



Public Health Indicator Based Information

System (IBIS)



Utah's Public Health Data Resource

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Complete Health Indicator Report of Birth Rates

Definition

Number of live births per 1,000 population.

Numerator

Number of live births.

Denominator

Number of persons in population.

Why Is This Important?

Tracking birth rate patterns among Utah and U.S. women as a whole is critical to understanding population growth and change in this country and in Utah. Birth rates directly relate to a population's need for timely and appropriate preconception, prenatal, neonatal, and postpartum care.

How Are We Doing?

In 2020, there were 45,724 live births to Utah residents, a rate of 14.1 per 1,000 Utahns. This is a small decrease from the 2019 birth rate of 14.6, and ultimately, the lowest birth rate in a decade.

How Do We Compare With the U.S.?

Utah continued to report a higher birth rate than the U.S., with 14.1 live births per 1,000 total population in 2020. The provisional U.S. birth rate in 2020 was 10.9 per 1,000 population, a decrease from the 2019 rate of 11.4.

What Is Being Done?

Having an overall high birth rate is not a risk factor for poor health outcomes. However, elevated teen pregnancy rates are a concern as these pregnancies are considered to be at higher risk.

The U.S. final birth rate for teenagers in 2020 was 15.4 births per 1,000 females aged 15-19, down 8% from 2019 (16.7), reaching another record low for this age group.

The Utah teen birth rate for those 15 through 19 years also decreased to a rate of 10.7 in 2020. A variety of educational and prevention activities are targeted to decrease teen birth rates.

Available Services

Access to family planning services are available in Utah from several

sources: community health centers, Planned Parenthood Association of Utah, Family Planning Elevated, and private providers. Utah law requires parental consent for unmarried minors to obtain contraception information and services from community health centers and clinics.

A 2018 Utah law allows pharmacies to dispense three types of contraception - pills, patch, or ring - through a statewide standing order issued by the Utah Department of Health. People 18 years and older can go to any participating pharmacy to receive their pills, patch, or ring directly from the pharmacist. For more information and to see a list of participating pharmacies see <https://mihp.utah.gov/birthcontrol>.

Preconception and interpregnancy health information is available from the Utah Department of Health. <http://www.poweryourlife.org/>

Follow Power Your Life on:

Facebook: <https://www.facebook.com/poweryourlifeut>

Instagram: <https://www.instagram.com/poweryourlifeut/>

Related Indicators

Related Relevant Population Characteristics Indicators:

- [Adolescent Births](#)
- [General Fertility Rate](#)
- [Utah Population Characteristics: Racial and Ethnic Composition of the Population](#)
- [Sex Ratio at Birth](#)
- [Births from Unintended Pregnancies](#)

Health Care System Factors

Access to family planning services are available in Utah from several sources: community health centers, Planned Parenthood Association of Utah clinic and private providers. Utah law requires parental consent for unmarried minors to obtain contraception information and services from community health centers and clinics.

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Related Health Care System Factors Indicators:

- [Adolescent Births](#)

- General Fertility Rate
- Newborn Hearing Screening
- Newborn Heelstick Screening
- Prenatal Care
- Births from Unintended Pregnancies

Related Risk Factors Indicators:

- Adolescent Births
- Diabetes: Gestational Diabetes
- Domestic Violence During the Perinatal Time Period
- Obesity in Pregnancy
- Smoking in the Third Trimester of Pregnancy

Health Status Outcomes

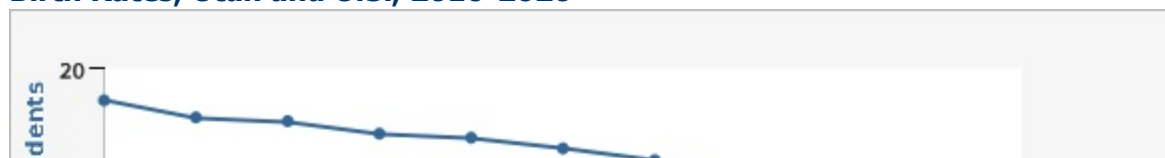
Interpregnancy spacing, the timing between a live birth and the next pregnancy, can have a risk of pregnancy complications, such as preterm birth, low birthweight, and small for gestational age. Research has shown that short intervals (less than 18 months) and long intervals (60+ months) were associated with higher risks of negative health outcomes for mother and baby.

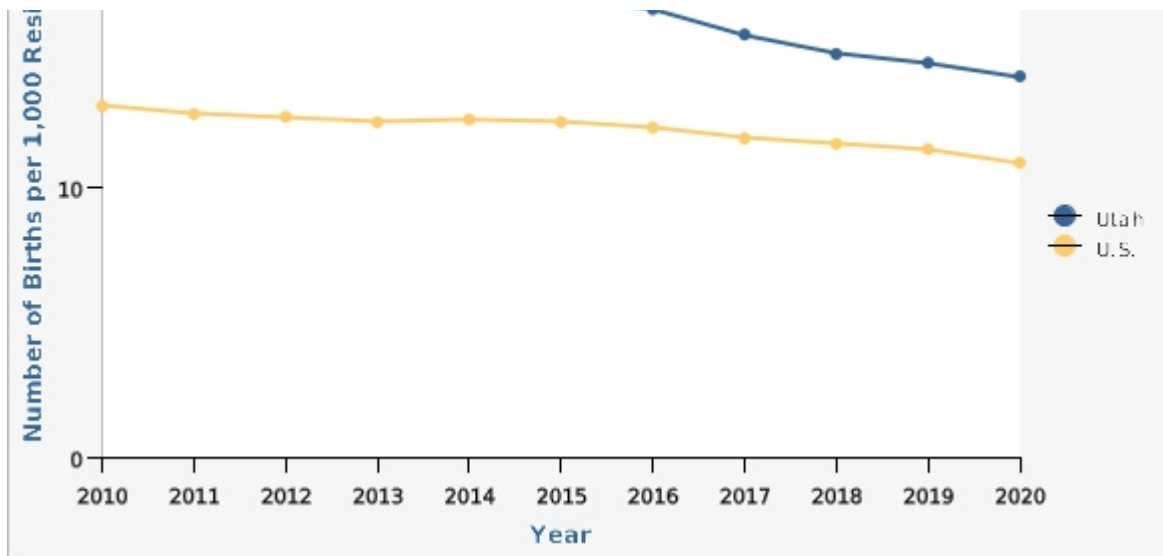
Related Health Status Outcomes Indicators:

- Adolescent Births
- Birth Defects: Overall
- Birth Defects: Infant Mortality
- Cesarean Delivery among Low Risk Women
- Diabetes: Gestational Diabetes
- General Fertility Rate
- Fetal and Perinatal Mortality
- Infant Mortality
- Maternal Mortality
- Obesity in Pregnancy
- Postpartum Depression
- Births from Unintended Pregnancies

Graphical Data Views

Birth Rates, Utah and U.S., 2010-2020





<u>Utah vs. U.S.</u>	<u>Year</u>	<u>Number of Births per 1,000 Residents</u>	<u>Lower Limit</u>	<u>Upper Limit</u>
Utah	2010	18.8	18.6	19.0
Utah	2011	18.2	18.0	18.3
Utah	2012	18.0	18.9	18.2
Utah	2013	17.6	17.4	17.7
Utah	2014	17.4	17.3	17.6
Utah	2015	17.0	16.9	17.2
Utah	2016	16.6	16.4	16.7
Utah	2017	15.6	15.5	15.8
Utah	2018	14.9	14.8	15.1
Utah	2019	14.6	14.5	14.7
Utah	2020	14.1	13.9	14.2
U.S.	2010	13.0		
U.S.	2011	12.7		
U.S.	2012	12.6		
U.S.	2013	12.4		
U.S.	2014	12.5		
U.S.	2015	12.4		
U.S.	2016	12.2		
Utah vs. U.S.	2017	11.6		
Utah vs. U.S.	2018	11.6		

U.S.	2019
U.S.	2019
U.S.	2020

11.3
11.4
10.9

Record Count: 22

Record Count: 22

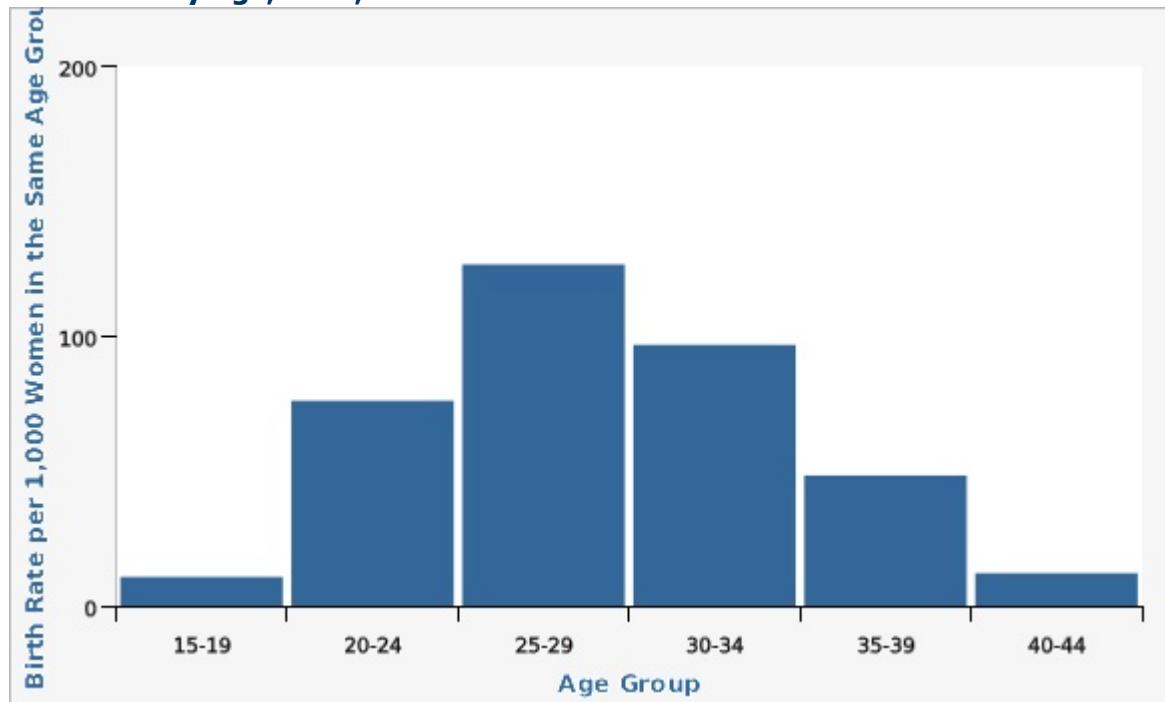
Data Notes

U.S. Provisional 2020 data. Utah's birth rate for 2020 is from the final data.

Data Sources

- U.S. Centers for Disease Control and Prevention, on-line data - CDC WONDER
- Population Estimates: National Center for Health Statistics (NCHS) through a collaborative agreement with the U.S. Census Bureau, IBIS Version 2020
- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health
- National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

Birth Rate by Age, Utah, 2020



<u>Age Group</u>	<u>Birth Rate per 1,000 Women in the Same Age Group</u>	<u>Lower Limit</u>	<u>Upper Limit</u>
15-19	10.7	10.2	11.3
20-24	76.0	74.4	77.6

25-29	126.5	124.5	Record Count: 6 128.4
30-34	96.7	95.0	98.5
35-39	48.3	47.1	49.6
40-44	12.1	11.5	12.8

Record Count: 6

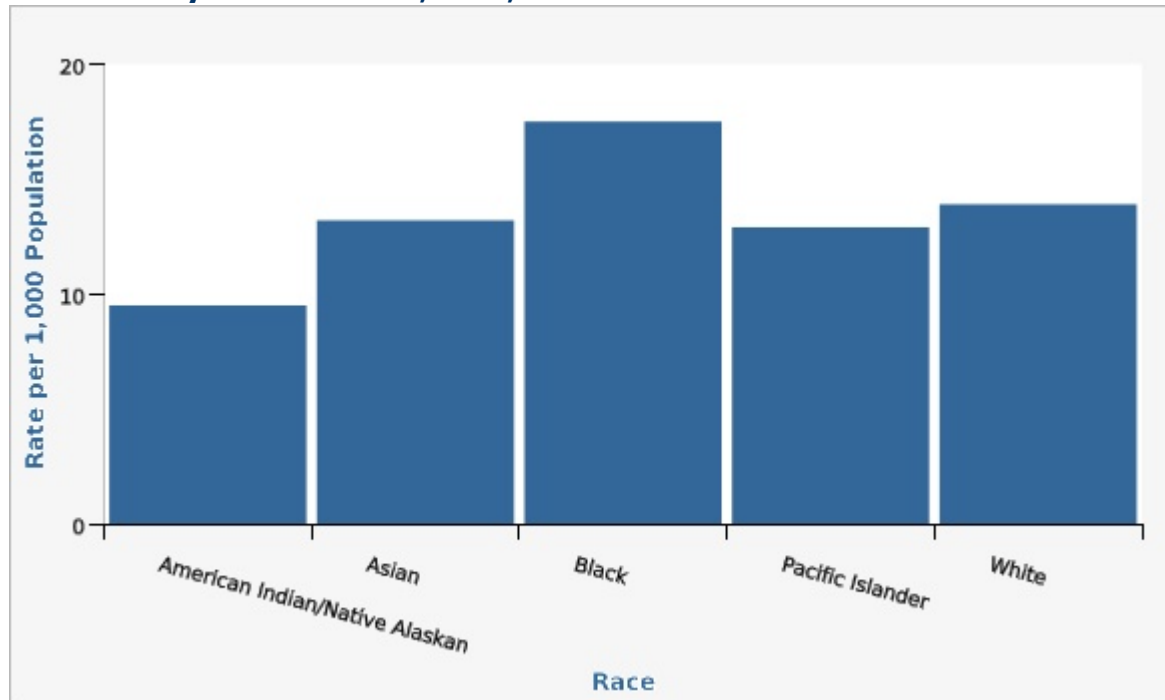
Data Notes

An age-specific birth rate is the number of births to women in a certain age group per 1,000 women in the same age group (e.g., births to adolescent mothers per 1,000 adolescent girls of the same age group in the Utah population).

Data Sources

- Population Estimates: National Center for Health Statistics (NCHS) through a collaborative agreement with the U.S. Census Bureau, IBIS Version 2020
- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health

Birth Rate by Mother's Race, Utah, 2020



<u>Race</u>	<u>Rate per 1,000 Population</u>	<u>Lower Limit</u>	<u>Upper Limit</u>
American Indian/Native Alaskan	9.5	8.6	10.9
Black	18.0	16.5	19.5
Pacific Islander	13.5	12.5	14.5
White	14.5	13.5	15.5

Record Count: 5

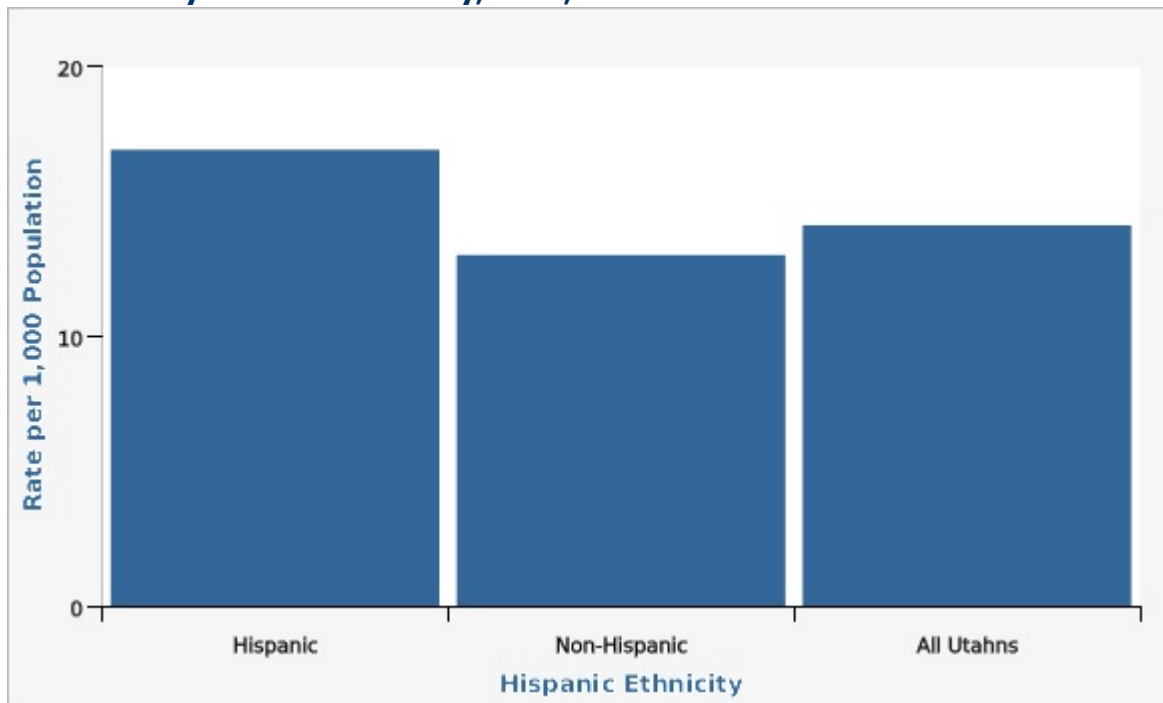
Asian	13.2	12.5	14.0
Black	17.5	16.4	18.7
Pacific Islander	12.9	11.8	14.1
White	13.9	13.7	14.0

Record Count: 5

Data Sources

- Population Estimates: National Center for Health Statistics (NCHS) through a collaborative agreement with the U.S. Census Bureau, IBIS Version 2020
- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health

Birth Rate by Mother's Ethnicity, Utah, 2020



<u>Hispanic Ethnicity</u>	<u>Rate per 1,000 Population</u>	<u>Lower Limit</u>	<u>Upper Limit</u>
Hispanic	16.9	14.6	17.3
Non-Hispanic	13.0	12.9	13.1
All Utahns	14.1	13.9	14.2

Record Count: 3

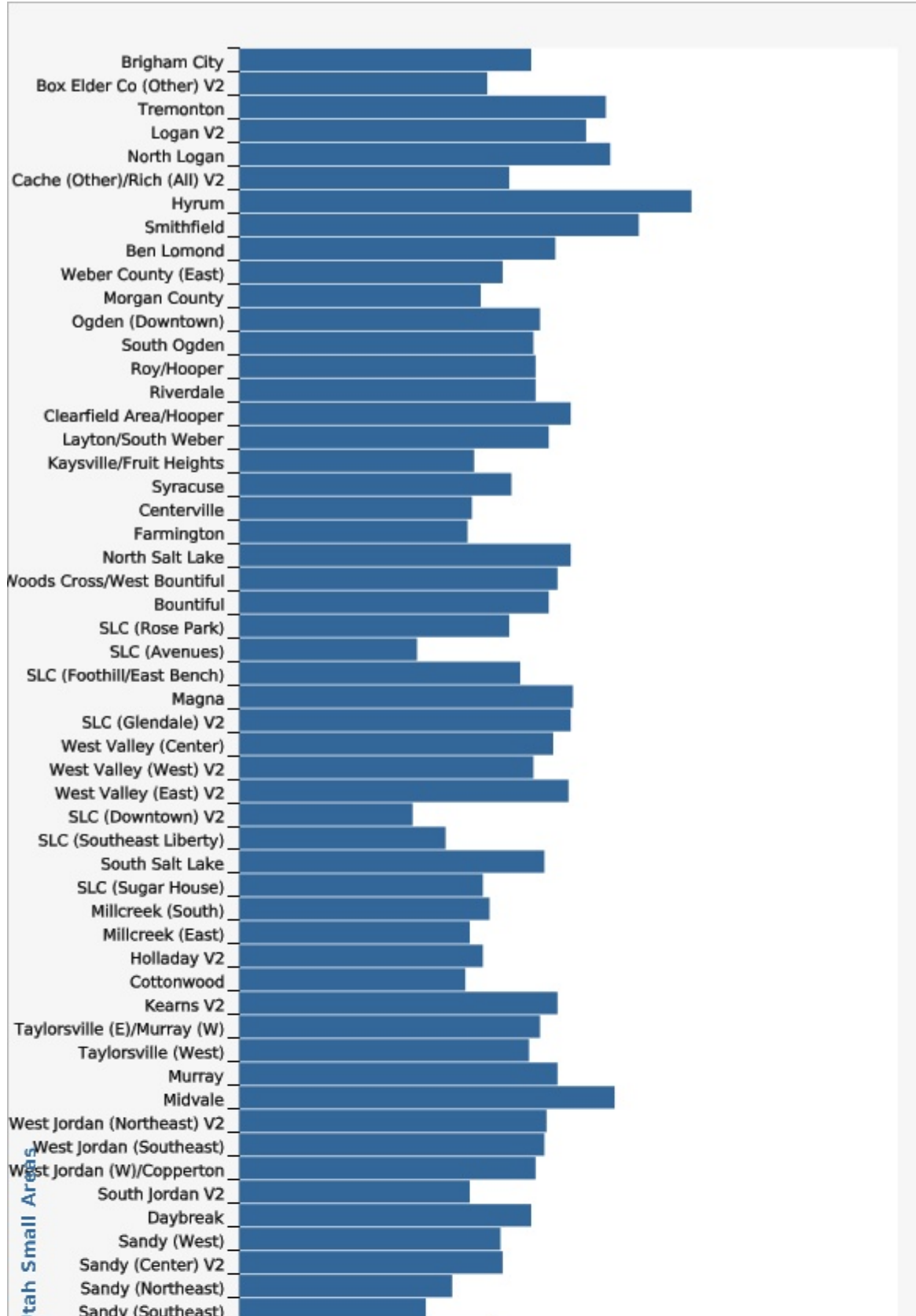
Data Sources

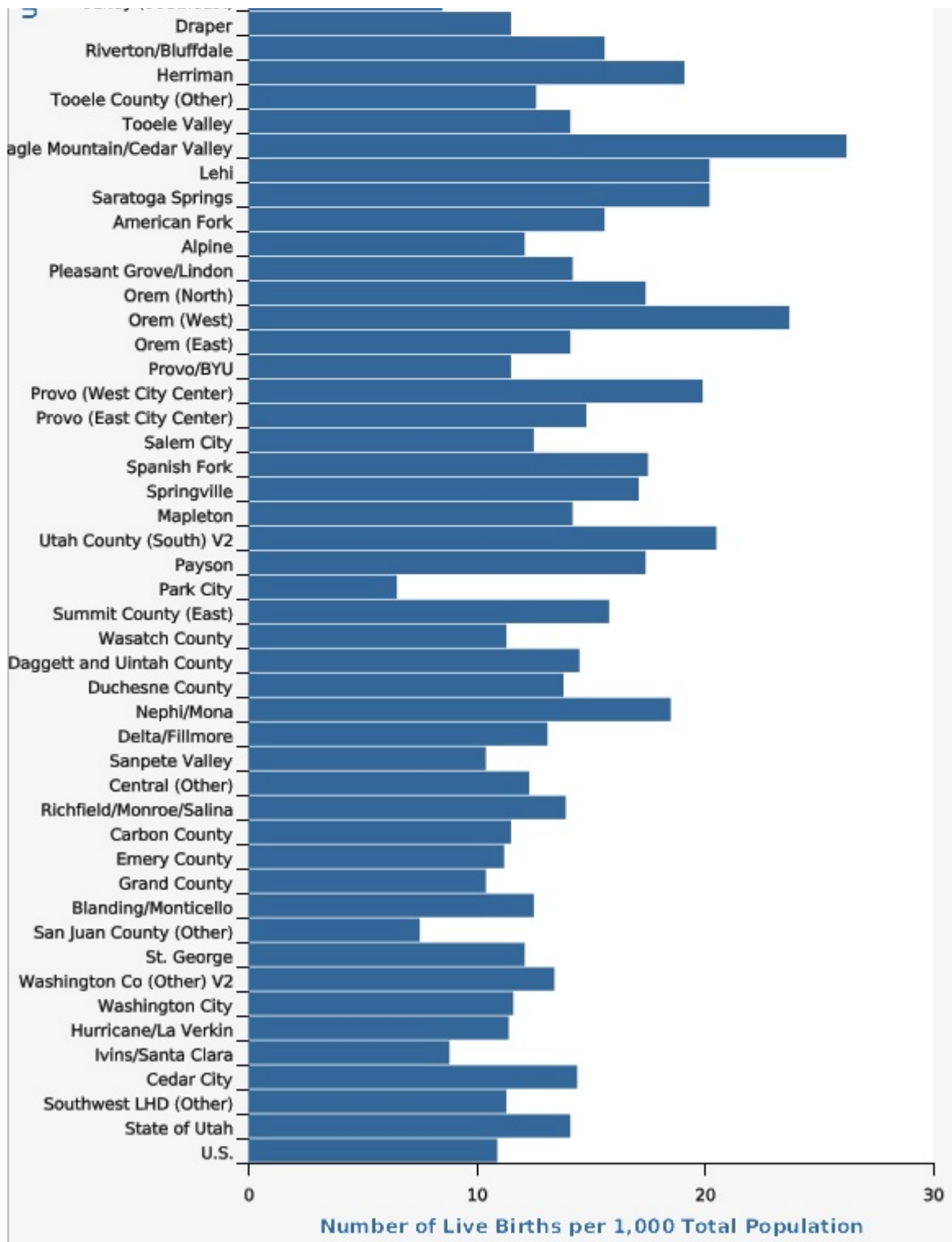
- Population Estimates: National Center for Health Statistics (NCHS) through a collaborative agreement with the U.S. Census Bureau, IBIS

Version 2020

- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health

Birth Rates by Utah Small Area, 2020





<u>Utah Small Areas</u>	<u>Number of Live Births per 1,000 Total Population</u>	<u>Lower Limit</u>	<u>Upper Limit</u>
<u>Brigham City</u>	13.3	12.0	14.8
<u>Utah Small Areas (Other) V2</u>	13.3	12.0	14.8

		<i>Record Count: 101</i>	
Tremonton	16.7	14.8	18.7
Logan V2	15.8	14.8	16.8
North Logan	16.9	15.3	18.6
Cache (Other)/Rich (All) V2	12.3	10.9	13.7
Hyrum	20.6	17.8	23.7
Smithfield	18.2	16.0	20.5
Ben Lomond	14.4	13.4	15.3
Weber County (East)	12.0	10.9	13.2
Morgan County	11.0	9.2	13.0
Ogden (Downtown)	13.7	12.7	14.9
South Ogden	13.4	12.3	14.7
Roy/Hooper	13.5	12.5	14.6
Riverdale	13.5	12.2	15.0
Clearfield Area/Hooper	15.1	14.2	16.0
Layton/South Weber	14.1	13.3	14.9
Kaysville/Fruit Heights	10.7	9.7	11.8
Syracuse	12.4	11.2	13.7
Centerville	10.6	9.2	12.2
Farmington	10.4	9.2	11.8
North Salt Lake	15.1	13.5	16.8
Woods Cross/West Bountiful	14.5	12.7	16.6
Bountiful	14.1	13.0	15.2
SLC (Rose Park)	12.3	11.2	13.4
SLC (Avenues)	8.1	7.0	9.4
SLC (Foothill/East Bench)	12.8	11.3	14.4
Magna	15.2	13.8	16.7
SLC (Glendale) V2	Number of	13.6	16.7
West Valley (Center)	Live Births	13.3	15.4
West Valley (West) V2	per 1,000		
Utah Small Areas	Total	Lower	Upper
West Valley (East) V2	Population	Limit	Limit
	15.0	12.0	16.1

	2020	2019	Record Count: 101
SLC (Downtown) V2	7.9	7.1	8.8
SLC (Southeast Liberty)	9.4	8.2	10.8
South Salt Lake	13.9	12.5	15.4
SLC (Sugar House)	11.1	10.0	12.2
Millcreek (South)	11.4	10.0	13.0
Millcreek (East)	10.5	9.2	11.8
Holladay V2	11.1	9.9	12.5
Cottonwood	10.3	9.3	11.3
Kearns V2	14.5	13.4	15.7
Taylorsville (E)/Murray (W)	13.7	12.5	14.9
Taylorsville (West)	13.2	12.0	14.4
Murray	14.5	13.2	15.8
Midvale	17.1	15.8	18.6
West Jordan (Northeast) V2	14.0	12.7	15.4
West Jordan (Southeast)	13.9	12.7	15.1
West Jordan (W)/Copperton	13.5	12.5	14.5
South Jordan V2	10.5	9.5	11.5
Daybreak	13.3	12.2	14.5
Sandy (West)	11.9	10.7	13.2
Sandy (Center) V2	12.0	10.8	13.3
Sandy (Northeast)	9.7	8.5	11.1
Sandy (Southeast)	8.5	7.5	9.6
Draper	11.5	10.6	12.5
Riverton/Bluffdale	15.6	14.5	16.8
Herriman	19.1	18.0	20.2
Tooele County (Other)	12.6	11.0	14.3
Tooele Valley	14.1	13.1	15.1
Eagle Mountain/Cedar Valley	20.2	24.6	27.8
Utah Small Areas	12.6	11.0	14.3
	Number of Live Births per 1,000 Total Population	Lower Limit	Upper Limit

	20.2	19.2	21.3
Lehi		<i>Record Count: 46</i>	
Saratoga Springs	20.2	18.7	21.7
American Fork	15.6	14.5	16.7
Alpine	12.1	10.1	14.4
Pleasant Grove/Lindon	14.2	13.3	15.2
Orem (North)	17.4	16.1	18.7
Orem (West)	23.7	22.3	25.2
Orem (East)	14.1	12.6	15.7
Provo/BYU	11.5	10.6	12.5
Provo (West City Center)	19.9	18.5	21.5
Provo (East City Center)	14.8	13.5	16.1
Salem City	12.5	10.5	14.9
Spanish Fork	17.5	16.3	18.7
Springville	17.1	15.8	18.6
Mapleton	14.2	12.0	16.6
Utah County (South) V2	20.5	18.3	22.8
Payson	17.4	15.8	19.0
Park City	6.5	5.6	7.5
Summit County (East)	15.8	13.6	18.2
Wasatch County	11.3	10.3	12.5
Daggett and Uintah County	14.5	13.3	15.8
Duchesne County	13.8	12.2	15.5
Nephi/Mona	18.5	15.9	21.3
Delta/Fillmore	13.1	11.0	15.5
Sanpete Valley	10.4	9.1	11.8
Central (Other)	12.3	11.0	13.8
Richfield/Monroe/Salina	13.9	12.1	15.9
Carbon County	11.5	10.1	13.0
Emery County	<u>Number of Live Births</u>	9.3	13.5
Grand County	<u>per 1,000</u>	8.5	12.6
Blanding/Monticello Utah Small Areas	<u>Total Population</u>	<u>Lower Limit</u>	<u>Upper Limit</u>
	12.5	10.1	15.2

San Juan County (Other)	7.5	5.7	Record Count: 9.8
St. George	12.1	11.4	12.8
Washington Co (Other)	13.4	11.3	15.7
V2			
Washington City	11.6	10.4	12.9
Hurricane/La Verkin	11.4	10.2	12.7
Ivins/Santa Clara	8.8	7.5	10.3
Cedar City	14.4	13.4	15.5
Southwest LHD (Other)	11.3	10.0	12.6
State of Utah	14.1	13.9	14.2
U.S.	10.9		

Record Count: 101

Data Notes

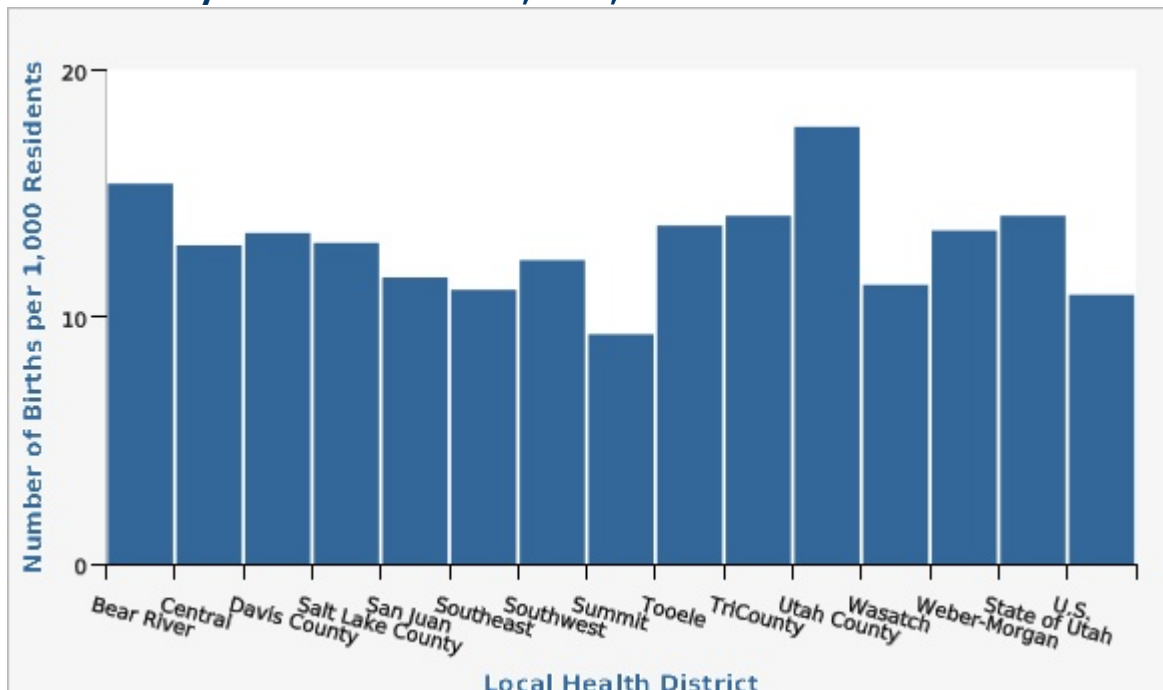
To get more information on Utah Small Area definitions, go to <http://ibis.health.utah.gov/pdf/resource/UtahSmallAreaInfo.pdf>.

U.S. Provisional 2020 data are the latest available.

Data Sources

- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health
- National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

Birth Rates by Local Health District, Utah, 2020



<u>Local Health District</u>	<u>Number of Births per 1,000 Residents</u>	<u>Lower Limit</u>	<u>Upper Limit</u>	<u>Note</u>
Bear River	15.4	14.8	16.0	
Central	12.9	12.1	13.7	
Davis County	13.4	13.1	13.8	
Salt Lake County	13.0	12.8	13.2	
San Juan	11.6	9.9	13.4	
Southeast	11.1	10.1	12.2	
Southwest	12.3	11.9	12.7	
Summit	9.3	8.4	10.3	
Tooele	13.7	12.9	14.6	
TriCounty	14.1	13.1	15.1	
Utah County	17.7	17.4	18.1	
Wasatch	11.3	10.2	12.4	
Weber-Morgan	13.5	13.1	13.9	
State of Utah	14.1	13.1	13.9	
U.S.	10.9			2020 Provisional Data <i>Record Count: 15</i>

Data Notes

U.S. Provisional 2020 data are the latest available.

Data Sources

- Population Estimates: National Center for Health Statistics (NCHS) through a collaborative agreement with the U.S. Census Bureau, IBIS Version 2020
- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health
- National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

References and Community Resources

Martin JA, Hamilton BE, Osterman MJK. Births in the United States, 2020. NCHS Data Brief, no 418. Hyattsville, MD: National Center for Health Statistics. 2021. DOI: <https://dx.doi.org/10.15620/cdc:109213>.

Hanley GE, Hutcheon JA, Kinniburgh BA, and Lee K. Interpregnancy Interval and Adverse Pregnancy Outcomes An Analysis of Successive Pregnancies. *Obstetrics & Gynecology*; vol 129 no 3. 2017. Accessed at <https://beforeandbeyond.org/wp-content/uploads/2017/01/SIPI-and-Longitudinal-Adverse-Preg-Outcomes-Hanley-2017.pdf> on 11/4/2019.

More Resources and Links

Evidence-based community health improvement ideas and interventions may be found at the following sites:

- [The Guide to Community Preventive Services](#)
- [Healthy People Website](#)

Additional indicator data by state and county may be found on these Websites:

- [CDC Prevention Status Reports for all 50 states](#)
- [County Health Rankings](#)
- Kaiser Family Foundation's [StateHealthFacts.org](#)
- CDC WONDER [DATA2010](#), the Healthy People 2010 Database.

Medical literature can be queried at the [PubMed](#) website.

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