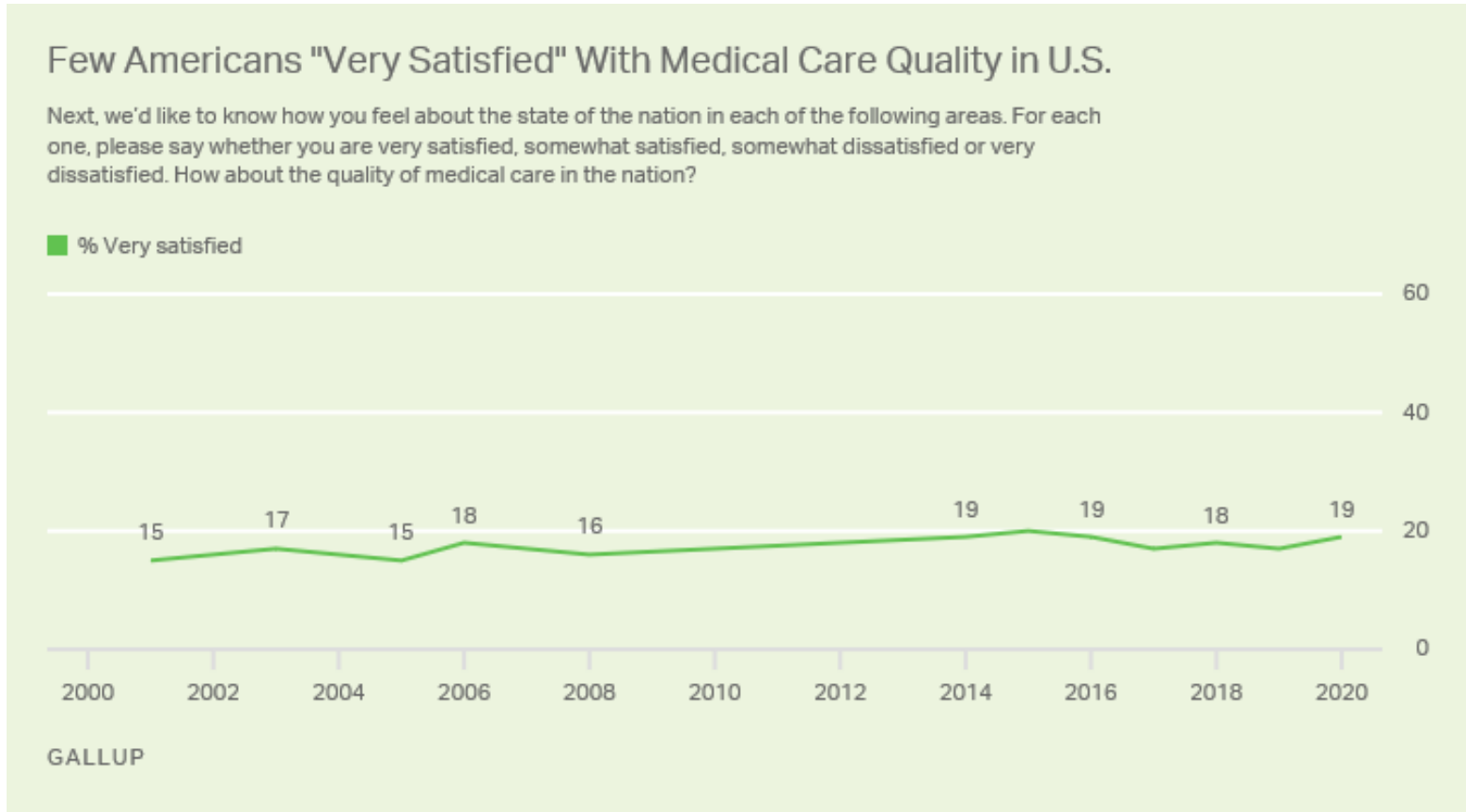
(Source: Bureau of Labor Statistics, calculations based on state average)

Change from March employment (includes counties with over 500 employees)



# State of healthcare

healthcare spending in 2019 was \$3.8 trillion or \$11,582 per person, 17.7% of GDP

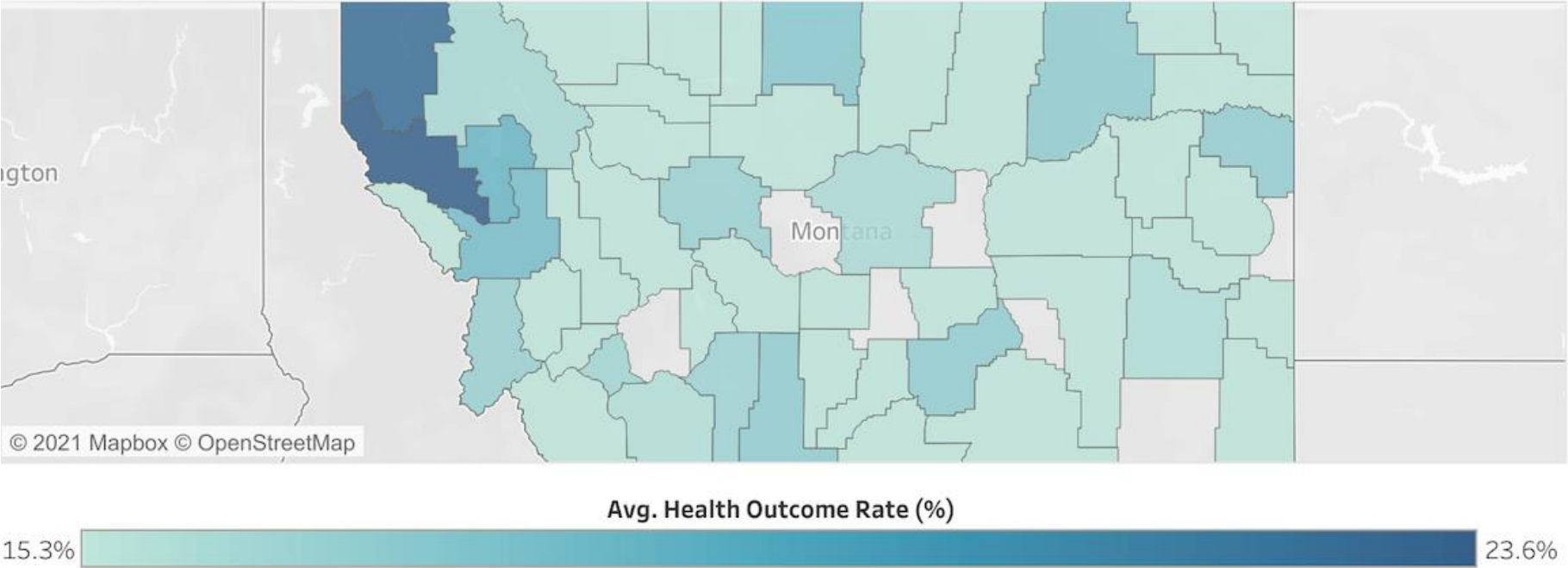


Source: Gallup, "Five Forces That Will Reshape the Future of Healthcare"



# Health outcomes: heart failure readmission + death rate heart failure

## County-Level Geographical View of Health Outcome Rates

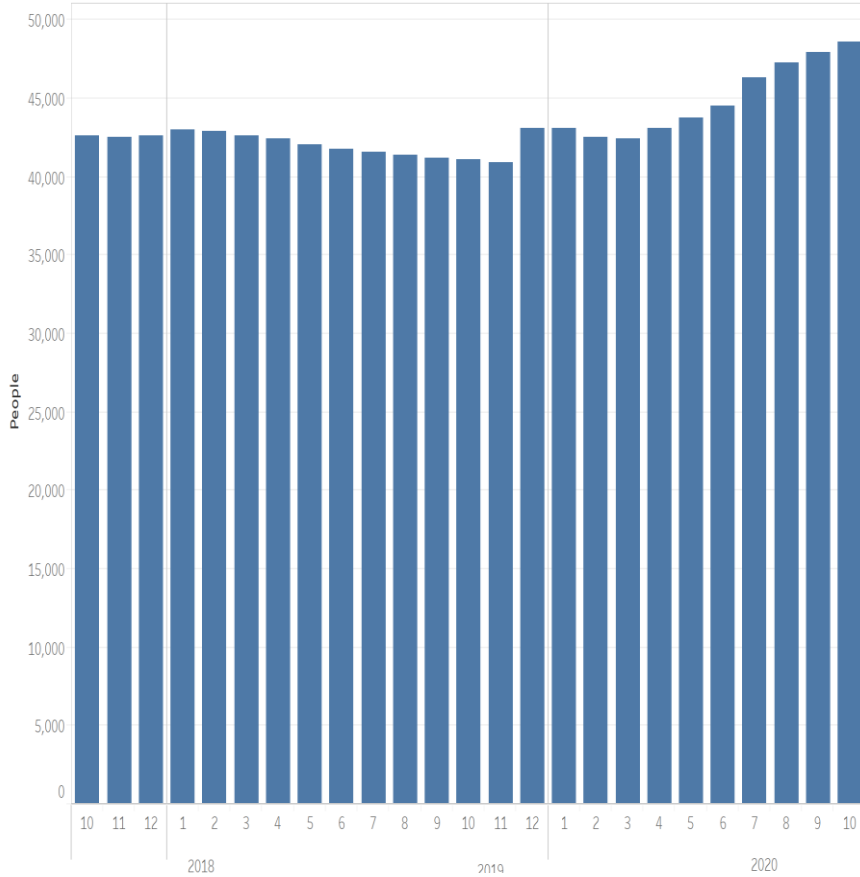


Source: National Rural Health Center, Sanders and Lincoln have incomplete data

# Medicaid enrollment

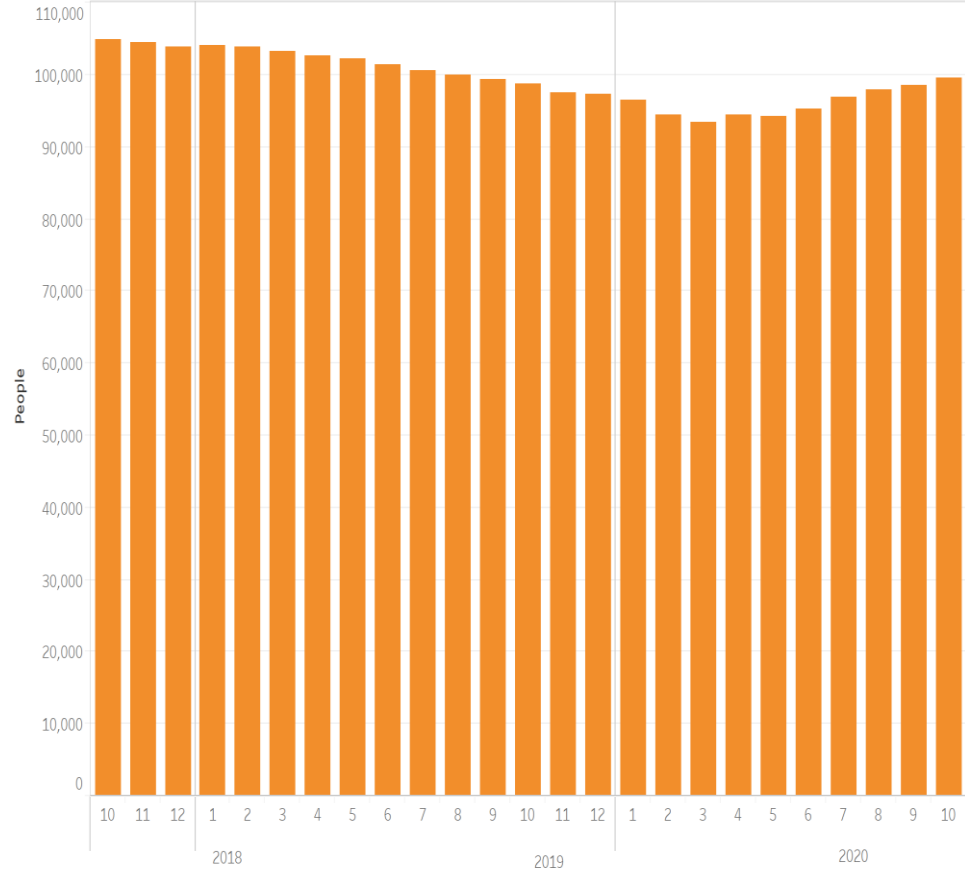
## Adult

Does not include Medicare Savings Plan only, Medically Needy Not Issued, Plan First Waiver, or Presumptive eligibles



## Children

Does not include Medicare Savings Plan (MSP) only, Medically Needy (Not Issued), Plan First Waiver, or Presumptive eligibles



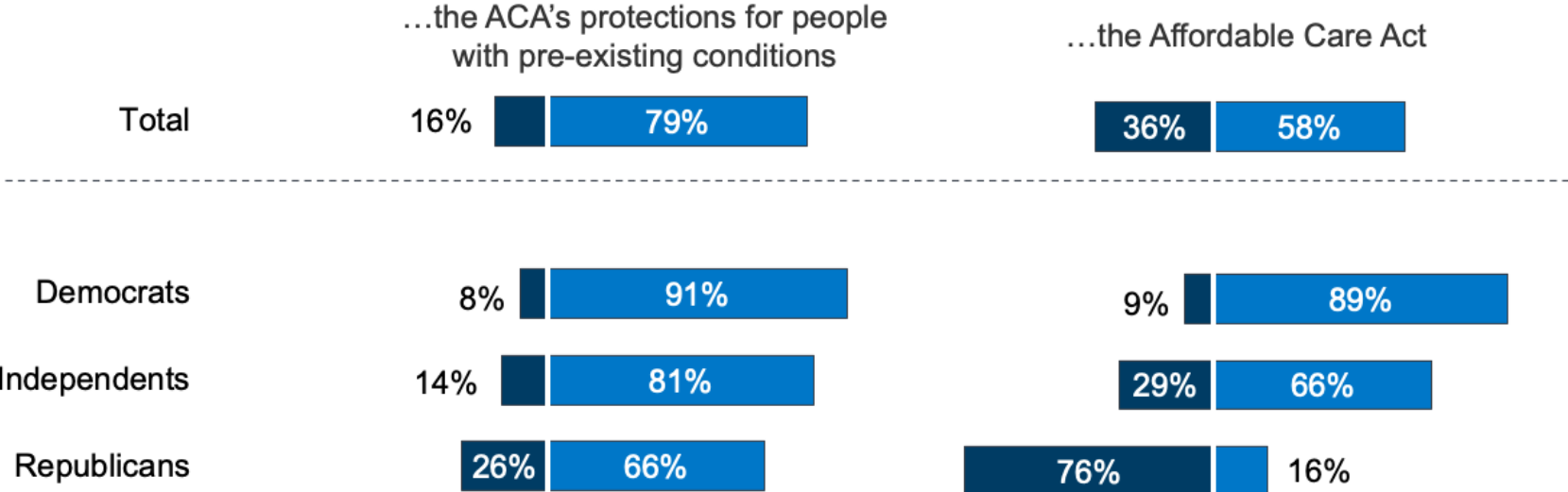
Source: Montana DPHSS



# ACA Attitudes

Would you like to see the Supreme Court overturn...?

■ Yes, overturn      ■ No, do not overturn



SOURCE: KFF Health Tracking Poll (conducted October 7-12, 2020). See topline for full question wording.



Looking forward:

## 1. Rural/Telehealth:

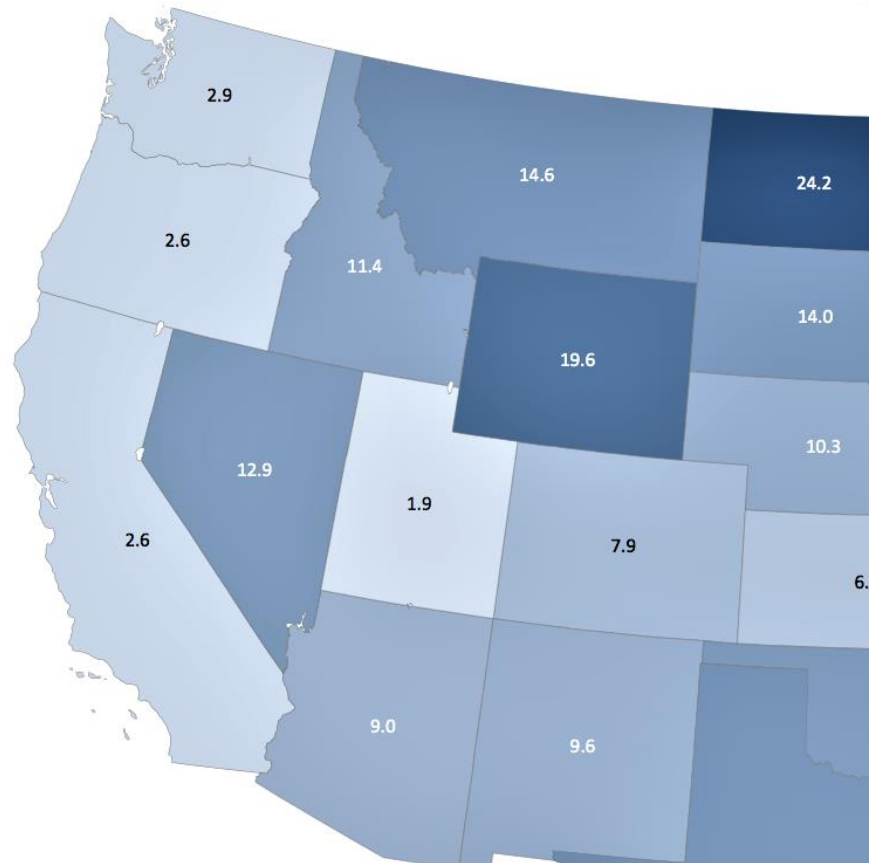
- Removal of restrictions to allowing online appointments
- Improved technology
- Better billing technology

## 2. Value based care

- Patients: bespoke and better care, low cost
- Providers: better services and more efficient (patients=customers)
- Payers: reduced cost and risk
- Suppliers: Prices consistent with outcomes
- Reduce: overall health care and better health



# Fraction of Psychiatrists using Telemedicine



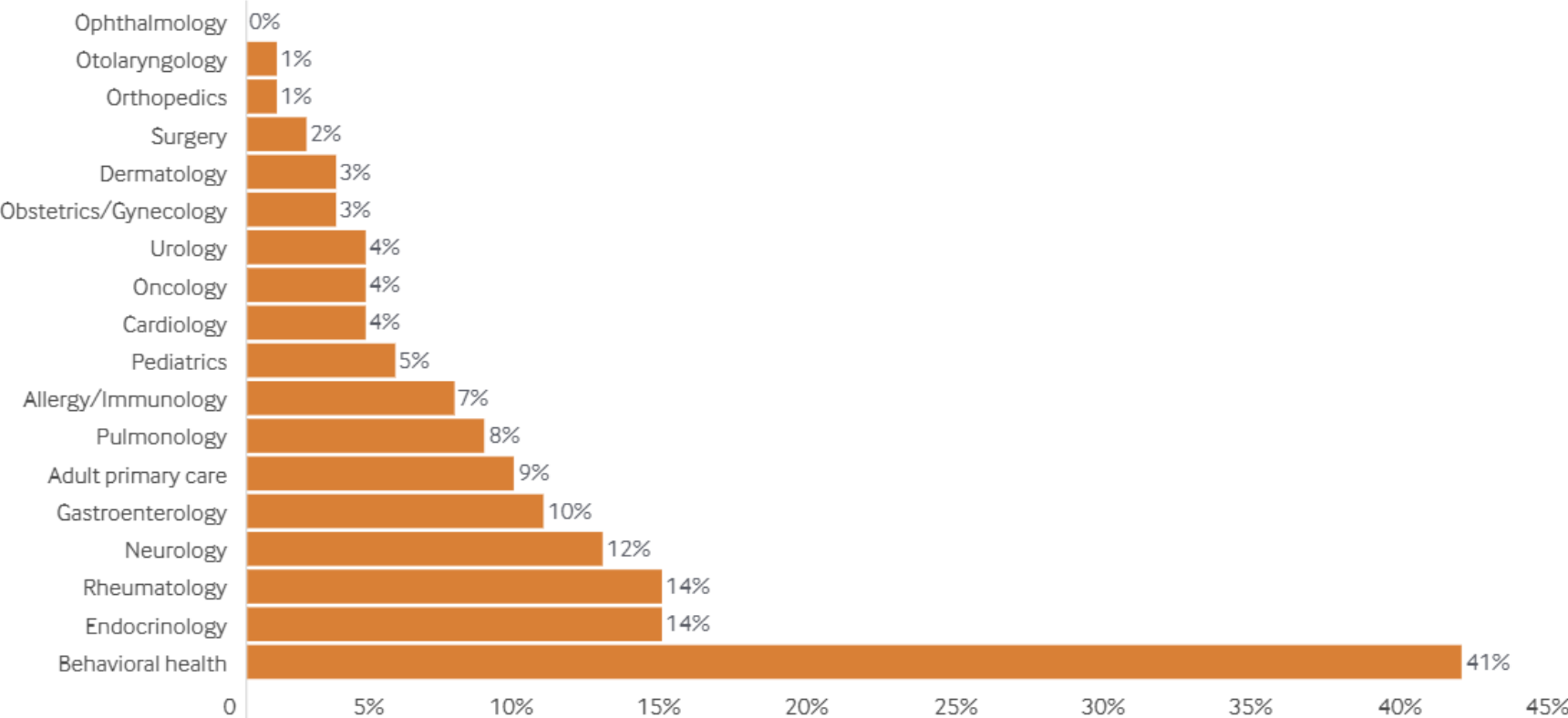
Source: Choi (2019) JAMA Psychiatry



# Variation in telehealth use by specialty

Telehealth usage as percent of total visits during baseline week

● Week starting 10/04



Source: Mehrotra (2021) "Has Telemedicine Increased Access to Care in Rural Communities?", MSU

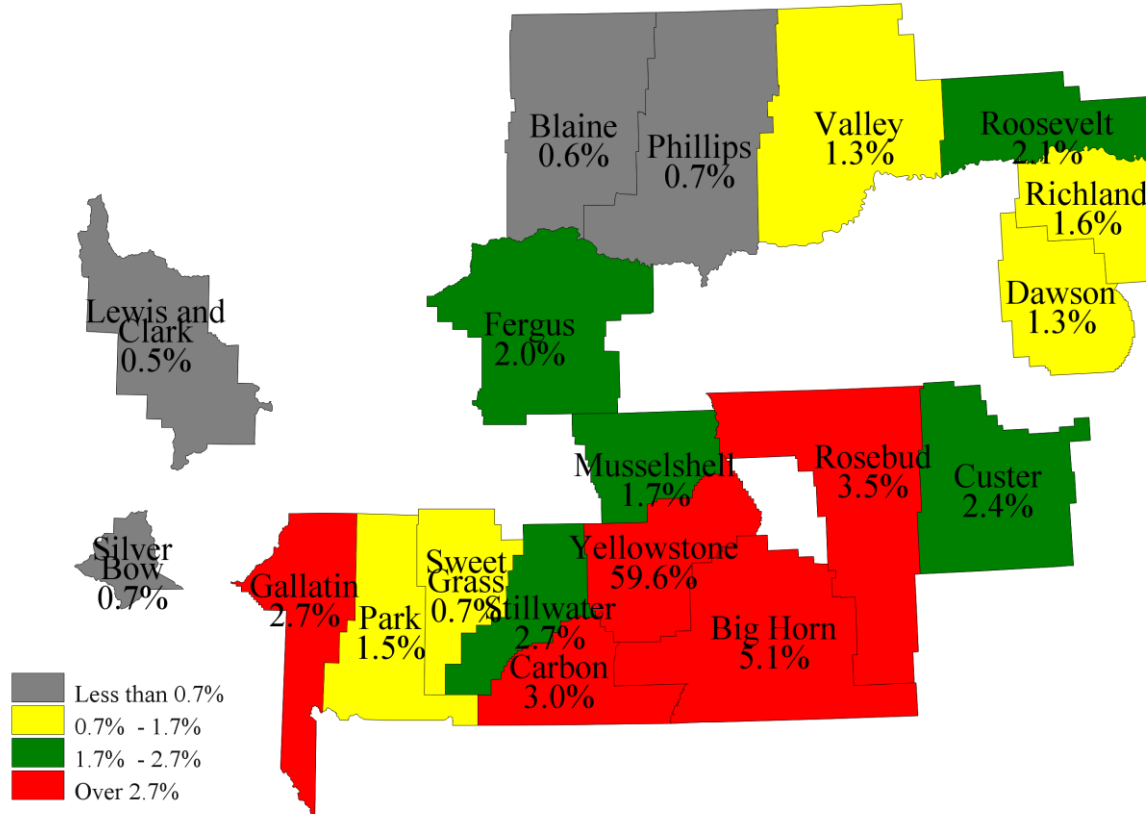




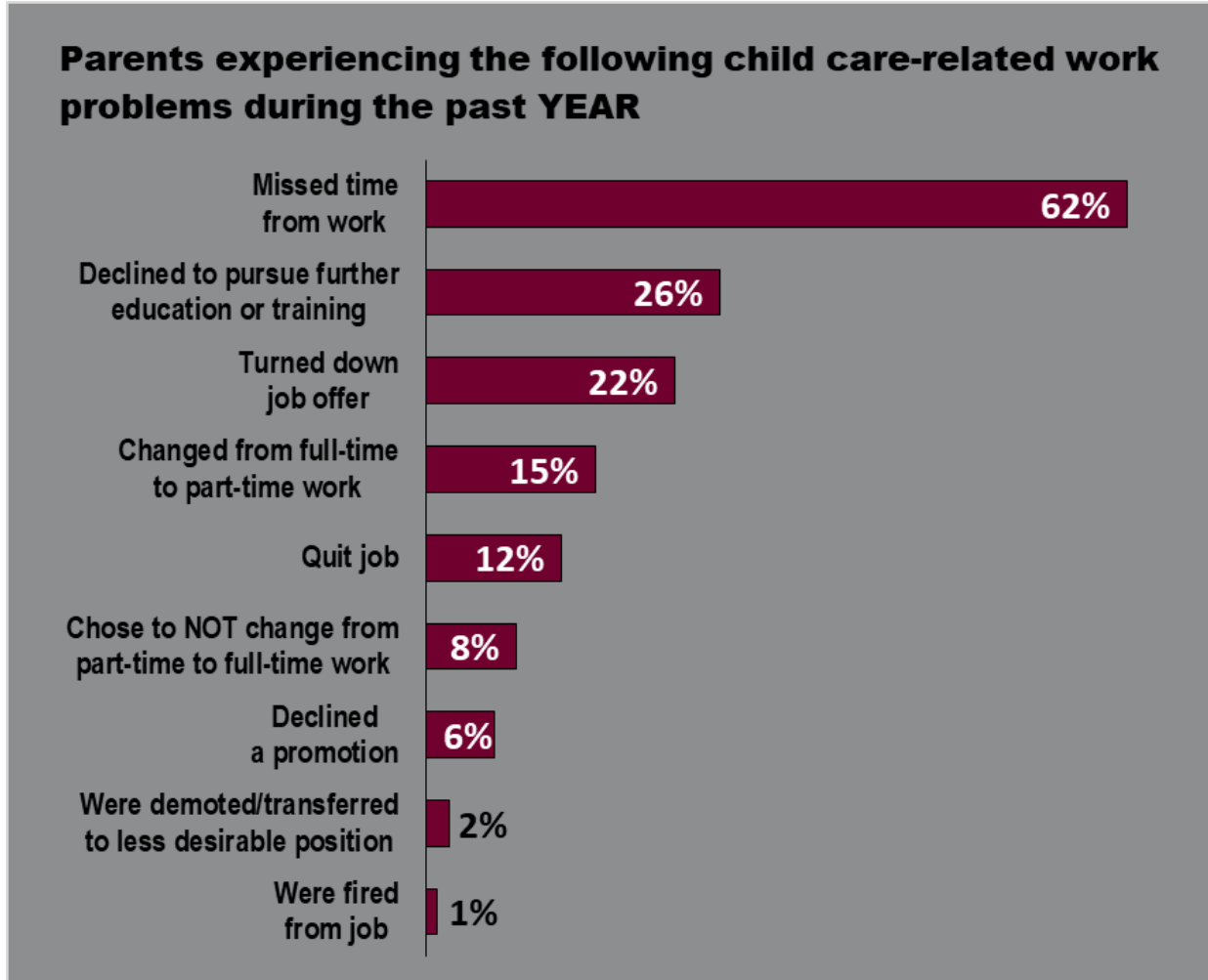
# Rural - Urban healthcare flows

## Yellowstone County Hospital Charges

By County Where Patients Reside, 2019



# Results of Early Childcare BBER/FRB Minneapolis



## Results of Early Childcare BBER/FRB Minneapolis

### Losses to the Montana economy caused by inadequate child care (2019)

	<b>Loss to households</b>	<b>Loss to businesses</b>	<b>Loss to taxpayers</b>
<b>Average per household</b>	\$5,700	\$2,150	\$1,260
<b>State total</b>	\$145,146,000	\$54,562,000	\$32,036,000



## Future of SARS-CoV-2

- Newly published research posits SARS-CoV-2 → common cold/seasonal flu
  - herd immunity and
  - Vaccine
  - Evidence the 1890 Great Russian flu pandemic, which killed about 1 million, was due Cov-OC43 → “common cold”?
- New vaccines: Pfizer (2), Moderna (2), J&J (1)
  - MT @4.5% received 1<sup>st</sup> vaccination
- New variants 70% more contagious: UK (B-117) → surge in March



## Vaccine schedule for Montana

As of January 15, 2021, there's been 51,000 total doses (1<sup>st</sup> + 2<sup>nd</sup>)

<b>Phase 1a Prioritization</b>	<b>Phase 1b Prioritization</b>	<b>Phase 1c Prioritization</b>
Health care workers and long-term care facility residents	includes people ages 70+;  American Indians and other people of color at elevated risk for COVID-19 complications;  people ages 16-69 with high-risk medical conditions;  people living in congregate settings and correctional facilities	includes people ages 60-69;  limited to frontline essential workers;  people ages 16-59 with medical conditions not included in Phase 1b

As of Jan 11, in Phase 1a

