

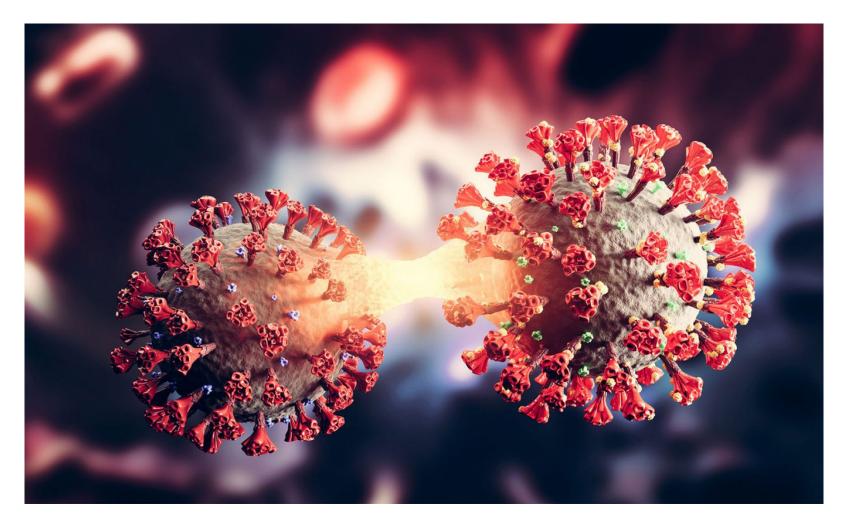
Healthcare

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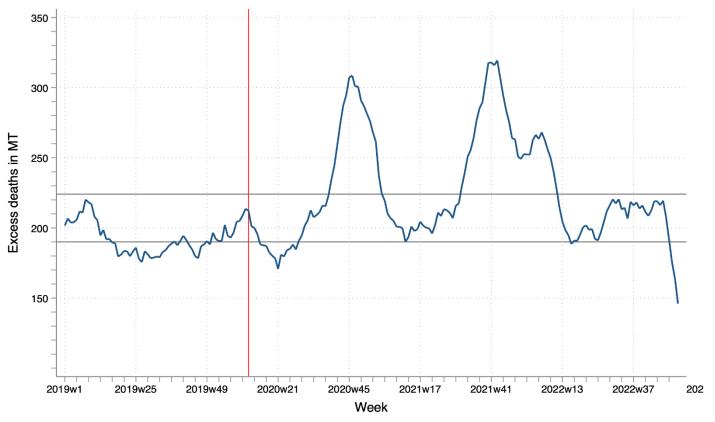


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Excess deaths Montana

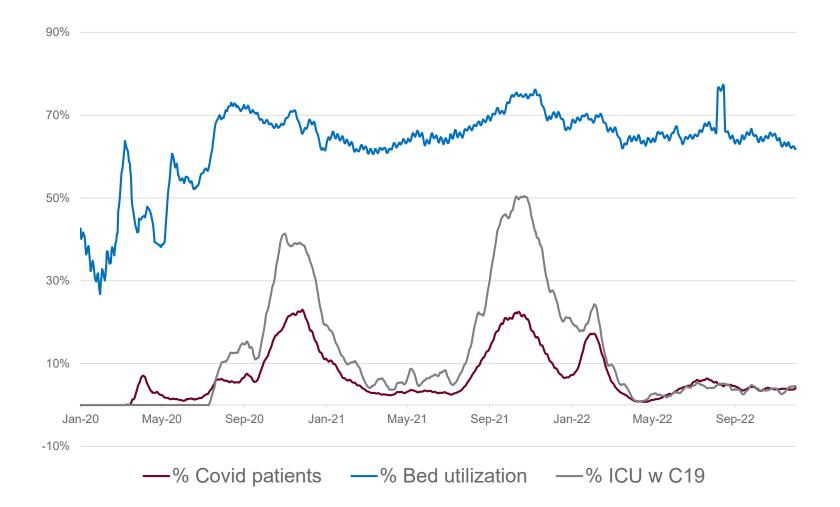


Vertical: date pandemic announced (3/11/20), horizontal lines is mean pre- and post-Covid (Source: US Centers for Disease Control)



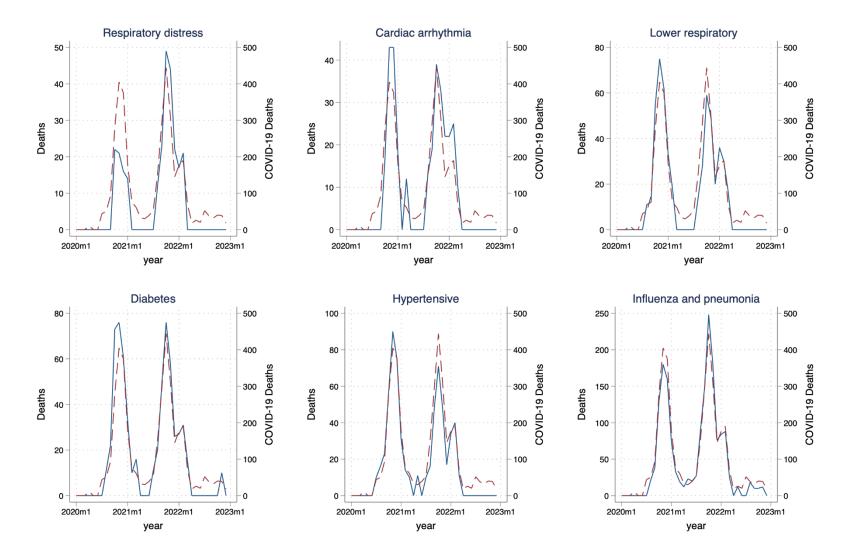


COVID in Montana: Hospitalization & ICU



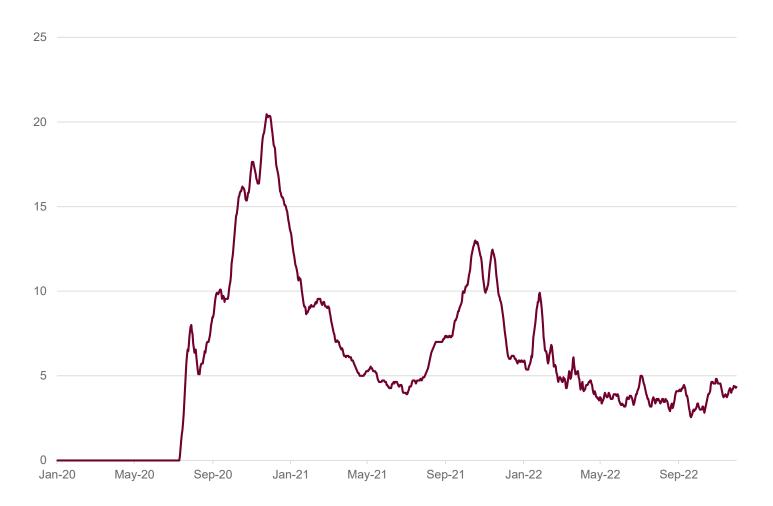


Co-cause of Cov in MT





Number of hospitals reporting shortages





Repercussions of COVID

- Mental health declining: anxiety, depression, PTSD
- Alcohol and drug (fentanyl, meth) use on the rise
- Homicide/Suicide/Violence
- Fewer hospital visits for non-COVID medical needs
- Long (COVID) term effects: lasting impact on healthcare system and economy – no such thing a mild case (25-50%)
 Estimated cost of long COVID: \$3.7 trillion, roughly 15% of 2021 GDP
- Loss of LR healthcare investment
- Industry Burnout





Repercussions of COVID: adoption of tech

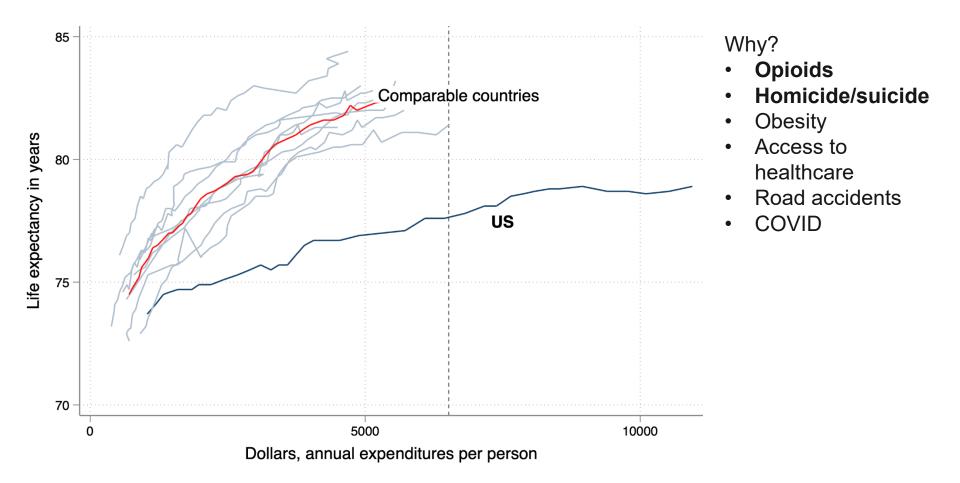
Restrictions on mobility and in-person visits during Covid have reshaped the delivery of healthcare – particularly in mental health services.

- Forecasts between 2020 and 2025 telehealth will grow by almost 40%.
- Industry will continue to adopt technology, particularly in information, to provide quality care
- Artificial intelligence and data analytics are proving helpful in predicting ailments and disease transmission
- Home based health care
- Aging society and rural areas





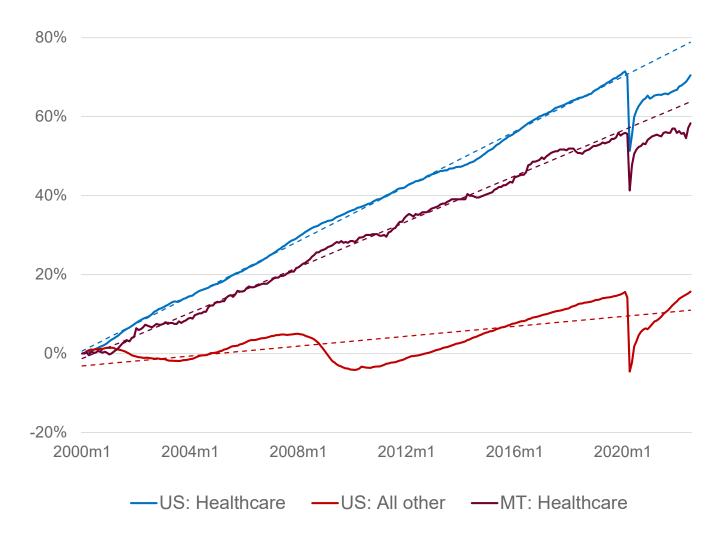
US Expenditure and Life Expectancy







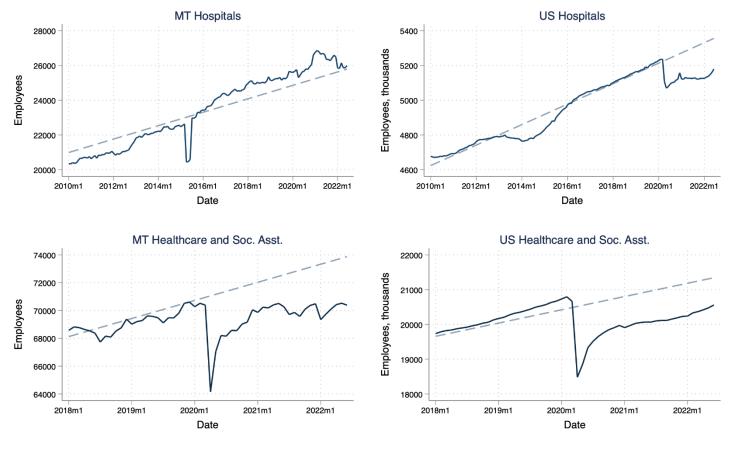
Cumulative HC employment growth: 2000 – today







Employment in Montana vs US



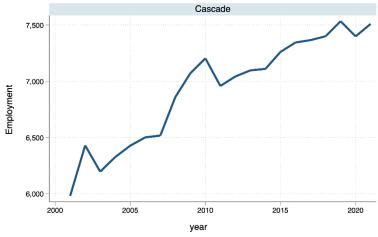
- pre Feb 2020 Trend

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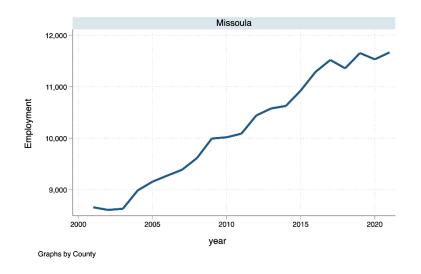


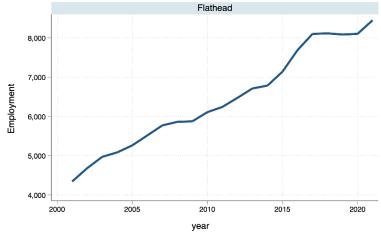


Healthcare-Soc Asst. Employment: Four largest hospital counties

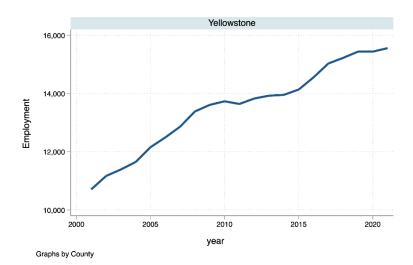






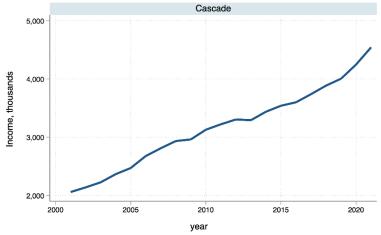




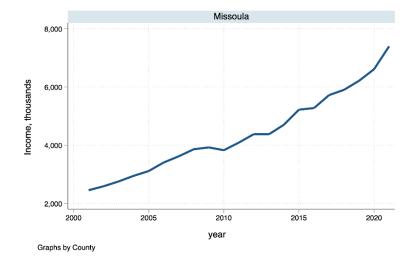


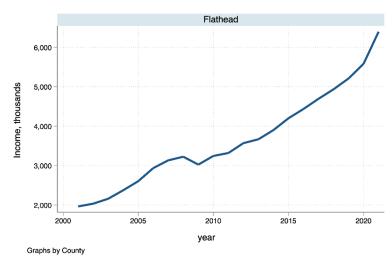


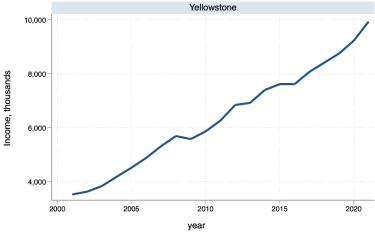
Income: Four largest hospital counties (thousands \$s)









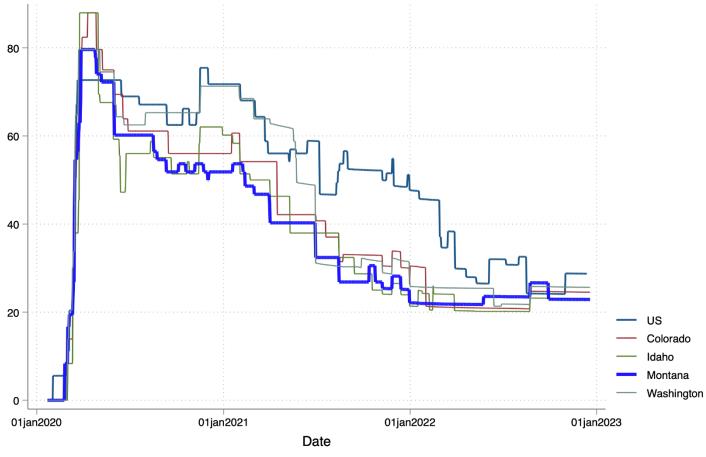


Graphs by County





Covid policy

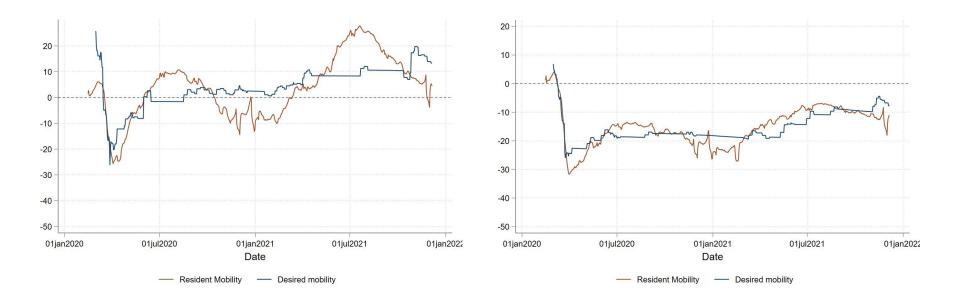


(Source: Oxford Covid-19 Government Response Tracker (OxCGRT))





Policy maker "preferred" behavior vs actual behavior: based on cell phone data



Montana







Thank You

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