Kem C. Gardner Policy Institute
DAVID ECCLES SCHOOL OF BUSINESS | UNIVERSITY OF UTAH

In Partnership with the Salt Lake Chamber
We are an honest broker of informed research that guides informed discussions and leads to informed decisions™
Dear friends,

“You may not be interested in the virus, but the virus is interested in you.” This modified Leo Tolstoy quote summarizes much of 2020 and the start of 2021. COVID-19 came seemingly from out of nowhere and impacted every facet of our lives, livelihoods, and lifestyles.

Through all of the struggle, disruption, and pain we’ve been taught many lessons. Among others we’ve learned…

- Pandemics wreak havoc on society, leaving a trail of commotion and misery in their wake.
- COVID-19 hurts some people, industries, and areas more than others.
- Free societies like ours—notwithstanding all of the benefits—struggle to contain a contagious pathogen.
- People and businesses innovate and adapt to meet serious challenges. Even better, they reach out and help one another.
- Well diversified economies like Utah’s fare better when economic hardship strikes.

- When you focus on one problem you lose perspective. Pandemics demand a balanced response.
- Modern medicine makes miracles happen.
- And, health care and other frontline workers are today’s heroes in every sense of the word.

This 2021 edition of Utah Informed captures these and other lessons with the hope that the information provided will help us put this historic pandemic behind us. We can emerge stronger and better than before.

The Kem C. Gardner Policy Institute serves as an honest broker of informed research, that guides informed discussions, and leads to INFORMED DECISIONS™.

Thanks for your interest,

Natalie Gochnour
Director, Kem C. Gardner Policy Institute

Taylor Randall
Dean, David Eccles School of Business

Derek Miller
President & CEO, Salt Lake Chamber
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Editor-in-Chief: Jennifer Robinson
Words and phrases to know in 2021

- **Contactless payment** - a secure method for consumers to purchase products or services by tapping or waving their credit or debit card above the payment reader. *Many businesses are offering contactless payment to reduce touchpoints during a customer’s shopping experience.*

- **Currency volatility** - a situation in which the value of a country’s currency changes suddenly and often. *Floating exchange rates have not resulted in currency volatility, as feared.*

- **Doomscrolling** - the tendency to continue to surf or scroll through bad news, even though the news is saddening, disheartening, or depressing. *If you are doomscrolling, it may be time to take a step back and ask yourself what you really need to know.*

- **Ecoanxiety** - a specific kind of anxiety caused by a dread of environmental perils, especially climate change. *The key to addressing ecoanxiety at any age is losing that feeling of paralysis in the face of the problem’s magnitude.*

- **Hybrid workplace** - a company offering a permanent desk at an office, a work-at-home option, or some combination of the two. *Hybrid workplace is a model of flexibility, adaptability, and shared ownership between employers and employees.*

- **Infodemic** - an excessive amount of information about a problem, including misinformation, which makes it difficult to identify a solution. *We’re not just fighting an epidemic; we’re fighting an infodemic.*

- **Malarkey** - insincere or foolish talk; bunkum. *He thinks that everything politicians say is a bunch of malarkey.*

- **Monolith** - a free-standing column, 10-feet tall, made of stainless steel, first one was embedded into the rock found in the southern Utah desert. *Fox 13 reports that the monolith is believed by many to be a work of abstract art.*

- **Policy stimulus** - using government policies, including government spending and tax reductions, to boost economic activity. *Unable to use traditional remedies like monetary or fiscal policy stimulus, policymakers may consider automatic fiscal stabilizers.*

- **Quranteens & coronababies** - those who are currently teenagers during the pandemic or babies conceived or born during the pandemic. *Social scientists wonder what the long-term effects will be on quaranteens and coronababies.*

- **Slowbalisation** - continued integration of the global economy via trade, financial and other flows albeit at a significantly slower pace. *We are now in an era of slowbalisation, or peak globalisation, with global trade slowing down.*

- **Social Distancing** - the practice of maintaining a greater than usual physical distance from other people during the outbreak of a contagious disease in order to minimize exposure and reduce transmission of infection. *Under a new social distancing strategy, handshaking could be discouraged, with other, less tactile forms of greeting taking its place.*

- **TikToker** - a person who regularly shares or appears in videos on TikTok, a social media platform. *The first TikToker to reach 100 million followers is just 16 years old.*

- **WFH** - an employee is working from their house, apartment, or place of residence, rather than working from the office. *Oftentimes your daily attire includes professional on top, pajamas on bottom. By altering attitudes toward WFH, COVID-19 may have forever changed the way we work.*
The year we learned to make masks

**Top Google searches in United States, 2020**

<table>
<thead>
<tr>
<th>Searches</th>
<th>News</th>
<th>People</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Election results</td>
<td>1. Election results</td>
<td>1. Joe Biden</td>
</tr>
<tr>
<td>2. Coronavirus</td>
<td>2. Coronavirus</td>
<td>2. Kim Jong Un</td>
</tr>
<tr>
<td>5. Coronavirus symptoms</td>
<td>5. Iran</td>
<td>5. Ryan Newman</td>
</tr>
<tr>
<td>7. Who is winning the election</td>
<td>7. Super Tuesday</td>
<td>7. Shakira</td>
</tr>
<tr>
<td>8. Naya Rivera</td>
<td>8. Stock market</td>
<td>8. Tom Brady</td>
</tr>
<tr>
<td>10. PlayStation 5</td>
<td>10. Australia fires</td>
<td>10. Vanessa Bryant</td>
</tr>
</tbody>
</table>

**How to make…**

1. How to make hand sanitizer
2. How to make a face mask with fabric
3. How to make whipped coffee
4. How to make a mask with a bandana
5. How to make a mask without sewing
6. How to make cloud bread
7. How to make Facebook avatar
8. How to make Bitmoji classroom
9. How to make disinfectant wipes
10. How to make a live wallpaper

**Why…**

1. Why were chainsaws invented
2. Why is there a coin shortage
3. Why was George Floyd arrested
4. Why is Nevada taking so long
5. Why is TikTok getting banned
6. Why did Kobe have 2 numbers
7. Why is everyone buying toilet paper
8. Why is it called COVID-19
9. Why is it called Juneteenth
10. Why is Australia on fire

Source: Google Trends
"We ALL need to start acting like high school athletes. They have something they care about and they are protecting their ability to keep playing. So find that thing that you care about as much as these athletes care about football, cheer, and drill."

- Dr. Angela Dunn, Utah State Epidemiologist
As the world turns

Business cycles of the world
December 2, 2020

Source: Moody's Analytics
Not where we want to be

COVID-19 cases per 1,000,000 population by select country
December 1, 2020

Note: As of December 1, 2020, the U.S. had 13.7 million COVID-19 cases. The country with the next highest number of cases, India, had 9.5 million.
Source: Johns Hopkins University (JHU) Coronavirus Resource Center
Health care heroes: working together to combat COVID-19

University of Utah Health quick facts
As of December 23, 2020

<table>
<thead>
<tr>
<th>Health care heroes</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>346,880 COVID-19 tests performed</td>
<td>1,230</td>
</tr>
<tr>
<td>1,230 COVID-19 admits</td>
<td></td>
</tr>
<tr>
<td>10,860 COVID-19 hospital patient days</td>
<td></td>
</tr>
</tbody>
</table>

Novel research projects:
56 campus-wide research projects funded by the National Science Foundation and National Institutes of Health

Peer reviewed COVID-19 journal publications:
Over 60 by University of Utah Health investigators

Testing:
ARUP Laboratories is one of the four largest reference laboratories in the nation

Volunteerism:
ProjectProtect mobilized more than 57,500 volunteers to sew nearly six million masks in six weeks for health care workers
“The coronavirus pandemic has challenged us in new ways. It’s challenged us medically and scientifically. It’s also challenged us to recognize how interconnected our lives really are — and that living healthy requires that we work together.”

- Michael L. Good, MD
CEO, University of Utah Health
Dean, University of Utah School of Medicine
Lorris Betz Senior Vice President for Health Sciences
Netflix and chill

Year-over movie theater ticket sales, 1996–2020

Source: The Numbers, Where Data and the Movie Business Meet, Domestic Movie Theatrical Market Summary 1995 to 2020
Turnout tsunami

Voter turnout in Utah, 2000–2020

Source: Utah State Elections; Office of the Utah Lieutenant Governor
Get out the vote!

Voter turnout by county, 2020

Source: Utah State Elections; Office of the Utah Lieutenant Governor
For our kids

Potential need for early childhood mental health services in Utah

Based on a range of estimates from national studies,

10-20% of Utah’s 458,000 children

between the ages of 0–8 could experience mental, emotional, developmental, or behavioral challenges.

Note: Estimates shown are from national studies completed prior to the COVID-19 pandemic
We’re all monetary theorists now!

**Major central bank balance sheets**
Percent of GDP, December 11, 2020

Source: Datastream and Wells Fargo Securities
Low-income workers feel the pain

Jobs ranked by 2019 average weekly earnings
Percent change in employment from February 2020–November 2020

Source: U.S. Department of Labor and Wells Fargo Securities
Shaken confidence

U.S. and Utah indicies of consumer sentiment, 2020

Note: Utah Consumer Confidence Index began in October 2020 and is ongoing
Source: U.S. Index of Consumer Sentiment, University of Michigan, and Utah Consumer Index, University of Utah
Hopeful CEOs

Utah CEOOutlook confidence index
2017–Q3 2020

Source: Kem C. Gardner Policy Institute and Salt Lake Chamber survey of business leaders
Utah’s Secret Sauce

State-level social capital index, 2018

Note: Social capital is defined in this study as the aspects of our relationships that produce benefits for us. Social capital is likely to be “greater” or more productive in families, communities, and organizations with an abundance of close, supportive relationships.

Source: Joint Economic Committee/Social Capital Project.
Drowning in student loans? You’re not alone

Utah non-mortgage household debt by type, 2003–2019
Average balance per capita in 2020 dollars

Note: Non-mortgage debt includes home equity loans and lines of credit.
Source: Federal Reserve Bank, New York Fed Consumer Credit Panel, Equifax
This is the Place...for industrial banks

Industrial bank assets, 2020
Share of U.S. industrial bank total and total assets in billions of dollars

Note: Asset balances as of September 30, 2020 for all 24 industrial banks in the U.S.
Source: Federal Financial Institutions Examination Council
Quarantine on wheels

Utah RV sales
Q4 2019–Q3 2020

Note: RV sales include camper, motor home, trailer - 750lbs or less, trailer - standard, trailer - tent or camper, and trailer - travel new dealer sales
Source: Utah State Tax Commission, New Vehicle Sales
Distribution of jobs and population in Utah, 2020

Note: Jobs per 100 population
All economics is regional

Utah's economic regions

Source: Kem C. Gardner Policy Institute
Utah leads in economic diversity

State-level Hachman Index, 2019
Based on two-digit industry GDP data

Source: Kem C. Gardner Policy Institute
Salt Lake County leads in economic diversity

County-level Hachman Index, 2019
Based on two-digit industry employment data

Source: Kem C. Gardner Policy Institute
Growth in equity, diversity, and inclusion

Utah's universities total headcount by race/ethnicity
1999 compared to 2019

Note: Excludes non-resident students and students whose race was not reported
Source: Utah System of Higher Education
Deep transformational change around diversity, equity, inclusion, and belonging can’t just be transactional. It has to be relational.

- Aiko Bethea
Saving for a rainy day

Rainy day fund balances as a percent of general fund expenditures, 2019

Source: National Association of State Budget Officers, Fall 2019 Fiscal Survey

STUDENT SUBMISSION
Submitted by David Eccles School of Business
Quantitative Analysis of Markets & Organizations
(QAMO) student Sophia Bagley
Recession*

Year-over change in nonfarm employment
January 2000–October 2020

*The 2020 COVID-19 recession has not yet been defined by the National Bureau of Economic Research (NBER) Business Cycle Dating Committee.
Note: Not seasonally adjusted
Source: U.S. Bureau of Labor Statistics
Year-over change in nonfarm employment in Utah’s counties
November 2019–November 2020

Eastern Utah hard hit

Source: Utah Department of Workforce Services
Utah small business life preservers

Federal financial assistance to Utah businesses during the pandemic

Sources: U.S. Census Bureau, Small Business Pulse Survey
Termites in the woodwork

U.S. debt-to-GDP ratio, 1948–2020
Federal fiscal years

Source: U.S. Treasury; U.S. Bureau of Economic Analysis
Utah economy fares better during COVID-19 recession

State coincident indexes
Percent change March–November 2020

Note: The Coincident Economic Activity Index combines nonfarm payroll employment, average hours worked in manufacturing, the unemployment rate, and real wage and salary dispursements.
Source: Federal Reserve Bank of Philadelphia
Mother may I?

Child care need and gaps in Utah before COVID-19

153,950 children have the potential need for child care

55,460 available slots

The families of 98,750 children do not have access to child care

Child care gap: 64.1% of the potential need

Source: Bipartisan Policy Center in partnership with the Utah Department of Workforce Services Office of Child Care
Utahns needing help

United Way of Salt Lake 211 calls
2019 compared to 2020

Note: 211 is a free information helpline that connects people of all ages and from all communities to the essential health and human services they need, 24 hours a day, seven days a week.
Source: United Way of Salt Lake
The need for student-centered funding

Utah student outcomes based on economic status, 2018

Note: "Economically disadvantaged" refers to a child experiencing intergenerational poverty, living in a family with an annual income at or below 185% of the federal poverty level, or living with a legal custodian or legal guardian who can attest that the child or the child’s household is receiving services benefitting low-income households or individuals, as defined in Utah Code 53B-8a-201.
Source: Utah State Board of Education
Who CARES? Utah does

CARES Act allocations by state as a share of estimated 2020 GDP

Source: Department of the Treasury Office of Inspector General (OIG)
All the small things add up

Utah taxable retail sales
January 2019–September 2020

Source: Utah State Tax Commission
Fiscal responsibility

Utah general obligation debt relative to constitutional debt limit
FY2007–FY2020

Source: Utah Division of Finance
Utah’s global mix

Utah’s top 10 trading partners, 2020
Percent of total value excluding gold

- Canada: 16.0%
- Mexico: 10.3%
- Japan: 7.6%
- Taiwan: 7.2%
- South Korea: 5.6%
- Germany: 4.6%
- China: 7.4%
- Netherlands: 5.9%
- Australia: 2.9%
- Singapore: 2.8%

Utah’s top 10 exports, 2020
Percent of total value excluding gold

- Computer & Electronic Products: 20.4%
- Chemicals: 17.3%
- Food & Kindred Products: 12.1%
- Transportation Equipment: 9.5%
- Machinery Except Electrical: 5.6%
- Minerals & Ores: 5.8%
- Miscellaneous Manufactured Commodities: 10.0%
- Machinery: 3.8%
- Electrical Equipment, Appliances & Components: 2.7%
- Plastics & Rubber Products: 2.0%
- Fabricated Metal Products

Note: Data through October 2020. Gold accounted for 50% of Utah’s exports through October of 2020; 98% of gold exports went to the United Kingdom during this time.
Source: USA Trade Online
Does it walk like a duck?

U.S. and Utah revenue sources, 2018

Source: U.S. Census Bureau Annual Survey of State and Local Government Finances
A sellers’ market in the Beehive State

Home sales and listings in Utah

Homes sold

<table>
<thead>
<tr>
<th>Month</th>
<th>2016-19 Avg.</th>
<th>2020</th>
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<tbody>
<tr>
<td>Jan</td>
<td>3,000</td>
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<td>Feb</td>
<td>3,000</td>
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<td>Mar</td>
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<td>Apr</td>
<td>3,000</td>
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<tr>
<td>May</td>
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<tr>
<td>Jun</td>
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<td>Jul</td>
<td>3,000</td>
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<td>Aug</td>
<td>3,000</td>
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<td>Sep</td>
<td>3,000</td>
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<td>Oct</td>
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<tr>
<td>Nov</td>
<td>3,000</td>
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<td>Dec</td>
<td>3,000</td>
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</table>

Active listings

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<thead>
<tr>
<th>Month</th>
<th>2016-19 Avg.</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan</td>
<td>8,000</td>
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<tr>
<td>Feb</td>
<td>8,000</td>
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<tr>
<td>Mar</td>
<td>8,000</td>
<td></td>
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<tr>
<td>Apr</td>
<td>8,000</td>
<td></td>
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<tr>
<td>May</td>
<td>8,000</td>
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<tr>
<td>Jun</td>
<td>8,000</td>
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<tr>
<td>Jul</td>
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<td>Aug</td>
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<td>Sep</td>
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<td>Oct</td>
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<td>Nov</td>
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<tr>
<td>Dec</td>
<td>8,000</td>
<td></td>
</tr>
</tbody>
</table>

Source: UtahRealEstate.com
Up, up, up they go...where they stop, no-one knows!

Home price growth in Utah, 2019–2020

Source: UtahRealEstate.com
“FOR TWO DECADES A RELIABLY EASY WAY TO MAKE MONEY HAS BEEN TO BUY A COMMERCIAL BUILDING AND GO TO SLEEP... BUT NOW THE VIRUS HAS THROWN THAT ASSUMPTION INTO A CEMENT MIXER.”

– Adapted from The Economist, June 27, 2020
The housing shortage is real

Annual increase in households and housing units in Utah/cumulative shortage, 2010–2019

Source: Kem C. Gardner Policy Institute
A hot housing market

Change in FHFA state-level house price index
Seasonally adjusted, purchase-only index, 2015 Q3–2020 Q3

Source: FHFA
From coast to coast

Top 25 metro areas ranked by median sales price of single-family homes

Q1 2020

Source: National Association of Realtors

<table>
<thead>
<tr>
<th>Area</th>
<th>Price</th>
<th>Year-over % Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salem, OR</td>
<td>$331,400</td>
<td>13.4%</td>
</tr>
<tr>
<td>Colorado Springs, CO</td>
<td>$339,100</td>
<td>14.4%</td>
</tr>
<tr>
<td>Austin-Round Rock, TX</td>
<td>$341,500</td>
<td>12.6%</td>
</tr>
<tr>
<td>Salt Lake City, UT</td>
<td>$372,100</td>
<td>12.3%</td>
</tr>
<tr>
<td>Miami-Fort Lauderdale-West Palm Beach, FL</td>
<td>$375,000</td>
<td>7.1%</td>
</tr>
<tr>
<td>Newark, NJ-PA</td>
<td>$388,000</td>
<td>7.9%</td>
</tr>
<tr>
<td>Sacramento-Roseville-Arden/Arcade, CA</td>
<td>$392,300</td>
<td>9.0%</td>
</tr>
<tr>
<td>Riverside-San Bernardino-Ontario, CA</td>
<td>$393,000</td>
<td>7.7%</td>
</tr>
<tr>
<td>Reno, NV</td>
<td>$407,600</td>
<td>7.7%</td>
</tr>
<tr>
<td>Portland-Vancouver-Hillsboro, OR-WA</td>
<td>$416,100</td>
<td>6.5%</td>
</tr>
<tr>
<td>New York-Newark-Jersey City, NY-NJ</td>
<td>$420,300</td>
<td>6.0%</td>
</tr>
<tr>
<td>Barnstable Town, MA</td>
<td>$426,600</td>
<td>4.7%</td>
</tr>
<tr>
<td>Bridgeport-Stamford-Norwalk, CT</td>
<td>$432,100</td>
<td>7.7%</td>
</tr>
<tr>
<td>Washington-Arlington-Alexandria, DC-VA-MD-WV</td>
<td>$438,900</td>
<td>4.5%</td>
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<tr>
<td>Denver-Aurora, CO</td>
<td>$473,800</td>
<td>6.1%</td>
</tr>
<tr>
<td>Naples-Immokalee-Marco Island, FL</td>
<td>$480,000</td>
<td>11.9%</td>
</tr>
<tr>
<td>Nassau County-Suffolk County, NY</td>
<td>$487,700</td>
<td>2.8%</td>
</tr>
<tr>
<td>Boston-Cambridge-Newton, MA</td>
<td>$494,400</td>
<td>7.2%</td>
</tr>
<tr>
<td>Seattle-Tacoma-Bellevue, WA</td>
<td>$554,500</td>
<td>11.5%</td>
</tr>
<tr>
<td>Los Angeles-Long Beach-Glendale, CA</td>
<td>$592,800</td>
<td>8.1%</td>
</tr>
<tr>
<td>San Diego-Carlsbad, CA</td>
<td>$670,000</td>
<td>8.1%</td>
</tr>
<tr>
<td>Honolulu, HI</td>
<td>$788,800</td>
<td>-0.7%</td>
</tr>
<tr>
<td>Anaheim-Santa Anna-Irvine, CA</td>
<td>$875,000</td>
<td>9.4%</td>
</tr>
<tr>
<td>San Francisco-Oakland-Hayward, CA</td>
<td>$985,000</td>
<td>5.9%</td>
</tr>
<tr>
<td>San Jose-Sunnyvale-Santa Clara, CA</td>
<td>$1,350,000</td>
<td>10.7%</td>
</tr>
</tbody>
</table>
NOT a renter’s market

Gap of affordable and available rental units for renters at 0–50% of area median income in Utah

<table>
<thead>
<tr>
<th>Year</th>
<th>Renter Households at ≤50%</th>
<th>Available and Affordable</th>
<th>Affordability Gap</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>111,251</td>
<td>70,199</td>
<td>41,052</td>
</tr>
<tr>
<td>2011</td>
<td>113,717</td>
<td>78,010</td>
<td>35,707</td>
</tr>
<tr>
<td>2012</td>
<td>114,283</td>
<td>68,570</td>
<td>45,713</td>
</tr>
<tr>
<td>2013</td>
<td>116,299</td>
<td>69,012</td>
<td>47,287</td>
</tr>
<tr>
<td>2014</td>
<td>118,947</td>
<td>71,844</td>
<td>47,103</td>
</tr>
<tr>
<td>2015</td>
<td>121,701</td>
<td>77,037</td>
<td>44,664</td>
</tr>
<tr>
<td>2016</td>
<td>119,230</td>
<td>74,161</td>
<td>45,069</td>
</tr>
<tr>
<td>2017</td>
<td>123,432</td>
<td>75,417</td>
<td>48,015</td>
</tr>
<tr>
<td>2018</td>
<td>123,861</td>
<td>74,317</td>
<td>49,545</td>
</tr>
<tr>
<td>AARC</td>
<td>1.35%</td>
<td>0.72%</td>
<td>2.38%</td>
</tr>
</tbody>
</table>

Cumulative permitted commercial construction

Source: Kem C. Gardner Policy Institute
May I take your order?

Year-over seated diners in U.S. and Utah
Online reservations, phone reservations, and walk-ins

Note: From a sample of restaurants on the OpenTable network
Source: OpenTable.com
Tourism struggling

Leisure and hospitality taxable sales, 2019–2020
Total sales and change from prior year

Source: Kem C. Gardner Policy Institute analysis of Utah State Tax Commission data
Tipping welcome

Utah leisure and hospitality employment, 2019–2020
Total jobs and change from prior year

First-class airport awaits your arrival

Year-over change in travel-related spending and SLC International Airport passengers, 2019–2020

Source: Kem C. Gardner Policy Institute analysis of Salt Lake City International Airport, Utah State Tax Commission, and U.S. Travel Association data
This land is your land

Year-over change in Utah park visitation, 2019–2020

Source: Kem C. Gardner Policy Institute analysis of National Park Service and Utah State Parks data
Come to Zion

Year-over change in hotel occupancy rates, Springdale vs. downtown Salt Lake City, 2019–2020

Note: Republication or other re-use of this data without the express written permission of STR, Inc. is strictly prohibited.
Source: Kem C. Gardner Policy Institute analysis of STR, Inc., data
Utah’s power cocktail

Fuel mix of electric power generation in Utah, 2020

- Fossil Fuels, 86.5%
- Solar, 6.9%
- Hydroelectric, 2.8%
- Wind, 2.2%
- Geothermal, 1.0%
- Biomass, 0.2%
- Other, 0.3%

Note: Data are through September. Fossil fuels consist of coal, natural gas, petroleum liquids, and other gases. Other comprises cogeneration, waste heat, and non-biogenic municipal solid waste.
Source: U.S. Energy Information Administration
Uinta Basin challenge

Rotary drilling rig count in Utah, 2010–2020

Note: 2020 data represents average of counts through August.
Utah’s oil price threshold

West Texas Intermediate crude oil prices, 2020

Projected range of WTI prices needed to cover Uinta Basin operating expenses

Source: Energy Information Administration (Cushing, OK WTI Spot Prices FOB)
Drive less, use less, fly much less

Year-over change in U.S. petroleum consumption, 2019–2020

Note: Distillate consists mostly of diesel fuel
COVID-19 cases per 1,000,000 population by state
December 1, 2020

Note: Despite having a high rate of COVID-19 cases, Utah has maintained a low death rate compared to other states. On Dec. 1, 2020, Utah had the 6th lowest number of COVID-19 deaths per million population (272). That said, this rate is increasing. By Dec. 10, 2020, the rate was 310.

Source: Kaiser Family Foundation estimates based on Johns Hopkins University’s COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) and 2019 Population data from U.S. Census Bureau
Still hitting us hard

Cumulative COVID-19 case-fatality rates in Utah vs. U.S.
March 2020–December 2020

Note: Case-fatality rate is COVID-19 deaths as a percent of total COVID-19 cases. COVID-19 data as of December 3, 2020. Utah’s young population partly contributes to its low fatality rate.
Source: Utah Department of Health COVID-19 Surveillance; Johns Hopkins University (JHU) Coronavirus Resource Center
Utah’s COVID-19 multicultural disparities

Utah COVID-19 hospitalization rate per 1,000 cases and mortality rate per 100,000 population by race and ethnicity

December 1, 2020

Note: Utah’s statewide average hospitalization rate was 41.7 per 1,000 cases and average mortality rate was 28.7 per 100,000 population as of December 1, 2020.

Source: Utah Department of Health COVID-19 Surveillance
High anxiety

Share of adults who report anxiety disorder symptoms in Utah vs. U.S., 2020

Note: Adults age 18 and older. U.S. 2019 average is from January to June.
Source: U.S. Census Bureau, Household Pulse Survey, 2020; National Center for Health Statistics, National Health Interview Survey, 2019
Utah telehealth visits by type
January–August 2020 weekly totals

Note: Includes HCPCS/CPT procedure codes in the “Telehealth” category from the Clinic Classifications Software for Services and Procedures. Also includes any procedure otherwise indicated as being delivered via telehealth, i.e., Place of Service Code 02, CPT Modifiers 95 and GT.
Another unintended consequence of COVID-19

Utah childhood vaccinations
2019 compared to 2020

Note: The claims for the number of vaccines administered to children in 2020 largely mirrored 2019 trends for the months of January and February. In March 2020, a notable gap developed, which persists throughout the period of observation. Unlike some medical services which can be provided via telehealth, immunizations must be administered in person. Totals include diphtheria, tetanus and acellular pertussis (DTaP); polio (IPV); measles, mumps and rubella (MMR); haemophilus influenza type B (HiB); hepatitis B (HepB); chicken pox (VZV); and pneumococcal conjugate (PCV). Represents vaccines included in "Childhood Immunization Status Combination 3", as depicted by NCQA.

Public health spending in Utah

Public health funding per capita by state, 2019

Note: State dollars dedicated to public health and federal dollars directed to states per person by the Centers for Disease Control and Prevention and the Health Resources & Services Administration (2-year estimate).
One big, happy family

Multigenerational households, 2014–2018
Percent of total households

Source: American Community Survey 2018 5-Year Estimates
Moving next door

Current Utah residents who lived in a different western state one year ago, 2019
58,221 new residents (61%) are from the highlighted states

Sources: U.S. Census Bureau, 2019 1-Year American Community Survey Estimates
Utah’s melting pot

Place of birth for Utah residents, 2019

Note: Areas shown have at least 20,000 Utahns born there.
Source: U.S. Census Bureau, 2019 1-Year Estimates
To everything there is a season

Seasonal births and deaths indexes for Utah and six largest counties, 2001–2017

Note: An index over 100 indicates more births or deaths occur in that month on average, and vice versa. See Wilson, T., McDonald, P., & Temple, J. (2020). The geographical patterns of birth seasonality in Australia. Demographic Research, 43(40), 1185–1198.

Sources: Kem C. Gardner Policy Institute, Utah Department of Health
Utah County...baby county

Natural increase in Salt Lake County and Utah County, 2010–2020

Source: Utah Population Committee, 2020
Utah County on the rise

Net migration as a share of population change, 2020

- Utah County, 42%
- Washington County, 26%
- Salt Lake County, 12%
- Tooele County, 5%
- Iron County, 4%
- Rest of Utah, 11%

Source: Utah Population Committee, 2020
Live here, work there

Utah commuting data, 2018

Top 10 Commuting Counties

<table>
<thead>
<tr>
<th>County</th>
<th>Workforce</th>
<th>Outbound Commuters</th>
<th>Percent of Workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>Morgan</td>
<td>5,291</td>
<td>4,108</td>
<td>77.60%</td>
</tr>
<tr>
<td>Tooele</td>
<td>32,459</td>
<td>24,199</td>
<td>74.60%</td>
</tr>
<tr>
<td>Wasatch</td>
<td>15,985</td>
<td>11,399</td>
<td>71.30%</td>
</tr>
<tr>
<td>Rich</td>
<td>781</td>
<td>504</td>
<td>64.50%</td>
</tr>
<tr>
<td>Davis</td>
<td>150,699</td>
<td>95,330</td>
<td>63.30%</td>
</tr>
<tr>
<td>Piute</td>
<td>436</td>
<td>276</td>
<td>63.30%</td>
</tr>
<tr>
<td>Daggett</td>
<td>346</td>
<td>210</td>
<td>60.70%</td>
</tr>
<tr>
<td>Box Elder</td>
<td>27,135</td>
<td>16,051</td>
<td>59.20%</td>
</tr>
<tr>
<td>Juab</td>
<td>4,759</td>
<td>2,786</td>
<td>58.50%</td>
</tr>
<tr>
<td>Summit</td>
<td>21,904</td>
<td>11,829</td>
<td>54.00%</td>
</tr>
</tbody>
</table>

Top 10 Live & Work Counties

<table>
<thead>
<tr>
<th>County</th>
<th>Workforce</th>
<th>Outbound Commuters</th>
<th>Percent of Workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salt Lake</td>
<td>570,377</td>
<td>93,138</td>
<td>16.30%</td>
</tr>
<tr>
<td>Washington</td>
<td>64,412</td>
<td>13,904</td>
<td>21.60%</td>
</tr>
<tr>
<td>Grand</td>
<td>5,600</td>
<td>1,361</td>
<td>24.30%</td>
</tr>
<tr>
<td>San Juan</td>
<td>4,213</td>
<td>1,273</td>
<td>30.20%</td>
</tr>
<tr>
<td>Kane</td>
<td>3,280</td>
<td>1,187</td>
<td>36.20%</td>
</tr>
<tr>
<td>Utah</td>
<td>267,633</td>
<td>97,104</td>
<td>36.30%</td>
</tr>
<tr>
<td>Millard</td>
<td>5,402</td>
<td>1,990</td>
<td>36.80%</td>
</tr>
<tr>
<td>Beaver</td>
<td>2,383</td>
<td>881</td>
<td>37.00%</td>
</tr>
<tr>
<td>Cache</td>
<td>60,911</td>
<td>22,844</td>
<td>37.50%</td>
</tr>
<tr>
<td>Garfield</td>
<td>984</td>
<td>374</td>
<td>38.00%</td>
</tr>
</tbody>
</table>

Source: U.S. Census Bureau, OnTheMap, 2018 American Community Survey
But after COVID, commutes changed

**COVID-19 Telework: Top-10 states**

- **District of Columbia**: 66%
- **Utah**: 50%
- **Massachusetts**: 48%
- **Colorado**: 47%
- **Maryland**: 46%
- **Connecticut**: 45%
- **New Jersey**: 44%
- **Vermont**: 44%
- **Virginia**: 43%
- **Illinois**: 43%

Note: Top 10 percentages of adults living in households where at least one adult has substituted some or all of their typical in-person work for telework because of the coronavirus pandemic.
Top-10 self-response rates by state for 2020 Census
Utah ranked 10th of all states with 71% of Utahns self-responding to the 2020 Census

Nationally, 67% of people self-responded to the 2020 Census. Utahns beat that.

Source: U.S. Census Bureau, Response Rates as of October 28, 2020
The whole point

Accurate data and information
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