

# Utah Health Status Update

## KEY FINDINGS

- More than 25 student injuries occur every school day in Utah.
- More than half (61%) of student injuries occur among male students (Figure 2).
- The most frequently reported injury was possible fracture (34%) (Figure 3).
- More than one third (38%) of student injuries occur during recess (Figure 4).
- Certain types of injuries may be underreported, due to voluntary reporting.

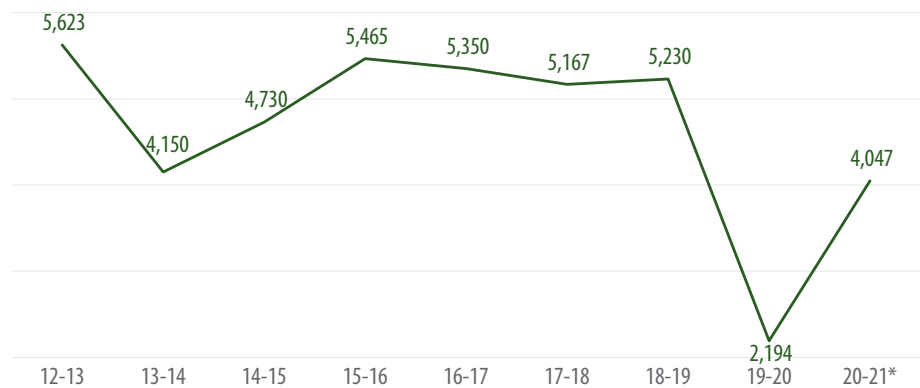
## Student Injuries in Utah

More than 4,500 student injuries occur in Utah every school year which is almost 26 student injuries every school day.<sup>1</sup> The Student Injury Reporting System (SIRS) was first developed in partnership by the Utah Department of Health (UDOH) and the Utah State Board of Education. It is currently maintained by the UDOH Violence and Injury Prevention Program.

All 41 Utah school districts contribute to the Student Injury Reporting System, including more than 800 public schools; approximately 90% of schools in Utah participate. The Student Injury Reporting System is a voluntary system with many under-reported injuries. The Student Injury Reporting System includes injuries happening while going to or from school, during school-sponsored activities, and anywhere on school property during normal school hours. The Student Injury Reporting System collects data on injury types, what caused the injury, when the injury occurred, basic demographic data of the student, and any follow-up after the injury occurred. This report includes injuries meeting the UDOH Reportable Injury Criteria, meaning the injury was severe enough to cause the student to miss a half day of school or more, OR required any sort of medical attention or treatment.

### Total Number of Student Injuries during School Years 2012–2013 through 2020–2021<sup>1</sup>

Figure 1. Utah reported more than 4,100 injuries most school years except during the 2019–2020 and 2020–2021 school years where there were issues with reporting and in-person school closures due to the COVID-19 pandemic.



\* 2020-2021 data are preliminary, less than 5% of cases are under review.

Due to in-person school closures and issues with reporting, the number of student injuries dropped below the previous seven-year rolling average of 5,100 annual student injuries (Figure 1). However, trends in type of injuries and demographics of students appear to have remained stable. The 2020–2021

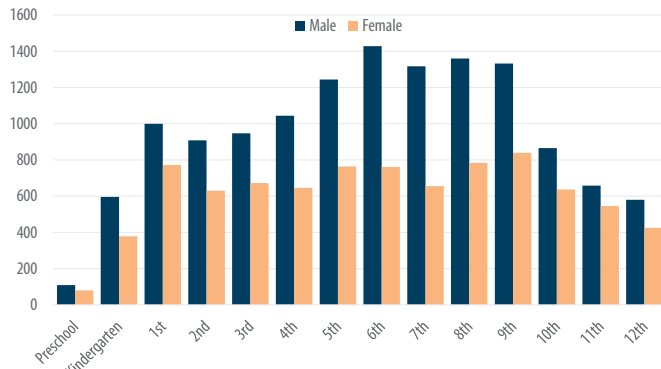
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student data are still preliminary as fewer than 5% of cases are still under review.

During the 2016–2017 through 2020–2021 school years, more than 20,000 student injuries occurred. More than half of student injuries occurred among male students (61%). Approximately half of all student injuries occurred between 5th-9th grade (48%). Among female students only, the total number of injuries remained fairly consistent with lower numbers during preschool and kindergarten, and again in 11th and 12th grades (Figure 2).

**Student Injuries in Utah by Grade and Sex, 2016/2017–2020/2021**

Figure 2. Injuries occurred more often among male students in all grades.

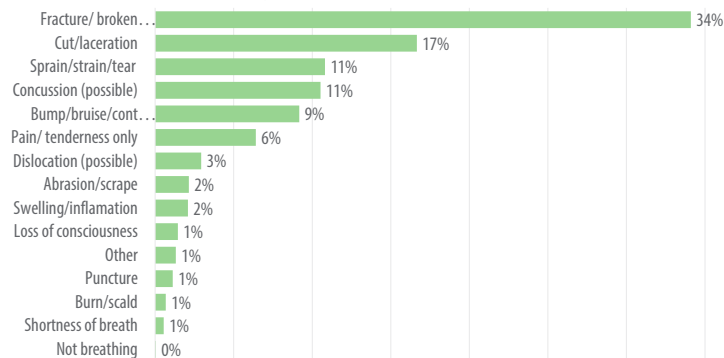


\* 2020-2021 data are preliminary, less than 5% of cases are under review.

The most common types of student injury are possible fractures or breaks, cuts or lacerations, sprains, strains, or tears, possible concussions, and bumps, bruises, and contusions (Figure 3). No major differences were found between school years, grade, or student sex.

**Student Injuries by Injury Type<sup>1</sup>, 2016–2020**

Figure 3. The most reported injury among students was a fracture or break.

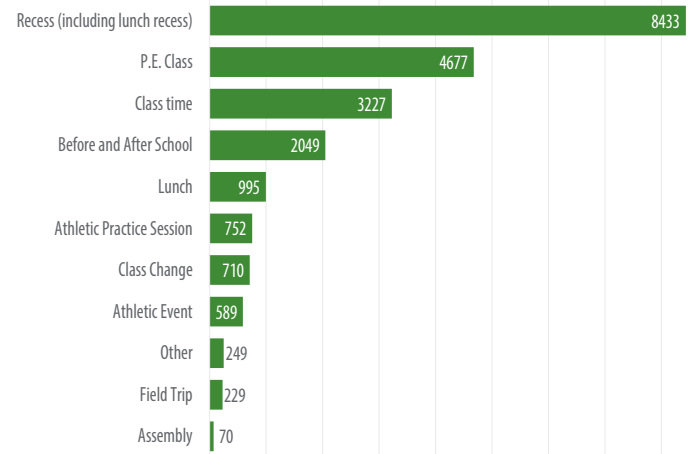


Source: Utah Department of Health. Student Injury Reporting System.

More than one third of student injuries occurred during recess (38%) (Figure 4). Athletic injuries may be underreported due to voluntary reporting.

**Student Injuries by Period in Utah, 2016–2020**

Figure 4. Most reported injuries for students occurred during recess and P.E. class.



Source: Utah Department of Health. Student Injury Reporting System.

**Prevention Tips**

Data from the SIRS can be used for prevention. Some prevention tips from the data include:

- Provide trained adult supervisors at recess
- Establish playground safety rules
- Schedule regular inspections of school grounds and equipment
- Provide regular injury prevention and first aid training to school staff and students
- Athletes should never play a sport when injured, including concussions, unless cleared by a health care provider

**Resources**

The UDOH Violence and Prevention Program is dedicated to reducing injury and violence across the lifespan. Student Injuries can be prevented. To learn more about student injuries, please visit <https://vippp.health.utah.gov/student-injuries/>.

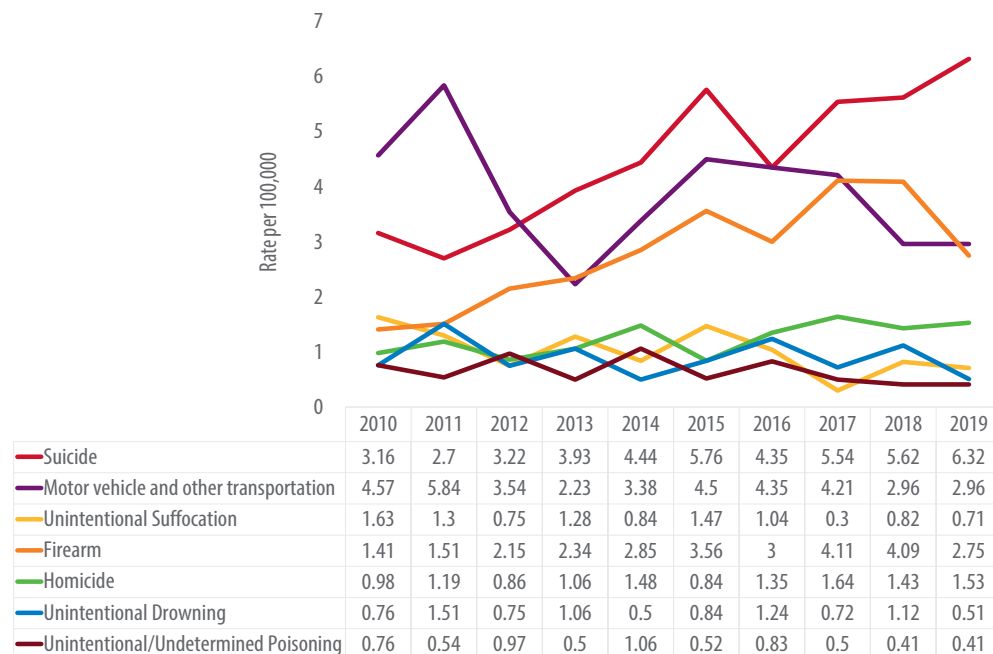
1. Utah Department of Health. Student Injury Reporting System. Access: <https://sirs.health.utah.gov/>

## Child Injury Death Trends in Utah

During the last decade (2010–2019), Utah experienced a big shift in the leading causes of child injury death (ages 0–19). While the overall rate (per 100,000) of childhood injury deaths from all causes combined remained stable from 2010 to 2019 (14.72 to 14.78), there was a significant increase in the rate of suicide (3.16 to 6.32) and a significant decrease in the rate of unintentional injury death (8.81 to 4.89).<sup>1</sup> The reduction in the rate of unintentional child injury death was driven primarily by a significant decrease in the rate of motor-vehicle and other transportation death (4.57 to 2.96).<sup>1</sup>

### Rates of Leading Causes of Injury Death Among Ages 0–19 in Utah by Year, 2010–2019 (n=1,266)<sup>1</sup>

Figure 1. Motorvehicle and other transportation incidents were the leading cause of injury death until 2013 when suicide became the leading cause of injury death to date.



Utilizing data from a variety of sources, including psychologic autopsies performed by a team from the Office of the Medical Examiner, the multidisciplinary Utah Child Fatality Review Committee reviews every child injury death in Utah and closely monitors trends and risk factors. The committee then provides recommendations to prevent future death and address concerning trends. Some examples of recommendations to address the rising rate of youth suicide include:

- Ensuring victims of trauma (those who lose a loved one to suicide or who are victims of sexual abuse) receive counseling and wrap-around services
- Implementing education campaigns to help families talk about suicide (QPR) and to create Suicide Safe Homes (lock up/limit access to Rx medications and firearms)
- Increasing funds in schools for
  - Social workers in EVERY school/on-site response to trauma
  - Counseling on Access to Lethal Means (CALM) training for school counselors

A full list of recommendations and additional data can be found here: [Utah Child Fatality Review Annual Report of 2020 Data](#).

1. Utah Death Certificate Database, Office of Vital Records and Statistics, Utah Department of Health. Utah Population Estimates Committee (UPEC) and the Governor's Office of Planning and Budget (GOPB) for years 1980–1999. For years 2000 and later the population estimates are provided by the National Center for Health Statistics (NCHS) through a collaborative agreement with the U.S. Census Bureau, IBIS Version 2019.

# Monthly Health Indicators

Monthly Report of Notifiable Diseases, July 2021	Current Month # Cases	Current Month # Expected Cases (5-yr average)	# Cases YTD	# Expected YTD (5-yr average)	YTD Standard Morbidity Ratio (obs/exp)
Campylobacteriosis ( <i>Campylobacter</i> )	60	64	283	319	0.9
COVID-19 (SARS-CoV-2)	Cases updated at <a href="https://coronavirus.utah.gov/case-counts/">https://coronavirus.utah.gov/case-counts/</a> .				
Shiga toxin-producing <i>Escherichia coli</i> ( <i>E. coli</i> )	38	18	127	82	1.6
Hepatitis A (infectious hepatitis)	0	6	4	34	0.1
Hepatitis B, acute infections (serum hepatitis)	0	2	9	10	0.9
Influenza*	Weekly updates at <a href="http://health.utah.gov/epi/diseases/influenza">http://health.utah.gov/epi/diseases/influenza</a> .				
Meningococcal Disease	0	1	1	2	0.6
Pertussis (Whooping Cough)	3	23	43	193	0.2
Salmonellosis ( <i>Salmonella</i> )	51	60	172	219	0.8
Shigellosis ( <i>Shigella</i> )	8	5	32	31	1.0
Varicella (Chickenpox)	0	6	33	110	0.3
West Nile (Human cases)	0	4	0	2	0.0
Quarterly Report of Notifiable Diseases, 2nd Qtr 2021	Current Quarter # Cases	Current Quarter # Expected Cases (5-yr average)	# Cases YTD	# Expected YTD (5-yr average)	YTD Standard Morbidity Ratio (obs/exp)
HIV/AIDS†	22	34	22	34	0.7
Chlamydia	2,961	2,638	2,961	2,638	1.1
Gonorrhea	908	616	908	616	1.5
Syphilis	44	30	44	30	1.4
Tuberculosis	2	8	2	8	0.3
Medicaid Expenditures (in Millions) for the Month of July 2021	Current Month	Expected/ Budgeted for Month	Fiscal YTD	Budgeted Fiscal YTD	Variance over (under) Budget
Mental Health Services	\$12	\$11	\$201	\$202	(\$0.8)
Inpatient Hospital Services	\$10	\$9	\$213	\$214	(\$1.2)
Outpatient Hospital Services	\$3	\$2	\$38	\$39	(\$1.2)
Nursing Home Services	\$19	\$19	\$309	\$310	(\$0.9)
Pharmacy Services	\$10	\$10	\$130	\$130	(\$0.8)
Physician/Osteo Services‡	\$3	\$4	\$55	\$57	(\$1.4)
Medicaid Expansion Services	\$69	\$69	\$795	\$797	(\$1.9)
<b>***TOTAL MEDICAID</b>	<b>\$294</b>	<b>\$294</b>	<b>\$3,803</b>	<b>\$3,804</b>	<b>(\$0.4)</b>

|| Updates for COVID-19 can be found at <https://coronavirus.utah.gov>. This includes case counts, deaths, number of Utahns tested for disease, and latest information about statewide public health measures to limit the spread of COVID-19 in Utah.

\* More information and weekly reports for Influenza can be found at <http://health.utah.gov/epi/diseases/influenza>.

† Diagnosed HIV infections, regardless of AIDS diagnosis.

**Notes:** Data for notifiable diseases are preliminary and subject to change upon the completion of ongoing disease investigations.

‡ Medicaid payments reported under Physician/Osteo Services do not include enhanced physician payments.

\*\*\*The Total Medicaid Program costs do not include costs for the PRISM project.

# Monthly Health Indicators

Program Enrollment for the Month of July	Current Month	Previous Month	% Change <sup>§</sup> From Previous Month	1 Year Ago	% Change <sup>§</sup> From 1 Year Ago
Medicaid	409,039	403,077	+1.5%	309,015	+32.4%
CHIP (Children's Health Insurance Plan)	15,207	15,520	-2.0%	16,908	-10.1%
Commercial Insurance Payments <sup>#</sup>	Current Data Year	Number of Members	Total Payments	Payments per Member per Month (PMPM)	% Change <sup>§</sup> From Previous Year
Medical	2019	11,881,900	\$ 3,569,847,963	\$ 304	-1.1%
Pharmacy	2019	10,423,251	\$ 774,925,995	\$ 66	+12.1%
Annual Community Health Measures	Current Data Year	Number Affected	Percent \ Rate	% Change From Previous Year	State Rank <sup>**</sup> (1 is Best)
Suicide Deaths	2019	653	20.4 / 100,000	-3.2%	40 (2019)
Asthma Prevalence (Adults 18+)	2019	219,900	9.90%	+6.9%	29 (2019)
Poor Mental Health (Adults 18+)	2019	459,100	20.70%	+10.1%	28 (2019)
Influenza Immunization (Adults 65+)	2019	223,600	63.90%	+22.8%	22 (2019)
Drug Overdose Deaths Involving Opioids	2019	496	15.5 / 100,000	-21.6%	20 (2019)
Unintentional Fall Deaths	2019	345	10.8 / 100,000	+29.0%	17 (2019)
Infant Mortality	2019	250	5.3 / 1,000	-7.0%	17 (2018)
Traumatic Brain Injury Deaths	2019	1,230	19.3 / 100,000	+1.1%	15 (2019)
Obesity (Adults 18+)	2019	605,345	29.9%	+10.1%	15 (2019)
Diabetes Prevalence (Adults 18+)	2019	190,500	8.50%	+1.3%	13 (2019)
Births to Adolescents (Ages 15-17)	2019	289	3.8 / 1,000	-21.8%	10 (2018)
Childhood Immunization (4:3:1:3:3:1:4) <sup>††</sup>	2019	49,400	80.00%	0.08	7 (2019)
Motor Vehicle Traffic Crash Injury Deaths	2019	231	7.2 / 100,000	-4.50%	7 (2019)
High Blood Pressure (Adults 18+)	2019	532,900	27.00%	+10.3%	7 (2019)
Cigarette Smoking (Adults 18+)	2019	175,800	8.00%	-12.0%	1 (2019)
Binge Drinking (Adults 18+)	2019	240,000	11.10%	+4.4%	1 (2019)
Coronary Heart Disease Deaths	2019	1,631	50.9 / 100,000	-1.0%	1 (2019)
All Cancer Deaths	2019	3,289	102.6 / 100,000	-0.6%	1 (2019)
Stroke Deaths	2019	912	28.4 / 100,000	+1.6%	1 (2019)
Child Obesity (Grade School Children)	2018	38,100	10.60%	+11.6%	n/a
Vaping, Current Use (Grades 8, 10, 12)	2019	37,100	12.40%	+11.3%	n/a
Health Insurance Coverage (Uninsured)	2019	277,200	9.50%	-3.1%	n/a
Early Prenatal Care	2019	35,560	75.90%	-0.4%	n/a

<sup>§</sup> Relative percent change. Percent change could be due to random variation.

<sup>#</sup> Figures subject to revision as new data is processed.

<sup>\*\*</sup> State rank in the United States based on age-adjusted rates where applicable.

<sup>††</sup> Data from 2019 NIS for children aged 24 month (birth year 2017).