



Public Health Indicator Based Information System (IBIS)

Utah's Public Health Data Resource

Path: [IBIS-PH](#) » [health indicators](#) » [index](#) » [report](#)

Complete Health Indicator Report of Adolescent Births

Definition

The adolescent birth rate is reported as the number of live births per 1,000 adolescent females aged 15-19.

Numerator

The number of live births to adolescent mothers aged 15-19.

Denominator

The number of adolescent females in the population.

Data Interpretation Issues

The adolescent birth rate does not include abortions or miscarriages, and is an underestimate of the adolescent pregnancy rate.

Why Is This Important?

Research indicates that bearing a child during adolescence is associated with long-term difficulties for the mother, her child, and society. These consequences are often attributable to poverty and other adverse socioeconomic circumstances that frequently accompany early childbearing.

Compared to babies born to older mothers, babies born to adolescent mothers, particularly young adolescent mothers, are at higher risk of low birth weight and infant mortality. These babies are more likely to grow up in homes that offer lower levels of emotional support and cognitive stimulation, and they are less likely to earn a high school diploma. For mothers, giving birth during adolescence is associated with limited educational attainment, which in turn can reduce future employment prospects and earning potential.

Other Objectives

Utah's 42 Community Health Indicators

Similar to HP2020 Objective FP-8: Reduce PREGNANCIES among adolescent females.

How Are We Doing?

The teen birth rates per 1,000 females aged 15-19 in Utah, for the past five years were:

2018: 13.1

2019: 12.0

2020: 10.5

2021: 9.2

2022: 8.2

According to the 2021 Pregnancy Risk Assessment Monitoring Survey (PRAMS) data, 39% of Utah teen mothers (age 15-19) reported their pregnancies as mistimed or unwanted. Another 26% reported that they were unsure whether or not they wanted to be pregnant.

How Do We Compare With the U.S.?

The adolescent birth rate in Utah has been lower than the U.S. overall rate over the past decade but is higher than

The adolescent birth rate in Utah has been lower than the U.S. overall rate over the past decade but is higher than in several other states. Utah and U.S. adolescent birth rates per 1,000 females aged 15-19 for the past five years were:

2018: Utah 13.1/U.S. 17.4

2019: Utah 12.0/U.S. 16.7

2020: Utah 10.5/U.S. 15.4

2021: Utah 9.2/U.S. 13.9

2022: Utah 8.2/U.S. 13.6

What Is Being Done?

Teen Pregnancy Prevention Programs:

The Utah Department of Health and Human Services receives federal funding from the U.S. Department of Health and Human Services, Administration for Children and Families, Family & Youth Services Bureau to provide two programs addressing teen pregnancy prevention in Utah.

The first program is Sexual Risk Avoidance Education (SRAE). Funds for this program must be used to implement evidence-based programs that teach participants to voluntarily refrain from sexual activity; normalize the optimal health behavior of avoiding non-marital sexual activity; and address the social, psychological, and health gains to be realized by refraining from sexual activity and engaging in healthy relationships.

SRAE prioritizes youth ages 10-19 and/or their parents, with a specific focus on youth in the Utah juvenile justice and foster care systems; youth of Hispanic, Black/African American, Pacific Islander, or American Indian origin; and youth residing in rural areas or other disadvantaged geographical areas with teen birth rates higher than the Utah average.

The second program is the Personal Responsibility Education Program (PREP). These funds must be used for evidence-based interventions designed to educate adolescents on both abstinence and contraception to prevent pregnancy and sexually transmitted infections, including HIV/AIDS, and at least three adulthood preparation subjects (healthy relationships, education and career success, healthy life skills, adolescent development, financial literacy, and parent-child communication).

The priority population for PREP in Utah is youth ages 14-19, and their parents, with a specific focus on youth in the Utah Juvenile Justice and foster care systems; pregnant and parenting teens; youth of Hispanic, Black/African American, Pacific Islander, or American Indian origin; and youth residing in rural areas or other disadvantaged geographical areas with teen birth rates higher than the Utah average.

The Utah Department of Health and Human Services (UDHHS) sub-contracts these federal funds to local health departments, community agencies, and tribal entities or governments.

For more information or questions regarding the two programs mentioned above, contact Elizabeth Gerke at 801-273-2870 or egerke@utah.gov.

Evidence-based Practices

The Utah teen pregnancy prevention programs utilize the following evidence-based interventions:

- Choosing the Best
- Families Talking Together
- INcluded
- Get Real
- Making Proud Choices
- Sexual Health and Adolescent Risk Prevention (SHARP)
- Teen Outreach Program (TOP)

Available Services

Youth development programs, resources for health teachers, and/or classes for youth and parents are available in local areas across the state.

For more information, contact Elizabeth Gerke at egerke@utah.gov or 801-273-2870.

Related Indicators

Related Relevant Population Characteristics Indicators:

- Utah Population Characteristics: Age Distribution of the Population
- Births from unintended pregnancies

Related Health Care System Factors Indicators:

- Prenatal care

Risk Factors

Experiencing birth during adolescence can increase a teen's risk of acquiring a sexually-transmitted infection as well as seriously hinder future financial stability due to limited educational attainment.

Related Risk Factors Indicators:

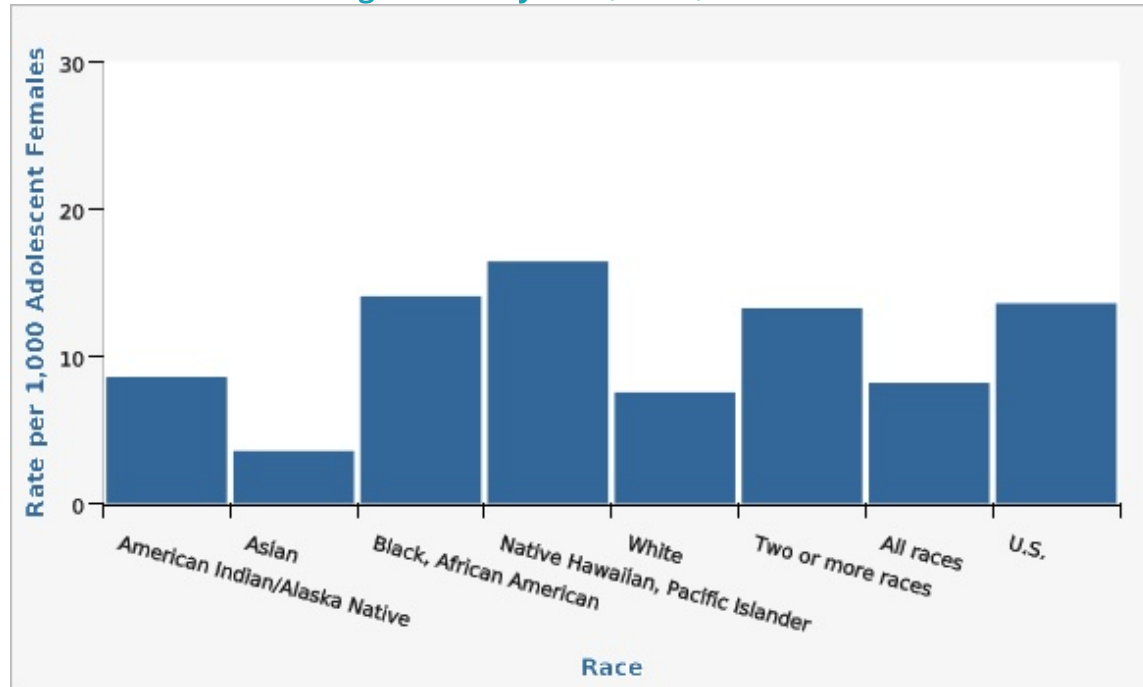
- Chlamydia Cases
- Utah Population Characteristics: Education Level in the Population
- Gonorrhea Cases
- Syphilis Cases - Primary and Secondary

Related Health Status Outcomes Indicators:

- Infant mortality
- Low Birth Weight

Graphical Data Views

Birth Rate for Females Aged 15-19 by Race, Utah, 2022



<u>Race</u>	<u>Rate per 1,000 Adolescent Females</u>	<u>Lower Limit</u>	<u>Upper Limit</u>	<u>Note</u>	<u>Numer-ator</u>	<u>Denom-inator</u>
American Indian/Alaska Native	8.6	5.1	13.6		18	2,094
Asian	3.6	1.7	6.6	*	10	2,802
Black, African American	14.1	9.6	20.0		31	2,202
Native Hawaiian, Pacific Islander	16.4	10.8	23.9		27	1,641
White	7.6	7.1	8.1		906	120,007

Two or more races	13.3	10.4	16.7	72	5,424
All races	8.2	7.7	8.7	1,280	139,963
U.S.	13.6				

Record Count: 8

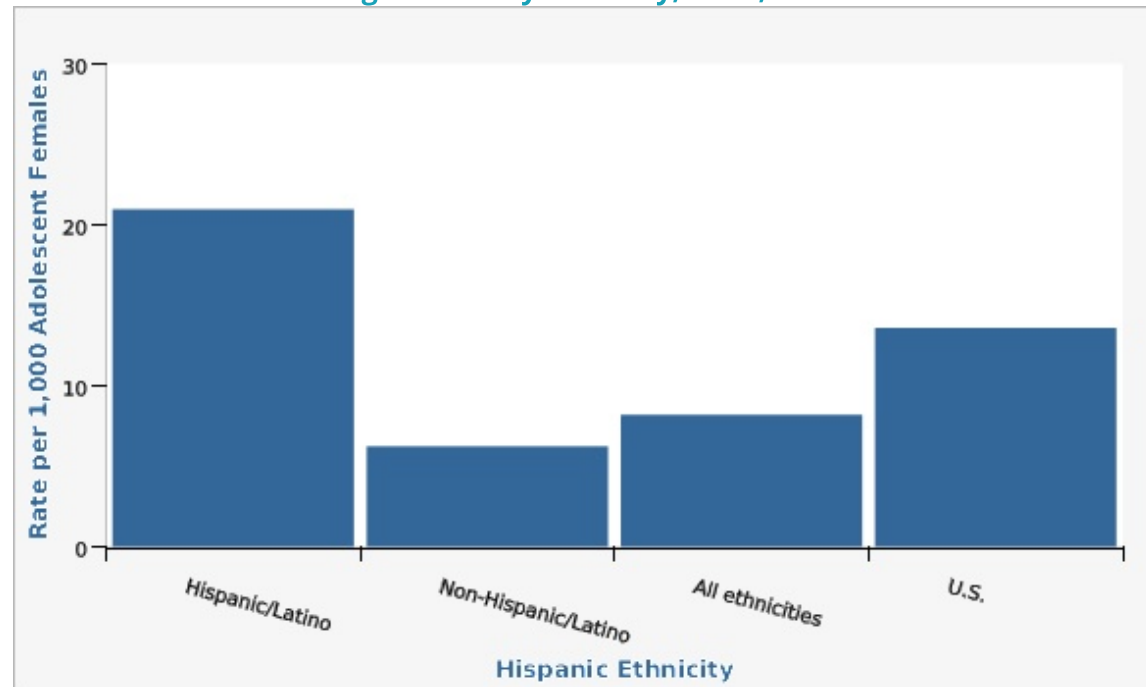
Data Notes

*Use caution in interpreting; the estimate has a coefficient of variation > 30% and is therefore deemed unreliable by Utah Department of Health and Human Services standards.

Data Sources

- Population Estimates by Age, Sex, Race, and Hispanic Origin for Counties in Utah, U.S. Bureau of the Census, IBIS Version 2022
- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health and Human Services
- National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

Birth Rate for Females Aged 15-19 by Ethnicity, Utah, 2022



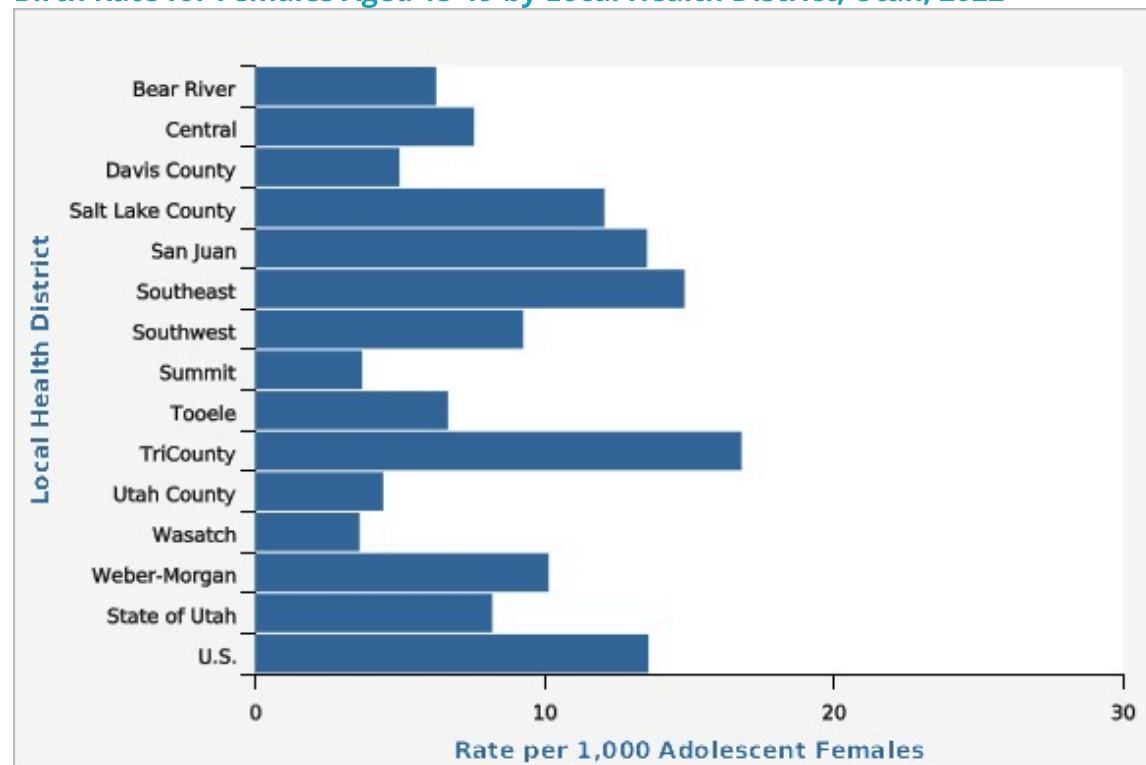
Hispanic Ethnicity	Rate per 1,000 Adolescent Females	Limit	Limit	ator	inator
Hispanic/Latino	21.0	19.2	22.9	503	23,987
Non-Hispanic/Latino	6.2	5.8	6.7	687	110,183
All ethnicities	8.2	7.7	8.7		
U.S.	13.6				

Record Count: 4

Data Sources

- Population Estimates by Age, Sex, Race, and Hispanic Origin for Counties in Utah, U.S. Bureau of the Census, IBIS Version 2022
- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health and Human Services
- National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

Birth Rate for Females Aged 15-19 by Local Health District, Utah, 2022



<u>Local Health District</u>	<u>Rate per 1,000 Adolescent Females</u>	<u>Lower Limit</u>	<u>Upper Limit</u>	<u>Note</u>	<u>Numer-ator</u>	<u>Denom-inator</u>
Bear River	6.3	4.8	8.0		63	10,058
Central	7.6	5.2	10.6		34	4,491
Davis County	5.0	4.0	6.2		84	16,835
Salt Lake County	12.1	11.1	13.2		521	43,125
San Juan	13.6	5.8	26.7	*	8	590
Southeast	14.8	9.5	22.1		24	1,617
Southwest	9.3	7.6	11.1		115	12,404
Summit	3.7	1.4	8.0	*	6	1,623
Tooele	6.7	4.4	9.8		26	3,900
TriCounty	16.8	12.0	23.0		39	2,319
Utah County	4.4	3.8	5.2		165	37,254
Wasatch	3.6	1.3	7.9	*	6	1,662
Weber-Morgan	10.2	8.4	12.2		112	11,036
State of Utah	8.2	7.7	8.7			
U.S.	13.6					

Record Count: 15

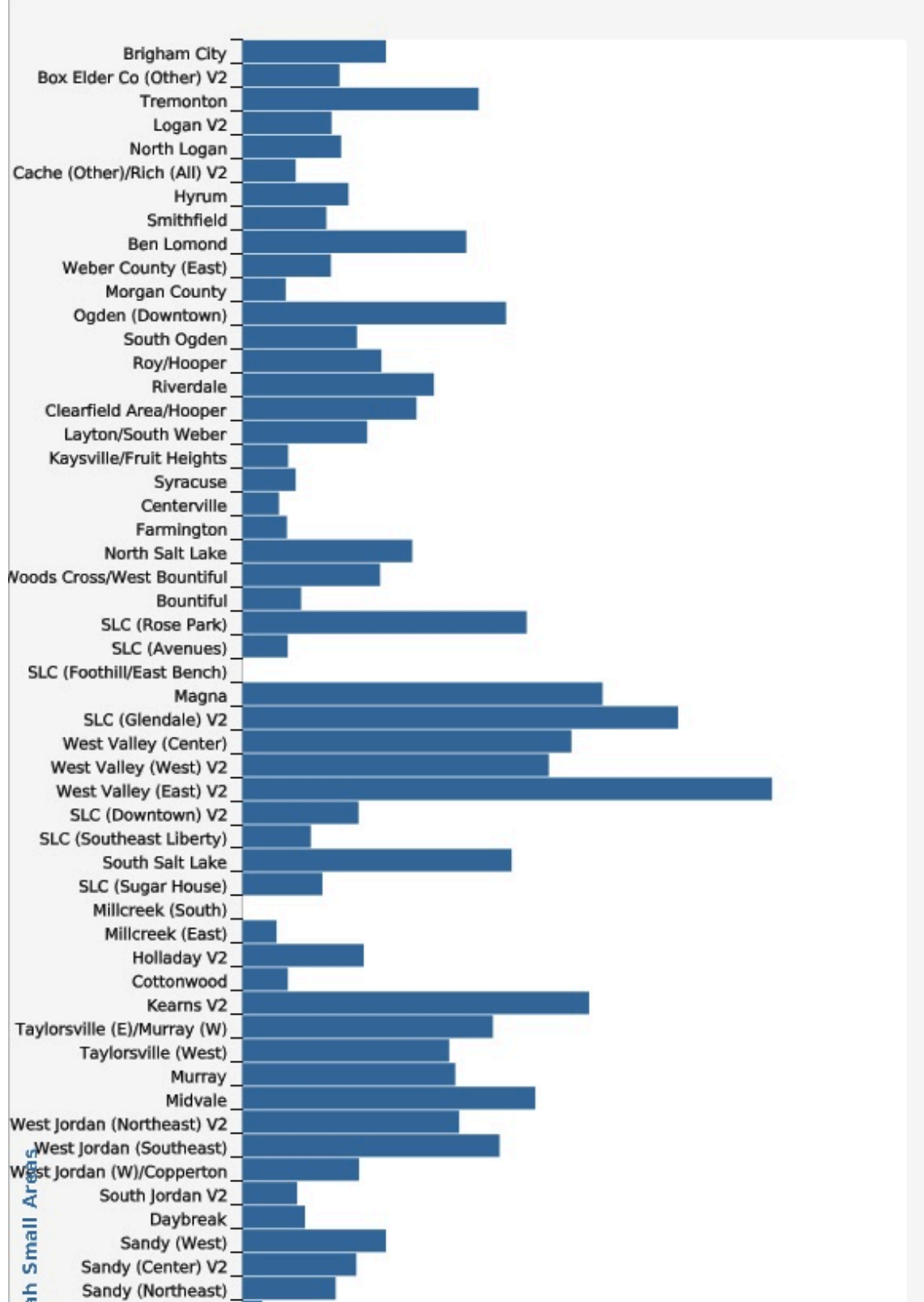
Data Notes

*Use caution in interpreting; the estimate has a coefficient of variation >30% and is therefore deemed unreliable by Utah Department of Health and Human Services standards.

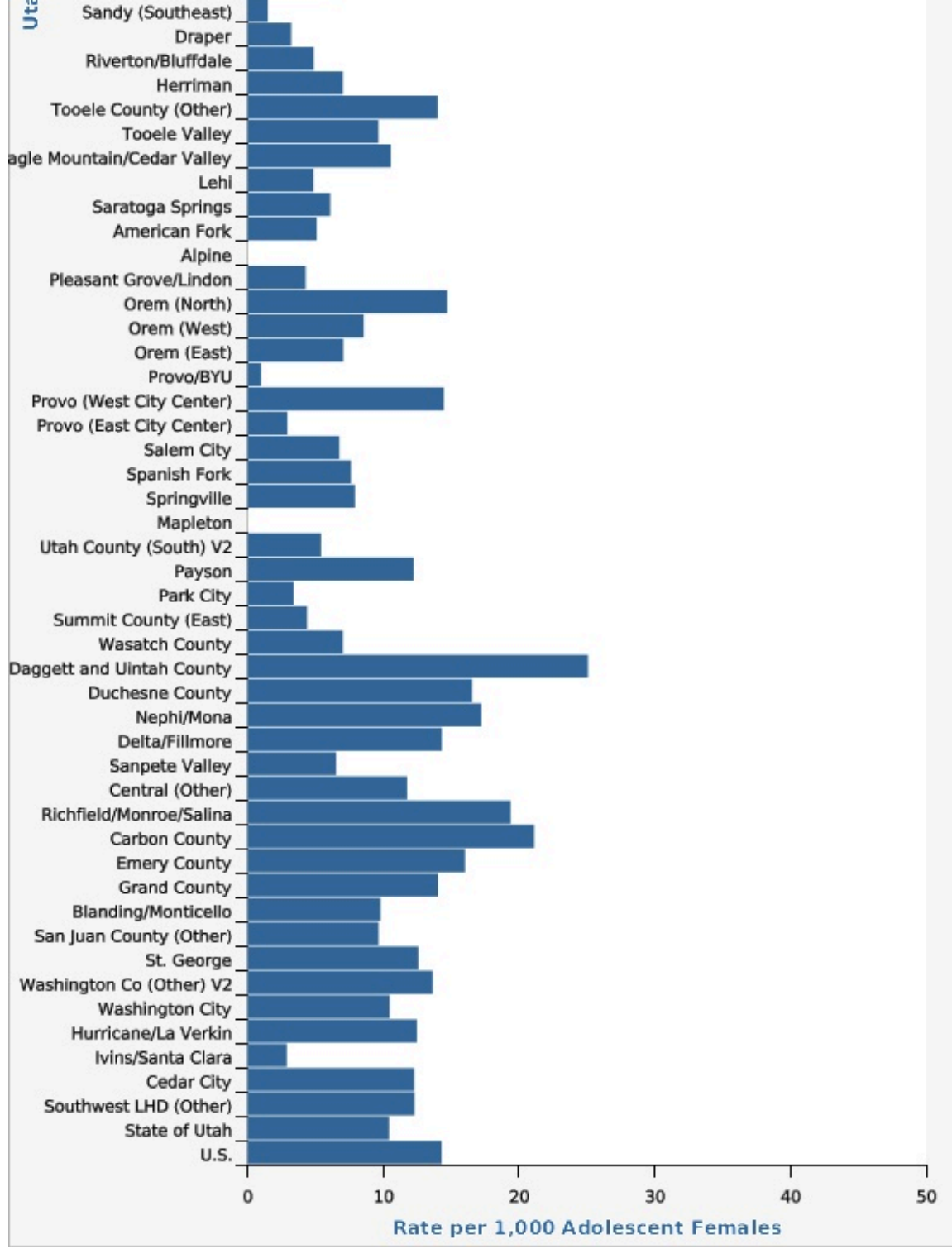
Data Sources

- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health and Human Services
- For years 2020 and later, the population estimates are provided by the Kem C. Gardner Policy Institute, Utah state and county annual population estimates are by single year of age and sex, IBIS Version 2022
- National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

Birth Rate for Females Aged 15-19 by Utah Small Area, 2020-2022



Utah Small Areas



Rate per 1 000 Adolescent

Lower

Upper

Numer. Denom.

SLC (Avenues)	3.4	1.3	7.4	*	6	1,753
SLC (Foothill/East Bench)	**			**		
Magna	27.1	21.7	33.4		87	3,209
SLC (Glendale) V2	32.8	26.3	40.4		88	2,684
West Valley (Center)	24.8	20.8	29.3		137	5,532
West Valley (West) V2	23.1	18.2	28.8		78	3,381
West Valley (East) V2	39.9	34.6	45.7		208	5,218
SLC (Downtown) V2	8.8	6.2	12.0		38	4,341
SLC (Southeast Liberty)	5.2	2.6	9.2	*	11	2,130
South Salt Lake	20.3	14.9	27.0		47	2,319
SLC (Sugar House)	6.0	3.5	9.7		17	2,817
Millcreek (South)	**			**		
Millcreek (East)	2.6	1.0	5.6	*	6	2,324
Holladay V2	9.1	5.4	14.4		18	1,969
Cottonwood	3.4	1.8	6.0		12	3,496
Kearns V2	26.1	21.6	31.3		117	4,483
Taylorsville (E)/Murray (W)	18.9	14.5	24.1		63	3,340
Taylorsville (West)	15.6	11.8	20.1		58	3,724
Murray	16.0	11.8	21.3		48	2,994
Midvale	22.0	17.2	27.9		70	3,174
West Jordan (Northeast) V2	16.3	12.2	21.4		52	3,186
West Jordan (Southeast)	19.4	15.3	24.2		76	3,925
West Jordan (W)/Copperton	8.8	6.7	11.4		57	6,485
South Jordan V2	4.1	2.4	6.5		18	4,361
Daybreak	4.7	2.9	7.2		21	4,452
Sandy (West)	10.8	7.4	15.3		32	2,961
Sandy (Center) V2	8.6	5.4	12.9		23	2,681

City (Center) V2	2019	2020	2021	2022	2023	2024
Sandy (Northeast)	7.0	4.0	11.4		16	2,275
Sandy (Southeast)	1.5	0.5	3.5	*	5	3,342
Draper	3.2	1.9	5.2		17	5,259
Riverton/Bluffdale	4.9	3.2	7.0		28	5,742
Herriman	7.0	5.2	9.2		52	7,398
Tooele County (Other)	14.0	9.4	20.1		29	2,068
Tooele Valley	9.6	7.4	12.3		64	6,632
Eagle Mountain/Cedar Valley	10.6	7.8	13.9		50	4,731
Lehi	4.9	3.4	6.7		37	7,606
Saratoga Springs	6.1	4.0	8.8		28	4,593
American Fork	5.1	3.6	7.1		36	7,058
Alpine	**			**		
Pleasant Grove/Lindon	4.3	2.9	6.1		31	7,231
Orem (North)	14.7	11.2	19.0		60	4,072
Orem (West)	8.6	6.5	11.1		57	6,657
Orem (East)	7.1	4.3	10.9		20	2,834
Provo/BYU	1.0	0.6	1.6		16	15,965
Provo (West City Center)	14.5	10.7	19.2		48	3,319
Provo (East City Center)	2.9	1.8	4.6		19	6,453
Salem City	6.8	3.1	12.8	*	9	1,330
Spanish Fork	7.6	5.5	10.3		42	5,507
Springville	7.9	5.3	11.3		30	3,790
Mapleton	**			**		
Utah County (South) V2	5.4	2.8	9.5		12	2,212
Payson	12.2	8.9	16.5		43	3,514
Park City	3.4	1.6	6.3	*	10	2,939

Summit County (East)	4.4	1.4	10.2	*	5	1,139
Wasatch County	7.0	4.6	10.2		27	3,839
Daggett and Uintah County	25.1	20.3	30.7		94	3,746
Duchesne County	16.6	11.5	23.0		35	2,213
Nephi/Mona	17.2	10.5	26.6		20	1,161
Delta/Fillmore	14.3	8.2	23.3		16	1,117
Sanpete Valley	6.5	4.3	9.5		27	4,135
Central (Other)	11.8	7.8	17.1		27	2,295
Richfield/Monroe/Salina	19.4	13.4	27.2		33	1,702
Carbon County	21.1	15.3	28.5		43	2,035
Emery County	16.0	9.2	26.0		16	998
Grand County	14.0	7.2	24.5		12	855
Blanding/Monticello	9.8	4.5	18.6	*	9	918
San Juan County (Other)	9.7	4.2	19.0	*	8	828
St. George	12.6	10.5	14.9		133	10,566
Washington Co (Other) V2	13.6	7.5	22.9		14	1,026
Washington City	10.5	7.1	15.0		30	2,864
Hurricane/La Verkin	12.5	8.8	17.1		38	3,046
Ivins/Santa Clara	2.9	0.9	6.8	*	5	1,727
Cedar City	12.3	9.8	15.1		88	7,165
Southwest LHD (Other)	12.3	8.4	17.4		31	2,521
State of Utah	10.4	10.1	10.8		3,842	368,378
U.S.	14.3					

Record Count: 101

Data Notes

A description of the Utah Small Areas may be found on IBIS at the following URL:
<https://ibis.health.utah.gov/resource/Guidelines.html>.

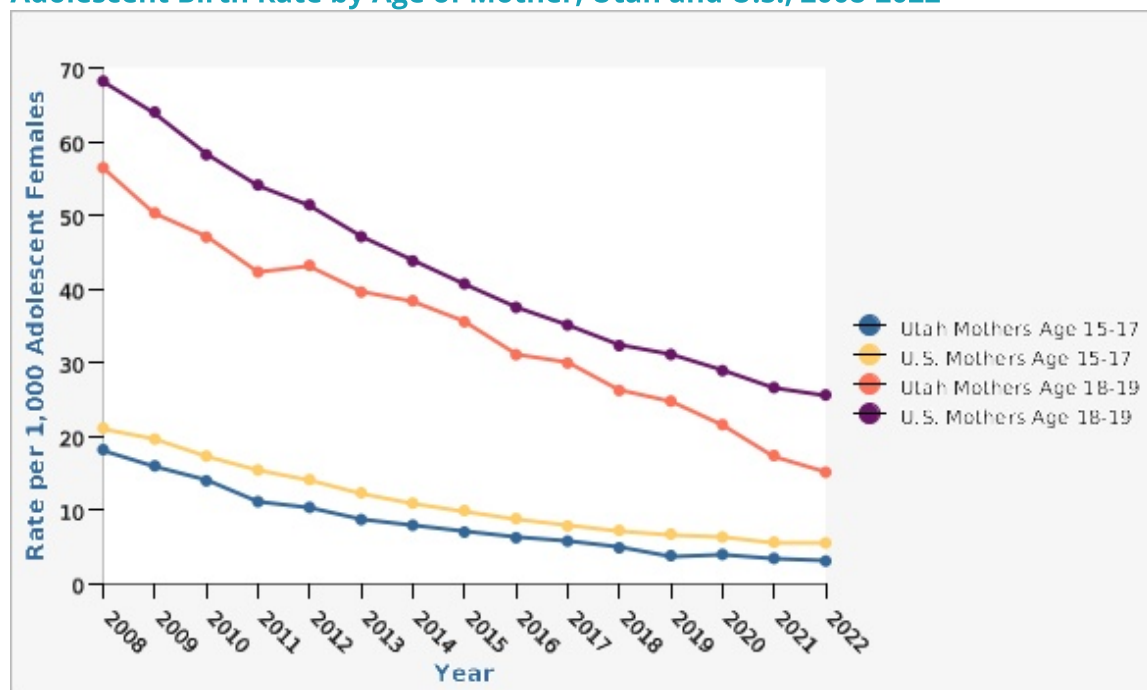
*Use caution in interpreting, the estimate has a coefficient of variation >30% and is therefore deemed unreliable by

**The estimate has been suppressed because 1) the relative standard error is greater than 50% or 2) the observed number of events is very small and not appropriate for publication.

Data Sources

- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health and Human Services
- Population estimates used linear interpolation of U.S. Census Bureau, Kem C. Gardner Policy Institute population estimates, and ESRI ZIP Code data provided annual population estimates for ZIP Code areas by sex and age groups, IBIS Version 2022
- National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

Adolescent Birth Rate by Age of Mother, Utah and U.S., 2008-2022



<u>Age 15-17 vs 18-19, UT & US</u>	<u>Year</u>	<u>Rate per 1,000 Adolescent Females</u>	<u>Lower Limit</u>	<u>Upper Limit</u>	<u>Note</u>	<u>Numerator</u>	<u>Denominator</u>
Utah Mothers Age 15-17	2008	18.2	17.1	19.3			

Utah Mothers Age 15-17	2009	16.0	15.0	17.0			
Utah Mothers Age 15-17	2010	14.0	13.0	14.9			
Utah Mothers Age 15-17	2011	11.1	10.3	12.0			
Utah Mothers Age 15-17	2012	10.3	9.6	11.1			
Utah Mothers Age 15-17	2013	8.7	8.0	9.4			
Utah Mothers Age 15-17	2014	7.9	7.3	8.6			
Utah Mothers Age 15-17	2015	7.0	6.4	7.6			
Utah Mothers Age 15-17	2016	6.2	5.7	6.8			
Utah Mothers Age 15-17	2017	5.7	5.2	6.3			
Utah Mothers Age 15-17	2018	4.9	4.4	5.4			
Utah Mothers Age 15-17	2019	3.8	3.4	4.2			
Utah Mothers Age 15-17	2020	3.9	3.5	4.4			
Utah Mothers Age 15-17	2021	3.4	3.0	3.8			
Utah Mothers Age 15-17	2022	3.0	2.7	3.4		257	84,333
U.S. Mothers Age 15-17	2008	21.1					
U.S. Mothers Age 15-17	2009	19.6					

Utah Mothers Age 18-19	2011		42.3	40.4	44.3			
Utah Mothers Age 18-19	2012		43.2	41.2	45.2			
Utah Mothers Age 18-19	2013		39.6	37.7	41.5			
Utah Mothers Age 18-19	2014		38.4	36.5	40.3			
Utah Mothers Age 18-19	2015		35.5	33.8	37.4			
Utah Mothers Age 18-19	2016		31.0	29.4	32.7			
Utah Mothers Age 18-19	2017		29.9	28.4	31.6			
Utah Mothers Age 18-19	2018		26.2	24.8	27.7			
Utah Mothers Age 18-19	2019		24.8	23.4	26.2			
Utah Mothers Age 18-19	2020		21.6	20.3	22.9			
Utah Mothers Age 18-19	2021		17.4	16.3	18.5		998	57,450
Utah Mothers Age 18-19	2022		15.1	14.2	16.1		946	62,582
U.S. Mothers Age 18-19	2008		68.2					
U.S. Mothers Age 18-19	2009		64.0					
U.S. Mothers Age 18-19	2010		58.2					
U.S. Mothers Age 18-19	2011		54.1					
U.S. Mothers Age 18-19	2012		51.4					

U.S. Mothers Age 18-19	2012	51.4					
U.S. Mothers Age 18-19	2013	47.1					
U.S. Mothers Age 18-19	2014	43.8					
U.S. Mothers Age 18-19	2015	40.7					
U.S. Mothers Age 18-19	2016	37.5					
U.S. Mothers Age 18-19	2017	35.1					
U.S. Mothers Age 18-19	2018	32.3					
U.S. Mothers Age 18-19	2019	31.1					
U.S. Mothers Age 18-19	2020	28.9					
U.S. Mothers Age 18-19	2021	26.6					
U.S. Mothers Age 18-19	2022	25.6			*		

Record Count: 60

Data Notes

*2022 Provisional Data

Data Sources

- Utah Birth Certificate Database, Office of Vital Records and Statistics, Utah Department of Health and Human Services
- For years 2020 and later, the population estimates are provided by the Kem C. Gardner Policy Institute, Utah state and county annual population estimates are by single year of age and sex, IBIS Version 2022
- Population Estimates for 2000-2019: National Center for Health Statistics (NCHS) through a collaborative agreement with the U.S. Census Bureau, IBIS Version 2020
- National Vital Statistics System, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention

References and Community Resources

Utah Department of Health and Human Services

Adolescent Health Program

<https://adolescenthealth.utah.gov/teen-pregnancy-prevention/>

Power to Decide: The Campaign to Prevent Unplanned Pregnancy

<https://powertodecide.org/news/we-are-power-decide>

Center for Disease Control and Prevention, Division of Adolescent and School Health (DASH)

<http://www.cdc.gov/healthyyouth/>

U.S. Department of Health & Human Services, Administration for Children & Families, Family and Youth Services Bureau (FYSB)

<https://www.acf.hhs.gov/fysb>

More Resources and Links

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

- Centers for Disease Control and Prevention (CDC) WONDER Database, a system for disseminating public health data and information.
- United States Census Bureau data dashboard.
- Utah healthy Places Index, evidence-based and peer-reviewed tool, supports efforts to prioritize equitable community investments, develop critical programs and policies across the state, and much more.
- County Health Rankings
- Kaiser Family Foundation's StateHealthFacts.org
- Medical literature can be queried at PubMed library.

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