

# **Missouri Economy Indicators** Population Trends

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The most recent decennial census reported Missouri's population at 6,154,913, ranking as the 19<sup>th</sup> largest U.S. state in 2020. By 2022, Missouri rose to the 18<sup>th</sup> largest state with a population of 6,177,957. While notable, this increase obscures important trends, as two components of change are needed to fully understand population shifts: *natural change* and *net migration* (see sidebar for definitions).

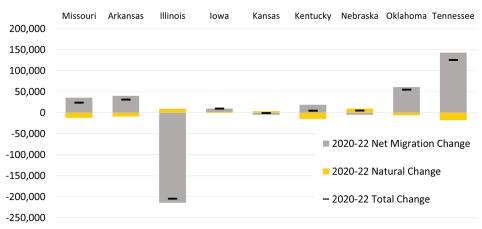
Including Missouri, half of all U.S. states experienced a natural decrease in population between 2020 and 2022. When evaluating states on the level of natural change between 2020 and 2022, Missouri ranked 41<sup>st</sup> with an excess of 12,195 deaths over births — largely attributed to the COVID-19 pandemic. Missouri mitigated this natural decrease and ranked 17<sup>th</sup> in net migration by gaining 34,423 more residents.

### Natural Change and Net Migration

Natural change is the difference between births and deaths in a population. A natural decrease in population occurs when there is a higher number of deaths compared to births, with the inverse resulting in a natural increase.

Net migration is the difference between inmigration and out-migration in a population; how many individuals are moving into a population versus those moving away. This figure includes both domestic and international migration.

When comparing Missouri's border states during the same time frame, only lowa experienced both a natural increase and positive net migration. However, Tennessee still experienced the largest total positive population change despite a natural decrease. Interestingly, Florida, while ranked 1<sup>st</sup> among all states during this period in net migration with nearly 800,000 new migrants, ranked last in natural change with an excess of 89,047 deaths over births.



### Change in Population, 2020-22

As shown in the chart, *natural change* and *net migration* can run in opposite directions, which makes both important for understanding population trends. *Natural change* combined with *net migration* provides a comprehensive look at the forces impacting population change.

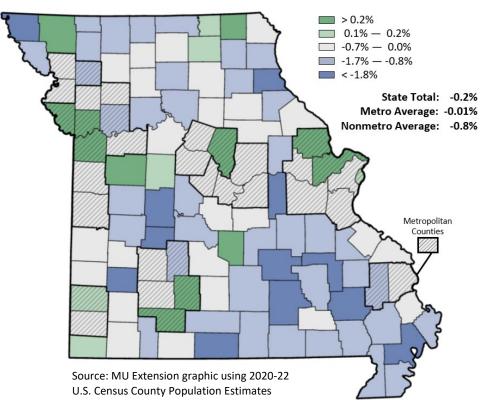
Source: MU Extension graphic using 2020-22 U.S. Census Population Estimates

## **Population Dynamics and COVID-19**

Prior to the COVID-19 pandemic (2010-19), over half of Missouri's counties (57%) experienced a natural increase. Missouri's metro areas saw a natural increase of 2.1% over this period, compared to 0.4% for nonmetro areas. Of the 51 counties experiencing a natural decrease from 2010-19, 86% were nonmetro.

As previously mentioned, the COVID-19 pandemic is partially responsible for an excess of 12,195 deaths over births between 2020 and 2022, resulting in a natural population decrease of 0.2% in Missouri. Metro (-0.01%) and nonmetro (-0.8%) counties alike experienced a natural decrease. During this time, only 16% of Missouri counties saw a natural increase.

Missouri mirrors national trends, as <u>73%</u> of counties experienced a natural decrease in 2021, up from 46% in 2019. Between 2010 and 2019, 74% of Missouri's counties experienced positive net migration, whereas only 30% experienced the same between 2020 and 2022.



### Rate of Natural Change by County, 2020 – 22

### **Additional Notes and Resources**

- The University of Missouri's <u>Center for Applied Research and Engagement Systems</u> (CARES) offers data visualizations in topics ranging from health, the environment and agriculture to safety, education and the economy. CARES' <u>Map Room</u> can be used to view trends over time, including the rate of natural population change.
- The U.S. Census regularly publishes stories related to their latest data releases. A recent <u>story</u> offers additional information on how migration patterns across the country were impacted by the pandemic.

All Missouri Economy Indicators briefs in this series are available at <u>http://muext.us/MissouriEconomyIndicators</u>

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