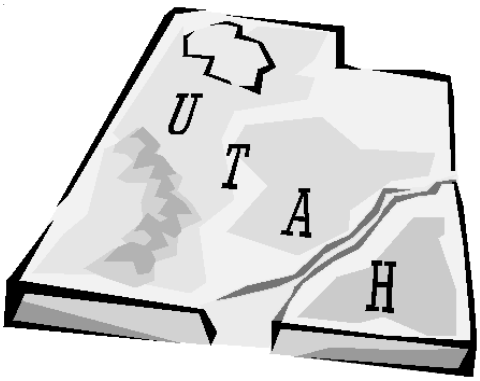
2001 Utah Health Status Survey Report

OVERVIEW OF THE HEALTH OF UTAH CHILDREN



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Overview of the Health of Utah Children

Office of Public Health Assessment
Center for Health Data
Utah Department of Health

January 2005

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Preface

The information in this report is based on data collected in the 2001 Utah Health Status Survey. The survey represents the fourth in a series, with previous surveys conducted in 1986, 1991, and 1996. It provides information on a variety of topics related to health status and health care access at statewide and health district levels. The Utah Health Status Survey is important because it provides information for Utah's local heath districts and children.

The survey was funded by a legislative appropriation and was designed, analyzed, and reported by the Utah Department of Health, Center for Health Data. The survey sample was designed to be representative of Utahns and is perhaps best described as a weighted probability sample consisting of 7,520 households disproportionately stratified by 12 local health districts that cover the entire state.

PEGUS Research Inc. of Salt Lake City conducted the telephone interviews using computer-assisted random digit dialing techniques. In each household, one adult (aged 18 or older) was randomly selected to respond to survey questions about themselves, about the household as a unit, and with regard to each household member. The survey results were weighted to reflect the age, sex, geographic distribution, and Hispanic ethnicity of the population. Interviews were conducted over a seven-month period from May to November, 2001. A detailed description of the methodology can be found in the Technical Notes section of this report. The entire survey questionnaire may be found on-line at http://ibis.health.utah.gov/ophapubs.html.

The information in this report can be used to facilitate policy and planning decisions. While it is intended primarily for public health program managers, administrators, and other health care professionals in the public and private health care sectors, the report may also be of interest to anyone wishing to inform themselves on the current health status of Utah children.

The *Overview of the Health of Utah Children* report provides information on selected child health measures from the Health Status Survey. The report is intended to provide a brief overview of each of the measures. For the purposes of this report, some measures have been simplified such that only one level is reported. For instance, each respondent's general health status was originally reported on a five-point scale (excellent, very good, good, fair, or poor). The simplified measure combines the "fair" and "poor" health categories and reports them as one level, those with fair or poor health.

It is also common for a measure to be reported for only a subpopulation of Utah children. For instance, the percentage of children restrained while in a vehicle was reported only for children aged eight and under because guidelines recommend placing children aged four and under in an infant seat and children aged four to eight in a booster seat. The subpopulation of inference is indicated in the title of the figure or table.

Each measure is depicted on two pages. The first page displays a bar chart of the information by sex and age group. The second page provides a reference table. Reference tables for the measure typically report an overall percentage for the entire population of Utah children, and for that population by sex, age group, and age group by sex. When the sample size allowed for it, the measures are also presented by local health district. Additional comparisons for each measure may be found in that measure's detailed health status survey report, or by requesting it through the Center for Health Data at the address listed inside the front cover of this report.

The information in the tables and figures is presented for different sex, age, and geographic groups. By presenting the information in this way, it is not meant to imply that differences are caused by a person's sex, age, area of residence, or any other variable in the survey. Data collected in a single-point-in-time survey will never provide sufficient evidence of a cause and effect relationship between two variables. For instance, a relationship between obesity and overall ill health has been observed. The data do not suggest whether being obese causes ill health, being ill causes one to be obese, or whether some third variable, such as a chronic condition, causes a person to be obese <u>and</u> to experience overall ill health.

The two most frequently used columns in the graphs and text are 'Percentage of Children' and 'Number of Children' under the larger heading of "Survey Estimates of Children…." These columns indicate the percentage of children and the estimated number of children in Utah, based on the number of survey responses and the population estimates for that subgroup, for the measure.

It should be noted that this report is a limited overview of the Health Status Survey results for children, and not a complete overview of the health status of Utah children. There is other relevant information that should be taken into account in order to gain perspective on Utah children's overall health status, such as leading causes of death, trends in hospitalization for various conditions, infectious disease rates, characteristics of mothers and newborns, injury deaths and hospitalizations, and many other factors. Some of this information can be found in other Center for Health Data publications and on Utah's Indicator-Based Information System for Public Health (IBIS-PH) at http://ibis.health.utah.gov.

This report presents selected information related to children's health from the 2001 Utah Health Status Survey. The information in this report is used to help guide policy decisions and track progress toward the goal of improving the health and well being of Utah's children.

The Utah Department of Health's mission is to protect the public's health through preventing illness, injury and premature death, assuring access to health care, and promoting healthy lifestyles. Access to health care includes children having insurance, having insurance that covers the needed services, being able to afford the services that are partially covered or not covered, and being able to find the services and appropriate types of providers. The number of Utah children without health insurance in 2001 (49,800) was approximately the total population of St. George in 2000 as reported by the U.S. Census Bureau. Children without health insurance were more likely to live in households with incomes below 200% of poverty than those in households at 200% of the federal poverty level or higher (11.4% vs. 2.0%). Even children with health insurance experienced problems getting dental or medical care. For some dental services were not covered by the health insurance (62.1%); others could not afford dental services (68.5%), or could not find medical services (57.5%).

It is interesting to note that health disparities exist among diverse groups of children in the state, particularly Hispanic children and children who lived in low-income households. Hispanic children were significantly more likely to be in fair or poor health than non-Hispanic children (6.3% vs. 1.8%). Hispanic children were more likely to be without health insurance than non-Hispanic children (20.4% vs. 5.3%). However, Hispanic children were more likely to have received routine medical check-ups (84.3% vs. 72.1%) and experienced fewer injuries in the past 12 months (6.5% vs. 11.7%) than non-Hispanic children.

Children who lived in a household where the annual income was under $20,000 were more likely to be in fair or poor health than children who lived in households where the income level was $20,000 to $45,000 (7.7% vs. 2.9%). Additionally, the percentage of children who had been exposed to cigarette smoke inside the home was higher among children who lived in a household where the annual household income was under $20,000 than among children who lived in a household with an income level of $20,000 to $45,000 (15.5% vs. 7.2%).

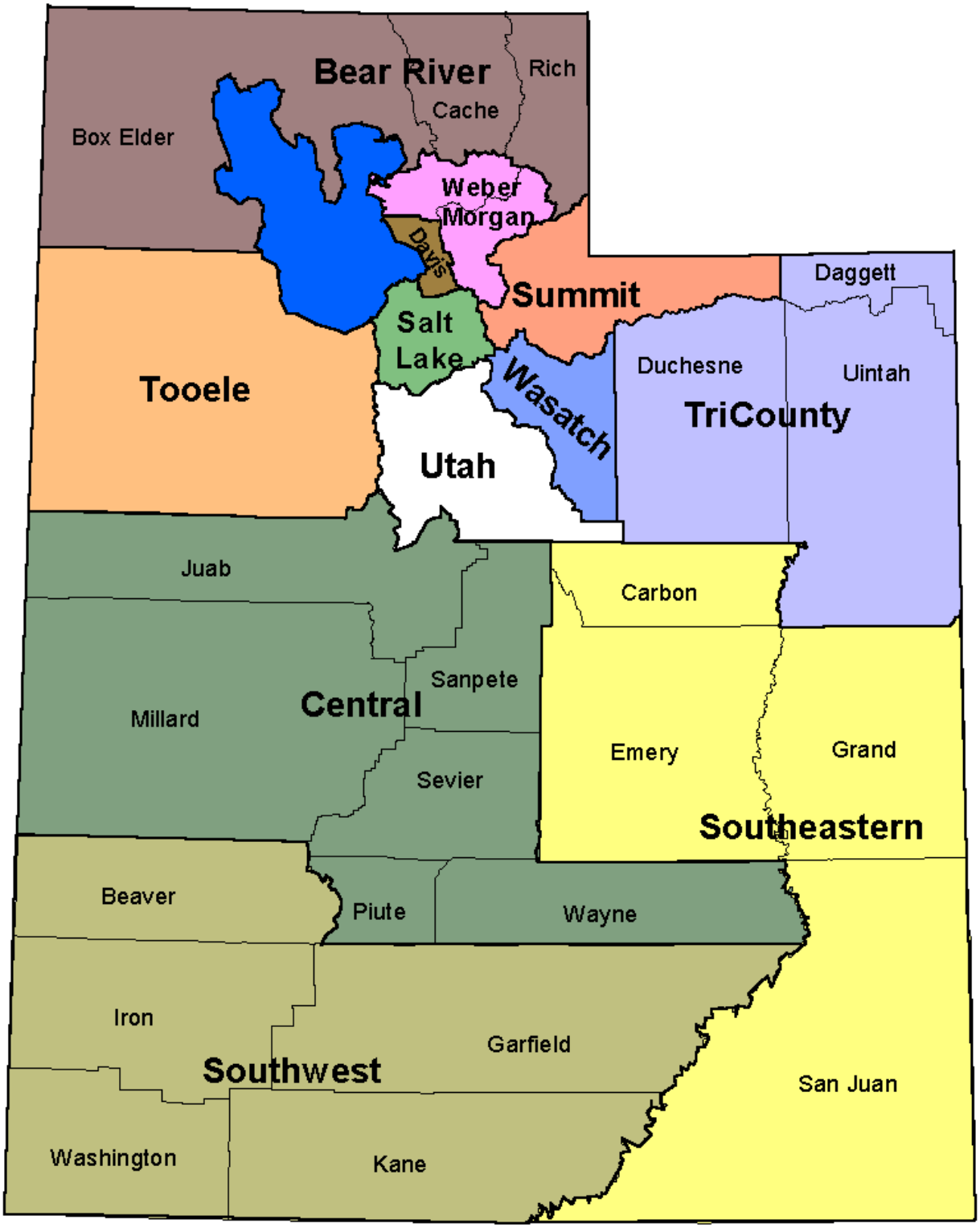
About 1 in 40 (2.7%) Utah children needed to use a prescription medication in the 12 months before the survey but could not afford it.

One in 25 of Utah children (4%) had no usual place of medical care.

Over 11 percent (11.1%) of Utah children sustained an injury during the 12 months before the survey that required medical attention and limited their activity.

Overall, most children in Utah are in good to excellent health. Improving access to health care, decreasing health disparities among diverse populations, and exploring new strategies that will improve children's health continue to be priorities for the Utah Department of Health.

Health Status Survey Findings



In the tables that follow, some data are presented for each of Utah's 12 local health districts. There are six single-county and six multi-county health districts, as shown above.

Figure 1.1 Percentage of Children Who Were in Fair or Poor Health by Age and Sex, Utah, 2001

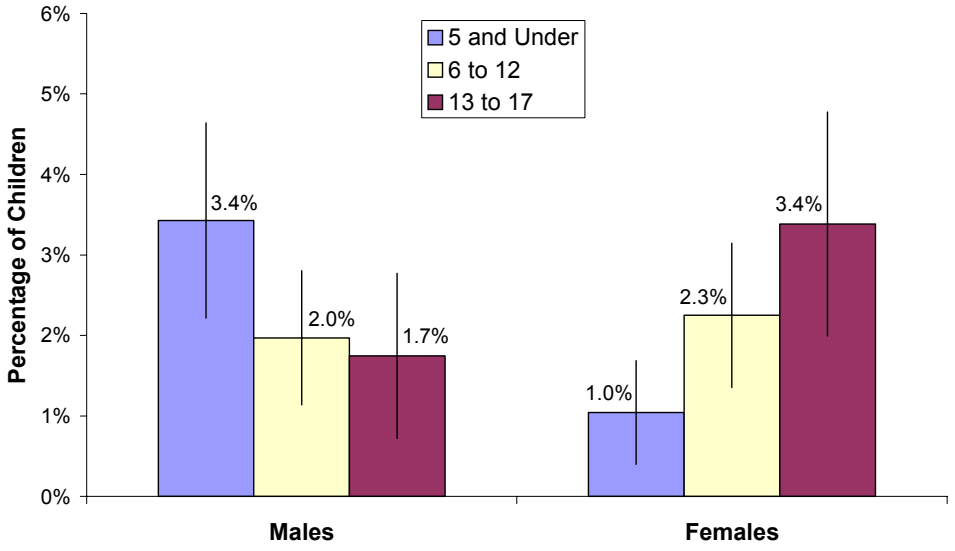
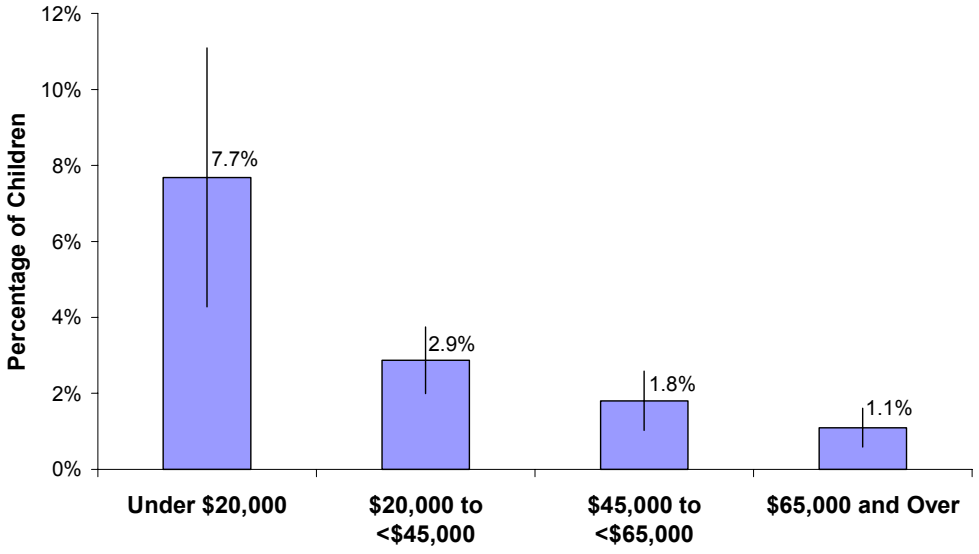


Figure 1.2 Percentage of Children Who Were in Fair or Poor Health by Annual Household Income, Utah, 2001



- Over two percent (2.3%) of Utah children were reported to be in "fair" or "poor" health at the time of the survey. However, this percentage was higher among children living in households with incomes below $20,000 (7.7%) and among Hispanic children (6.3%).

Table 1. General Health Status: Percentage of Children Who Were in Fair or Poor Health by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

Demographic Subgroup	Population Size: Percentage Distribution	Population Size: Number of Children[1]	Survey Estimates of Children Who Were in Fair/Poor Health: Percentage of Children[2]	Survey Estimates of Children Who Were in Fair/Poor Health: Number of Children[3,4]	Survey Estimates of Children Who Were in Fair/Poor Health: Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, Children Age 17 and Under	100.0%	730,417	2.3% ± *0.4%*	16,700	100.0%
Sex					
Male	51.4%	375,761	2.4% ± *0.6%*	9,200	55.1%
Female	48.6%	354,656	2.1% ± *0.6%*	7,500	44.9%
Total, All Children Age 17 and Under	100.0%	730,417	2.3% ± *0.4%*	16,700	100.0%
Age Group					
5 and Under	35.5%	259,499	2.3% ± *0.7%*	5,900	35.3%
6 to 12	37.4%	273,034	2.1% ± *0.7%*	5,800	34.7%
13 to 17	27.1%	197,884	2.5% ± *0.9%*	5,000	29.9%
Total, All Children Age 17 and Under	100.0%	730,417	2.3% ± *0.4%*	16,700	100.0%
Sex and Age					
Males, 5 and Under	18.3%	133,416	3.4% ± *1.2%*	4,600	27.4%
Males, 6 to12	19.3%	140,630	2.0% ± *0.8%*	2,800	16.7%
Males, 13 to 17	13.9%	101,715	1.7% ± *1.0%*	1,800	10.7%
Females, 5 and Under	17.3%	126,083	1.0% ± *0.6%*	1,300	7.7%
Females, 6 to 12	18.1%	132,404	2.3% ± *0.9%*	3,000	17.9%
Females, 13 to 17	13.2%	96,169	3.4% ± *1.4%*	3,300	19.6%
Total, All Children Age 17 and Under	100.0%	730,417	2.3% ± *0.4%*	16,700	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	1.5% ± *1.1%*	700	4.2%
Central	3.1%	22,796	1.3% ± *0.9%*	300	1.8%
Davis	11.5%	84,043	1.9% ± *1.5%*	1,600	9.6%
Salt Lake	38.0%	277,625	2.5% ± *0.8%*	7,000	41.9%
Southeastern	2.3%	16,849	2.1% ± *1.6%*	400	2.4%
Southwest	6.2%	45,430	2.9% ± *1.5%*	1,300	7.8%
Summit	1.2%	9,093	2.4% ± *1.4%*	200	1.2%
Tooele	2.1%	14,994	2.6% ± *1.4%*	400	2.4%
TriCounty	1.9%	14,206	2.4% ± *1.2%*	300	1.8%
Utah County	17.9%	130,967	1.7% ± *0.8%*	2,300	13.8%
Wasatch	0.7%	5,285	1.6% ± *1.2%*	100	0.6%
Weber-Morgan	8.8%	64,084	3.3% ± *1.9%*	2,100	12.6%
Total, All Children Age 17 and Under	100.0%	730,417	2.3% ± *0.4%*	16,700	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	7.7% ± *3.4%*	4,500	25.7%
$20,000 to <$45,000	32.8%	239,900	2.9% ± *0.9%*	6,900	39.4%
$45,000 to <$65,000	26.7%	194,900	1.8% ± *0.8%*	3,500	20.0%
$65,000 and Over	32.4%	236,900	1.1% ± *0.5%*	2,600	14.9%
Total, All Children Age 17 and Under	100.0%	730,400	2.3% ± *0.4%*	16,700	100.0%
Head of Household Education Level					
Some High School	6.0%	43,500	6.3% ± *3.4%*	2,700	16.4%
High School Grad/Some College	41.8%	305,600	2.7% ± *0.7%*	8,200	49.7%
Tech/Vocational/Assoc. Degree	11.1%	81,000	2.2% ± *1.2%*	1,700	10.3%
4 Year College Degree or More	41.1%	300,300	1.3% ± *0.5%*	3,900	23.6%
Total, All Children Age 17 and Under	100.0%	730,400	2.3% ± *0.4%*	16,700	100.0%

Table 1. General Health Status: Percentage of Children Who Were in Fair or Poor Health (continued)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Were in Fair/Poor Health		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Hispanic Status					
Hispanic	11.1%	81,200	6.3% ± *2.3%*	5,100	30.5%
Non-Hispanic	88.9%	649,200	1.8% ± *0.4%*	11,600	69.5%
Total, All Children Age 17 and Under	100.0%	730,400	2.3% ± *0.4%*	16,700	100.0%
Insurance Coverage					
Insured	93.2%	680,700	2.2% ± *0.5%*	15,000	89.8%
Uninsured	6.8%	49,800	1.9% ± *1.5%*	1,000	6.0%
Total, All Children Age 17 and Under	100.0%	730,400	2.3% ± *0.4%*	16,700	95.8%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

2001 Utah Health Status Survey, Utah Department of Health

Figure 2.1 Percentage of Children Without Health Insurance Coverage by Age and Sex, Utah, 2001

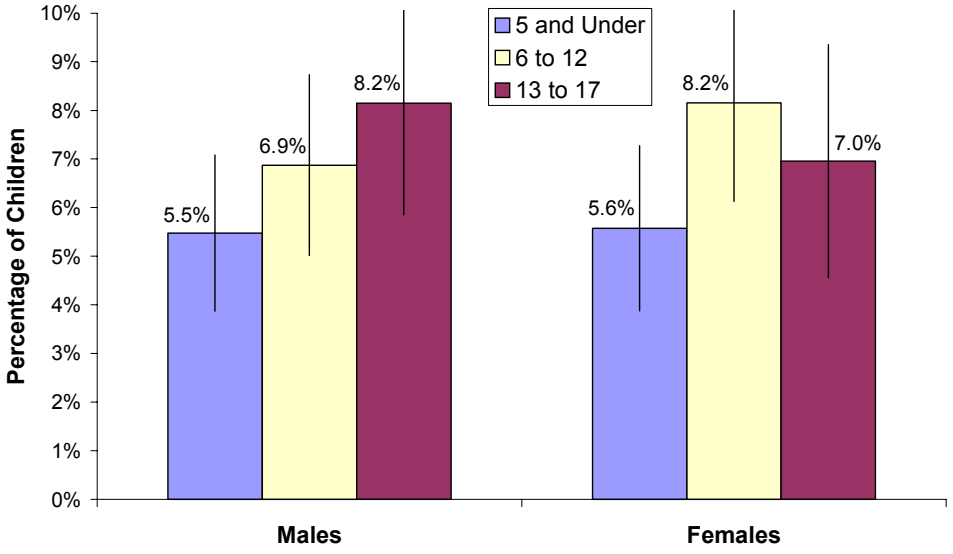
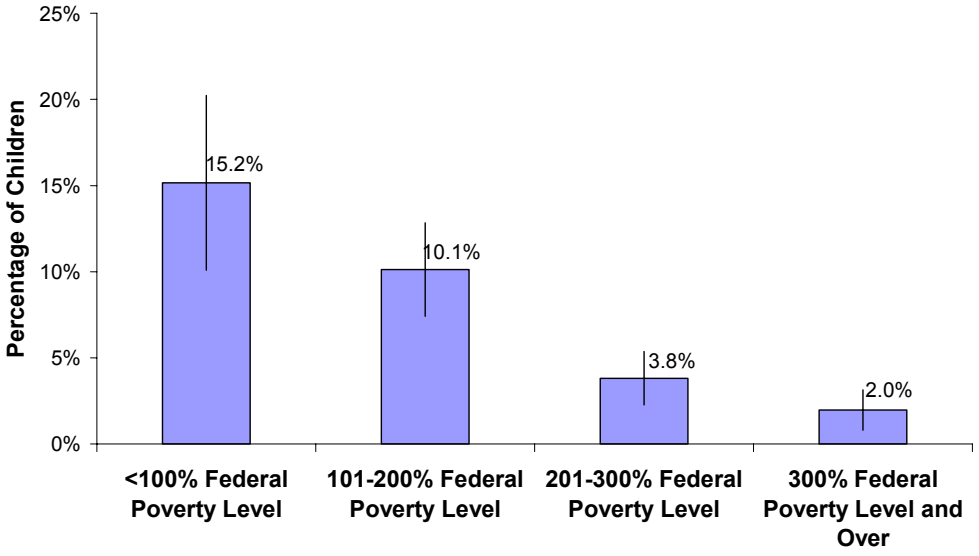


Figure 2.2 Percentage of Children Without Health Insurance Coverage by Poverty Level, Utah, 2001



- Of the Utah children birth to age 17, almost seven percent (6.8% representing 49,800 children) reported no type of health insurance coverage at the time of the survey.
- No health insurance coverage was more common among children living in households with incomes below 100% of poverty (15.2%), children living in households where head of the household lacked a high school diploma (22.8%), and children who were Hispanic (20.4%).

Table 2. Health Insurance Coverage: Percentage of Children Without Health Insurance Coverage
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Without Health Insurance Coverage		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, Utah Children Age 17 and Under	100.0%	730,417	6.8% ± *1.1%*	49,800	100.0%
Sex					
Male	51.4%	375,761	6.7% ± *1.3%*	25,100	50.5%
Female	48.6%	354,656	6.9% ± *1.3%*	24,600	49.5%
Total, All Children Age 17 and Under	100.0%	730,417	6.8% ± *1.1%*	49,800	100.0%
Age Group					
5 and Under	35.5%	259,499	5.5% ± *1.3%*	14,300	28.7%
6 to 12	37.4%	273,034	7.5% ± *1.6%*	20,500	41.2%
13 to 17	27.1%	197,884	7.6% ± *1.9%*	15,000	30.1%
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Females, 5 and Under	17.3%	126,083	5.6% ± *1.7%*	7,000	14.1%
Females, 6 to 12	18.1%	132,404	8.2% ± *2.0%*	10,800	21.7%
Females, 13 to 17	13.2%	96,169	7.0% ± *2.4%*	6,700	13.5%
Total, All Children Age 17 and Under	100.0%	730,417	6.8% ± *1.1%*	49,800	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	4.0% ± *2.7%*	1,800	3.6%
Central	3.1%	22,796	9.3% ± *4.0%*	2,100	4.2%
Davis	11.5%	84,043	3.5% ± *2.6%*	3,000	6.0%
Salt Lake	38.0%	277,625	7.7% ± *2.2%*	21,400	42.9%
Southeastern	2.3%	16,849	6.1% ± *2.8%*	1,000	2.0%
Southwest	6.2%	45,430	11.3% ± *4.7%*	5,200	10.4%
Summit	1.2%	9,093	5.7% ± *3.3%*	500	1.0%
Tooele	2.1%	14,994	6.7% ± *3.5%*	1,000	2.0%
TriCounty	1.9%	14,206	9.9% ± *3.9%*	1,400	2.8%
Utah County	17.9%	130,967	5.4% ± *2.5%*	7,100	14.2%
Wasatch	0.7%	5,285	7.2% ± *3.5%*	400	0.8%
Weber-Morgan	8.8%	64,084	7.8% ± *4.2%*	5,000	10.0%
Total, All Children Age 17 and Under	100.0%	730,417	6.8% ± *1.1%*	49,800	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	14.7% ± *5.1%*	8,600	18.0%
$20,000 to <$45,000	32.8%	239,900	10.1% ± *2.4%*	24,300	50.8%
$45,000 to <$65,000	26.7%	194,900	4.9% ± *2.3%*	9,500	19.9%
$65,000 and Over	32.4%	236,900	2.3% ± *1.3%*	5,400	11.3%
Total, All Children Age 17 and Under	100.0%	730,400	6.8% ± *1.1%*	49,800	100.0%
Poverty Level					
<100% Federal Poverty Level	10.8%	78,900	15.2% ± *5.1%*	12,000	25.9%
101-200% Federal Poverty Level	28.0%	204,300	10.1% ± *2.7%*	20,700	44.7%
201-300% Federal Poverty Level	34.9%	255,200	3.8% ± *1.5%*	9,800	21.2%
301% Federal Poverty Level and Over	26.3%	192,000	2.0% ± *1.2%*	3,800	8.2%
Total, All Children Age 17 and Under	100.0%	730,400	6.8% ± *1.1%*	49,800	100.0%

Table 2. Health Insurance Coverage: Percentage of Children Without Health Insurance Coverage (continued)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Without Health Insurance Coverage		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Poverty Level					
<200% Federal Poverty Level	59.6%	435,300	11.5% ± *2.4%*	50,100	89.5%
200% Federal Poverty Level and Over	40.4%	295,100	2.0% ± *1.2%*	5,900	10.5%
Total, All Children Age 17 and Under	100.0%	730,400	6.8% ± *1.1%*	49,800	100.0%
Head of Household Education Level					
Some High School	6.0%	43,500	22.8% ± *7.3%*	9,900	19.7%
High School Grad/Some College	41.8%	305,600	9.1% ± *2.0%*	27,700	55.2%
Tech/Vocational/Assoc. Degree	11.1%	81,000	3.7% ± *2.8%*	3,000	6.0%
4 Year College Degree or More	41.1%	300,300	3.2% ± *1.2%*	9,600	19.1%
Total, All Children Age 17 and Under	100.0%	730,400	6.8% ± *1.1%*	49,800	100.0%
Hispanic Status					
Hispanic	11.1%	81,200	20.4% ± *5.3%*	16,600	32.5%
Non-Hispanic	88.9%	649,200	5.3% ± *1.1%*	34,400	67.5%
Total, All Children Age 17 and Under	100.0%	730,400	6.8% ± *1.1%*	49,800	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

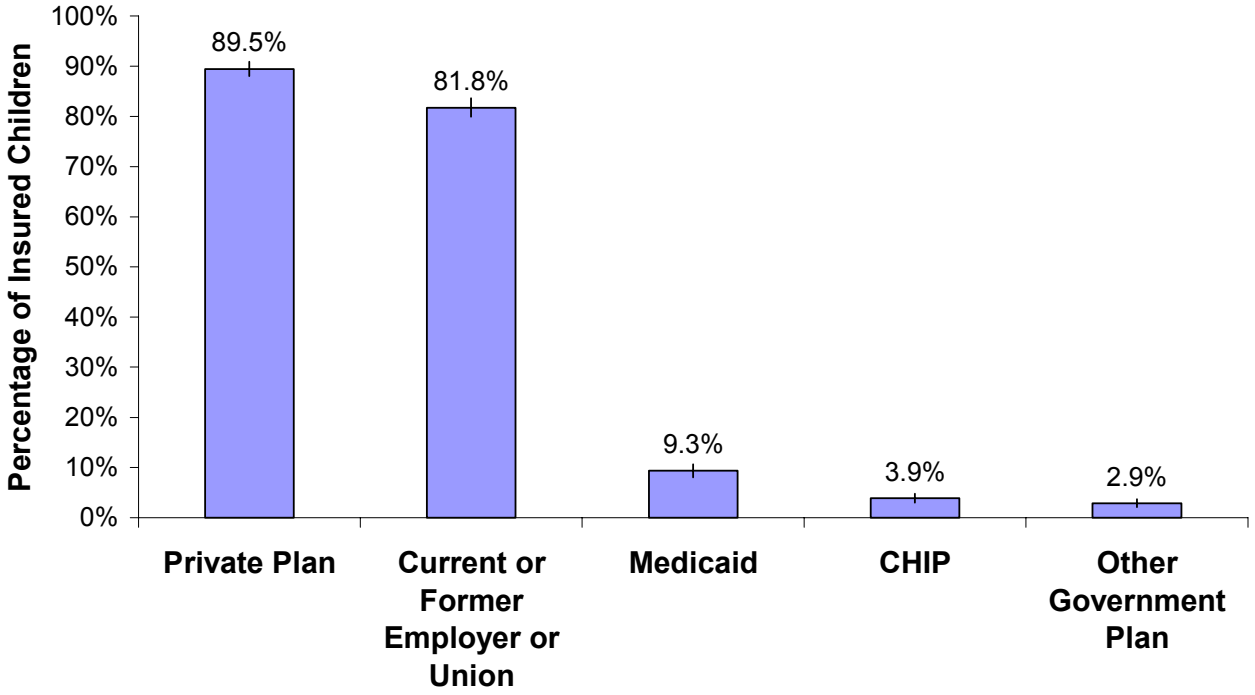
3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

2001 Utah Health Status Survey, Utah Department of Health

Figure 3.1 Percentage of Children With Each Type of Health Insurance, Utah Children With Health Insurance, 2001



- Of the Utah children with health insurance coverage, a majority (89.5%) were covered by a private plan or current or former employer (81.8%).
- Nearly one in ten children (9.3%) was covered by Medicaid.
- Nearly 1 in 25 children (3.9%) was covered by the Children's Health Insurance Program (CHIP).

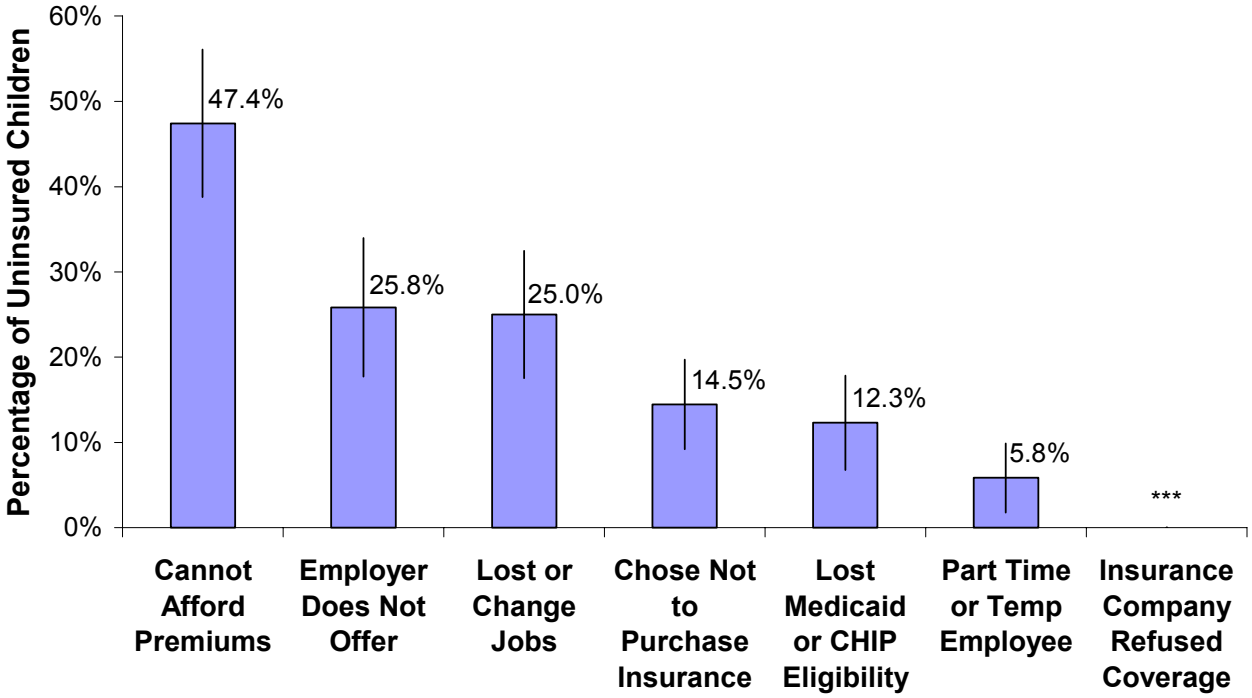
Table 3. Health Insurance Carrier: Percentage of Children With Each Type of Health Insurance
Utah Children Age 17 and Under With Health Insurance, 2001.

Health Insurance Carrier	Survey Estimates of Children by Health Insurance Carrier: Percentage of Children With Each Type of Plan[1,2]	Number of Children With Each Type of Plan[3]
Private Plan[4]	89.5% ± *1.4%*	608,900
Current or Former Employer or Union	81.8% ± *1.8%*	556,400
Medicaid	9.3% ± *1.3%*	63,500
CHIP[5]	3.9% ± *0.9%*	26,700
Other Government Plan[6]	2.9% ± *0.8%*	19,600

1 Plus or minus 95% confidence interval.
2 Because individuals could have more than one plan, figures in this column do not sum to 100%.
3 Rounded to the nearest 100 persons.
4 "Private plan" consists of insurance through current of former employer or union, insurance purchased directly from an insurance company, and insurance through someone who does not live in the household.
5 Children's Health Insurance Program.
6 "Other government plan" includes Military, CHAMPUS/Tricare, the V.A., or Indian Health Services.

2001 Utah Health Status Survey, Utah Department of Health

Figure 4.1 Reasons for Children Lacking Health Insurance, Utah Children Without Health Insurance, 2001



- The top reasons reported for children lacking health insurance were the family could not afford health insurance coverage (47.4%), the respondent's employer did not offer health insurance coverage (25.8%), and the respondent lost or changed jobs (25.0%).
- An estimated 23,600 Utah children lacked health insurance in 2001 due to the inability to afford premiums.

Table 4. Reasons for Children Lacking Health Insurance as Listed by Respondent

Utah Children Age 17 and Under Without Health Insurance, 2001.

Reason Listed for Lack of Insurance[1]	Survey Estimates of Children Without Insurance by Reason Listed: Percentage of Children[2]	Number of Children[3]
State Total		
Cannot Afford Premiums	47.4% ± *8.6%*	23,600
Employer Does Not Offer	25.8% ± *8.1%*	12,900
Lost or Change Jobs	25.0% ± *7.5%*	12,400
Chose Not to Purchase Insurance	14.5% ± *5.3%*	7,200
Lost Medicaid or CHIP Eligibility	12.3% ± *5.5%*	6,100
Part Time or Temp Employee	5.8% ± *4.0%*	2,900
Insurance Company Refused Coverage[4]	*** ± ***	***
Total, All Children Without Health Insurance	100.0%	49,800
Cannot Afford Premiums by Local Health District		
Bear River	*** ± ***	***
Central	29.1% ± *19.9%*	600
Davis	*** ± ***	***
Salt Lake	50.9% ± *15.0%*	10,900
Southeastern	*** ± ***	***
Southwest	50.3% ± *24.0%*	2,600
Summit	*** ± ***	***
Tooele	65.3% ± *27.1%*	700
TriCounty	52.6% ± *21.6%*	700
Utah County	52.2% ± *24.4%*	3,700
Wasatch	69.6% ± *21.5%*	300
Weber-Morgan	28.2% ± *24.0%*	1,400
Total, All Children Without Health Insurance	47.4% ± *8.6%*	23,600
Employer Does Not Offer by Local Health District		
Bear River	*** ± ***	***
Central	20.8% ± *19.2%*	400
Davis	*** ± ***	***
Salt Lake	24.4% ± *14.0%*	5,200
Southeastern	*** ± ***	***
Southwest	26.1% ± *19.8%*	1,300
Summit	*** ± ***	***
Tooele	*** ± ***	***
TriCounty	22.0% ± *18.0%*	300
Utah County	27.3% ± *22.5%*	1,900
Wasatch	49.3% ± *26.4%*	200
Weber-Morgan	*** ± ***	***
Total, All Children Without Health Insurance	25.8% ± *8.1%*	12,900

Table 4. Reasons for Children Lacking Health Insurance as Listed by Respondent (continued)

Utah Children Age 17 and Under Without Health Insurance, 2001.

Reason Listed for Lack of Insurance[1]	Survey Estimates of Children Without Insurance by Reason Listed: Percentage of Children[2]	Number of Children[3]
Lost or Changed Jobs by Local Health District		
Bear River	*** ± ***	***
Central	24.0% ± *20.9%*	500
Davis	*** ± ***	***
Salt Lake	25.5% ± *12.4%*	5,500
Southeastern	*** ± ***	***
Southwest	*** ± ***	***
Summit	*** ± ***	***
Tooele	*** ± ***	***
TriCounty	18.1% ± *15.7%*	300
Utah County	33.7% ± *23.3%*	2,400
Wasatch	*** ± ***	***
Weber-Morgan	22.6% ± *22.2%*	1,100
Total, All Children Without Health Insurance	25.0% ± *7.5%*	12,400
Chose Not to Purchase Insurance by Local Health District		
Bear River	*** ± ***	***
Central	25.7% ± *21.2%*	500
Davis	*** ± ***	***
Salt Lake	11.5% ± *8.9%*	2,500
Southeastern	*** ± ***	***
Southwest	18.7% ± *16.0%*	1,000
Summit	*** ± ***	***
Tooele	*** ± ***	***
TriCounty	31.7% ± *20.0%*	400
Utah County	8.9% ± *8.7%*	600
Wasatch	*** ± ***	***
Weber-Morgan	23.5% ± *23.3%*	1,200
Total, All Children Without Health Insurance	14.5% ± *5.3%*	7,200
Lost Medicaid or CHIP Eligibility by Residence		
Wasatch Front	10.8% ± *7.0%*	200
Non-Wasatch Front	16.5% ± *7.7%*	300
Total, All Children Without Health Insurance	12.3% ± *5.5%*	400

1 Because individuals could choose more than one reason, figures sum to greater than 100%.

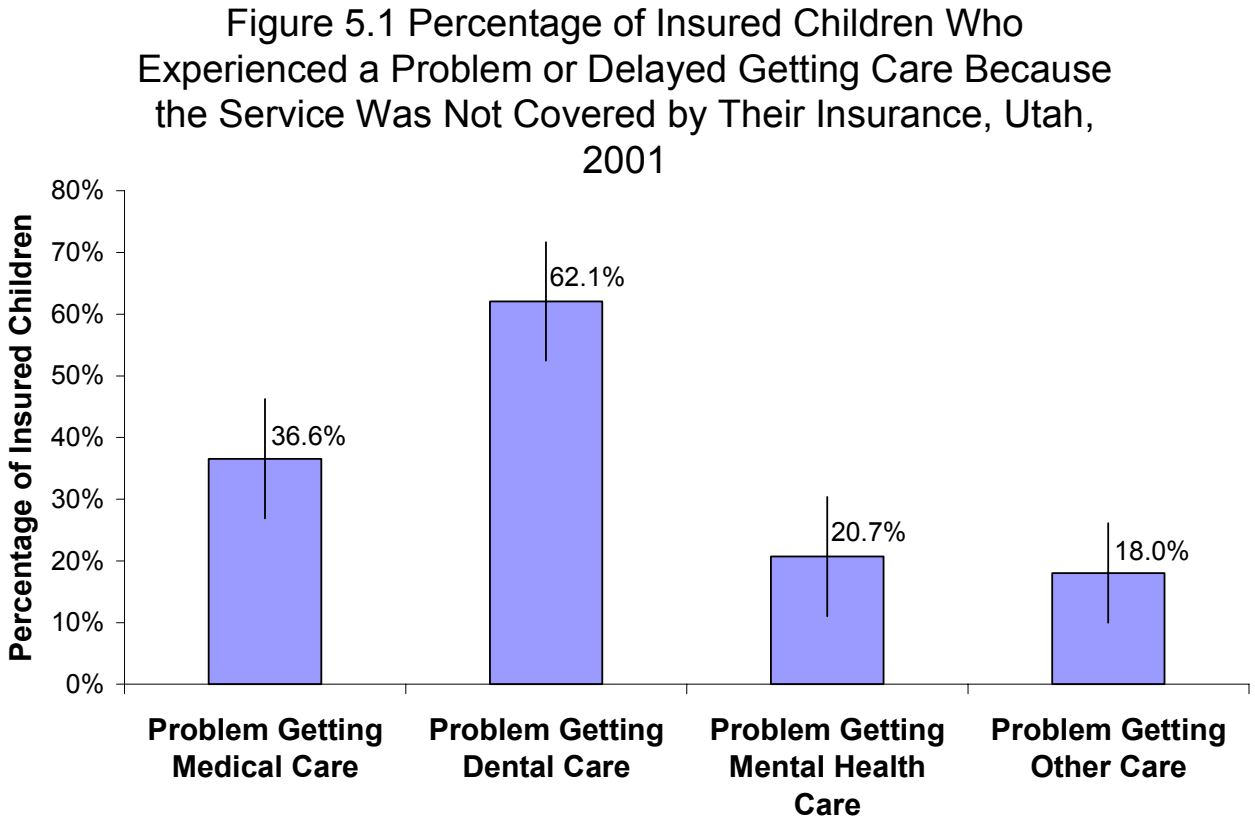
2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 children.

4 Reasons an insurance company would refuse to cover an indvidual included 1) because of a pre-existing condidtion, 2) the individual exceeded lifetime benefits, or 3) due to some other reason.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health



- More than 62 percent (62.1%) of respondents indicated that their children had problems getting dental care since it was not covered by their insurance.
- Of children with insurance, 68.5% had problems or delayed getting dental care because they could not afford the service.
- More than 57 percent (57.5%) reported difficulty getting medical care because they could not find services in their area and almost 48 percent (47.8%) reported they could not afford medical care.

Table 5. Access to Care: Percentage of Insured Children Who Experienced a Problem or Delayed Getting Needed Medical, Dental, or Mental Health Care in the Previous 12 Months
by Type of Access Problem, Utah Insured Children Age 17 and Under, 2001.

Type of Access Problem	Survey Estimates of Insured Children by Type of Access Problem: Percentage of Children With Each Type of Access Problem[1,2]	Number of Children With Each Type of Access Problem[3]
Experienced a Problem or Delayed Getting Care Because the Service Was Not Covered by Their Insurance	3.3% ± *0.7%*	22,200
Problem Getting Medical Care	36.6% ± *9.7%*	8,100
Problem Getting Dental Care	62.1% ± *9.6%*	13,800
Problem Getting Mental Health Care	20.7% ± *9.7%*	4,600
Problem Getting Other Care	18.0% ± *8.1%*	4,000
Experienced a Problem or Delayed Getting Care Because They Could Not Find the Services in Their Area	1.5% ± *0.4%*	10,200
Problem Getting Medical Care	57.5% ± *10.6%*	5,900
Problem Getting Dental Care	32.5% ± *10.7%*	3,300
Problem Getting Mental Health Care	24.0% ± *9.7%*	2,400
Problem Getting Other Care	17.7% ± *7.5%*	1,800
Experienced a Problem or Delayed Getting Care Because They Could Not Afford the Services	4.1% ± *0.9%*	28,000
Problem Getting Medical Care	47.8% ± *10.8%*	13,400
Problem Getting Dental Care	68.5% ± *9.1%*	19,200
Problem Getting Mental Health Care	17.4% ± *8.6%*	4,900
Problem Getting Other Care	12.8% ± *6.8%*	3,600

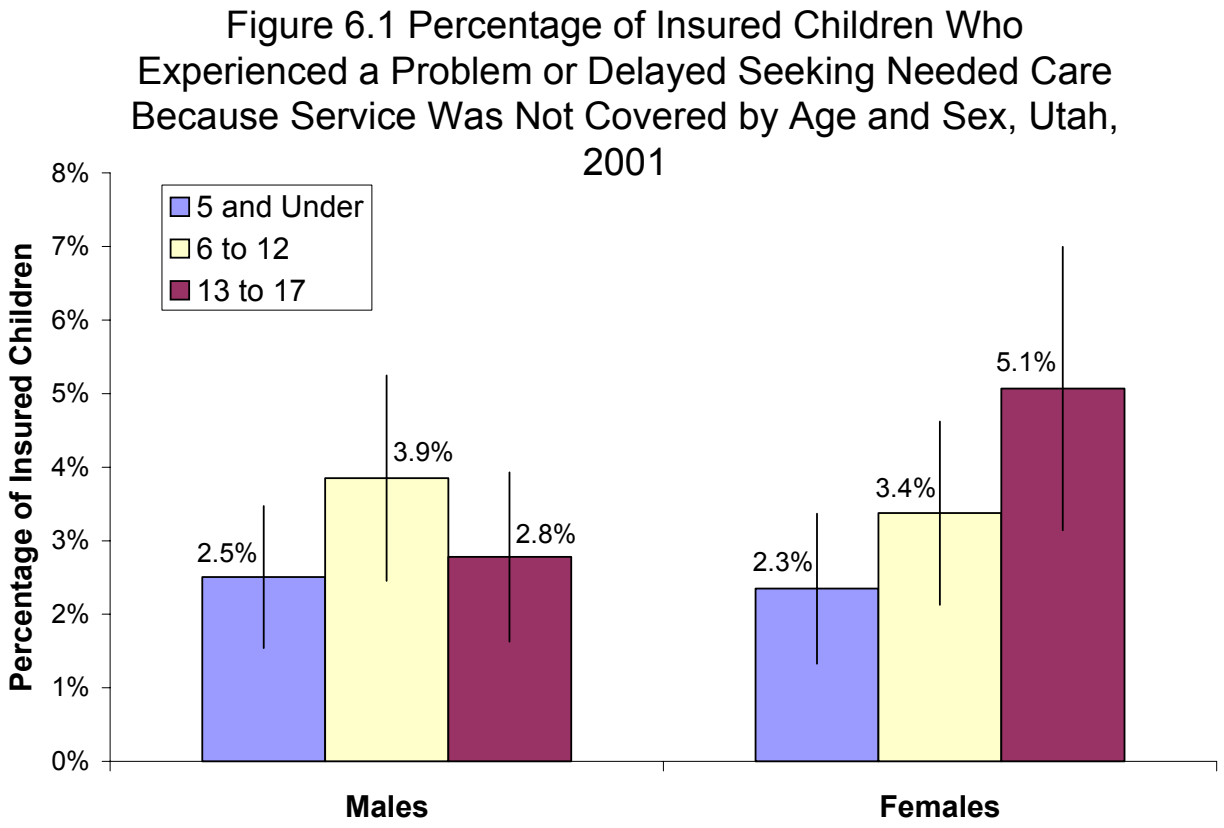
1 Plus or minus 95% confidence interval.

2 Because individuals could list more than one reason, figures in this column do not sum to 100%.

3 Rounded to the nearest 100 persons.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health



- Approximately three percent (3.3%), or 22,200 insured Utah children, reported experiencing a problem or delayed seeking needed health care services because the service was not covered by their insurance.
- Female adolescents (13-17) were most likely (5.1%) to encounter problems getting care because it was not covered by their health insurance plan.

Table 6. Adequacy of Health Insurance: Percentage of Insured Children Who Experienced a Problem or Delayed Seeking Needed Medical, Dental, or Mental Health Care in the Previous 12 Months Because the Service Was Not Covered by Their Insurance
by Selected Demographic Characteristics, Utah Insured Children Age 17 and Under, 2001.

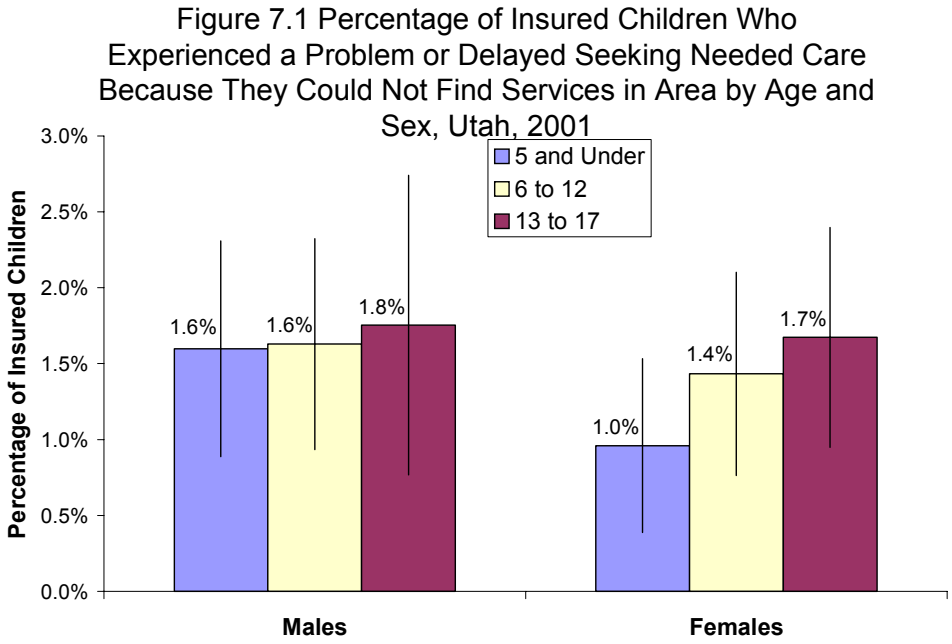
	Population Size		Survey Estimates of Insured Utah Children Who Experienced a Problem or Delayed Seeking Care in the Previous 12 Months Because the Service Was Not Covered by Their Insurance		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Insured Children Age 17 and Under	100.0%	680,700	3.3% ± *0.7%*	22,200	100.0%
Sex					
Male	51.7%	352,200	3.1% ± *0.7%*	10,900	49.1%
Female	48.3%	328,500	3.4% ± *0.9%*	11,300	50.9%
Total, All Insured Children Age 17 and Under	100.0%	680,700	3.3% ± *0.7%*	22,200	100.0%
Age Group					
5 and Under	36.4%	247,600	2.4% ± *0.7%*	6,000	27.1%
6 to 12	38.2%	260,300	3.6% ± *1.1%*	9,400	42.5%
13 to 17	25.4%	172,700	3.9% ± *1.2%*	6,700	30.3%
Total, All Insured Children Age 17 and Under	100.0%	680,700	3.3% ± *0.7%*	22,200	100.0%
Sex and Age					
Males, 5 and Under	19.2%	130,800	2.5% ± *1.0%*	3,300	14.9%
Males, 6 to12	19.4%	132,200	3.9% ± *1.4%*	5,100	23.1%
Males, 13 to 17	13.1%	89,200	2.8% ± *1.1%*	2,500	11.3%
Females, 5 and Under	17.2%	116,900	2.3% ± *1.0%*	2,700	12.2%
Females, 6 to 12	18.8%	128,200	3.4% ± *1.2%*	4,300	19.5%
Females, 13 to 17	12.3%	83,400	5.1% ± *1.9%*	4,200	19.0%
Total, All Insured Children Age 17 and Under	100.0%	680,700	3.3% ± *0.7%*	22,200	100.0%
Local Health District[5]					
Bear River	6.5%	44,500	3.3% ± *1.9%*	1,500	6.8%
Central	3.1%	21,000	3.6% ± *2.8%*	800	3.6%
Davis	12.2%	83,400	2.0% ± *1.2%*	1,600	7.2%
Salt Lake	37.2%	253,100	2.8% ± *1.3%*	7,000	31.5%
Southeastern	2.5%	17,000	7.5% ± *4.2%*	1,300	5.9%
Southwest	5.9%	40,000	4.7% ± *2.9%*	1,900	8.6%
Summit	1.2%	8,400	4.5% ± *3.3%*	400	1.8%
Tooele	2.0%	13,700	1.8% ± *1.1%*	200	0.9%
TriCounty	1.9%	13,000	3.8% ± *2.4%*	500	2.3%
Utah County	17.9%	122,000	4.8% ± *2.2%*	5,800	26.1%
Wasatch	0.7%	4,700	5.7% ± *3.7%*	300	1.4%
Weber-Morgan	8.8%	59,900	1.6% ± *1.5%*	900	4.1%
Total, All Insured Children Age 17 and Under	100.0%	680,700	3.3% ± *0.7%*	22,200	100.0%
Annual Household Income					
Under $20,000	8.0%	54,800	4.6% ± *2.9%*	2,500	10.7%
$20,000 to <$45,000	32.8%	223,500	3.8% ± *1.4%*	8,400	36.1%
$45,000 to <$65,000	26.7%	181,600	3.8% ± *1.6%*	6,900	29.6%
$65,000 and Over	32.4%	220,800	2.5% ± *1.1%*	5,500	23.6%
Total, All Insured Children Age 17 and Under	100.0%	680,700	3.3% ± *0.7%*	22,200	100.0%

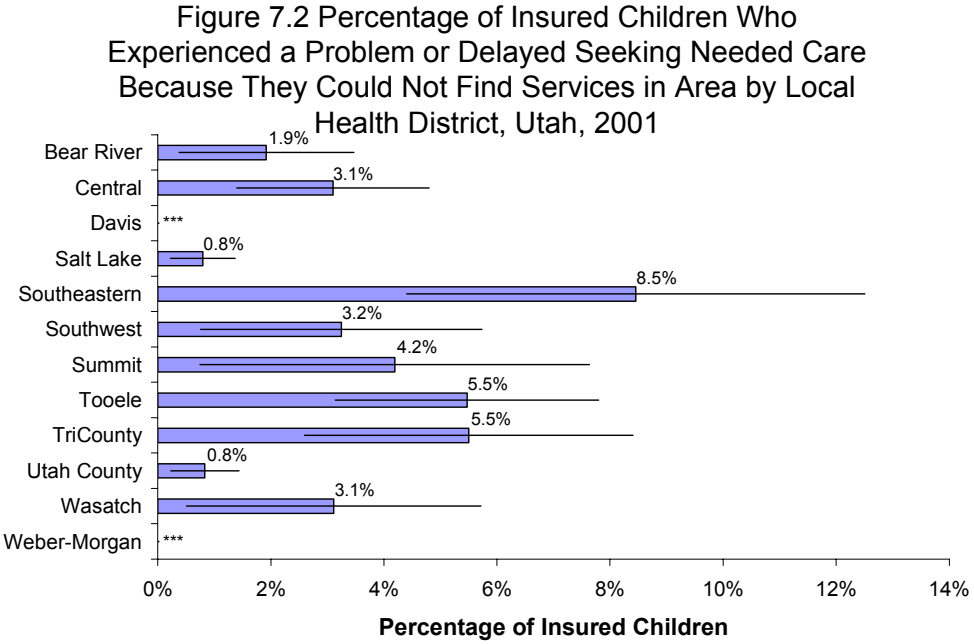
Table 6. Adequacy of Health Insurance: Percentage of Insured Children Who Experienced a Problem or Delayed Seeking Needed Medical, Dental, or Mental Health Care in the Previous 12 Months Because the Service Was Not Covered by Their Insurance (continued)
by Selected Demographic Characteristics, Utah Insured Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Insured Utah Children Who Experienced a Problem or Delayed Seeking Care in the Previous 12 Months Because the Service Was Not Covered by Their Insurance		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Head of Household Education Level					
Some High School	6.0%	40,500	2.2% ± *1.7%*	900	4.1%
High School Grad/Some College	41.8%	284,800	3.5% ± *1.1%*	10,100	45.7%
Tech/Vocational/Assoc. Degree	11.1%	75,500	6.1% ± *3.4%*	4,600	20.8%
4 Year College Degree or More	41.1%	279,900	2.3% ± *0.8%*	6,500	29.4%
Total, All Insured Children Age 17 and Under	100.0%	680,700	3.3% ± *0.7%*	22,200	100.0%
Hispanic Status					
Hispanic	11.1%	75,700	2.7% ± *2.5%*	2,100	9.5%
Non-Hispanic	88.9%	604,900	3.3% ± *0.7%*	20,100	90.5%
Total, All Insured Children Age 17 and Under	100.0%	680,700	3.3% ± *0.7%*	22,200	100.0%

1 Population estimates based on the 2001 UHSS and rounded to the nearest 100 persons.
2 Plus or minus 95% confidence interval.
3 Rounded to the nearest 100 persons.
4 Figures in these columns may not sum to the total because of missing values on the grouping variables.
5 These rates have not been age-adjusted.

2001 Utah Health Status Survey, Utah Department of Health





- Children in Southeastern (8.5%), Tooele (5.5%), and TriCounty (5.5%) health districts had significantly more difficulty finding needed health care services in their area compared to the statewide average (1.5%).

Table 7. Adequacy of Health Insurance: Percentage of Insured Children Who Experienced a Problem or Delayed Seeking Needed Medical, Dental, or Mental Health Care in the Previous 12 Months Because They Could Not Find the Services in Their Area
by Selected Demographic Characteristics, Utah Insured Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Insured Utah Children Who Experienced a Problem or Delayed Seeking Care in the Previous 12 Months Because They Could Not Find the Services in Their Area		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Insured Children Age 17 and Under	100.0%	680,700	1.5% ± *0.4%*	10,200	100.0%
Sex					
Male	51.7%	352,200	1.6% ± *0.5%*	5,800	56.9%
Female	48.3%	328,500	1.3% ± *0.4%*	4,400	43.1%
Total, All Insured Children Age 17 and Under	100.0%	680,700	1.5% ± *0.4%*	10,200	100.0%
Age Group					
5 and Under	36.4%	247,600	1.3% ± *0.5%*	3,200	31.4%
6 to 12	38.2%	260,300	1.5% ± *0.5%*	4,000	39.2%
13 to 17	25.4%	172,700	1.7% ± *0.6%*	3,000	29.4%
Total, All Insured Children Age 17 and Under	100.0%	680,700	1.5% ± *0.4%*	10,200	100.0%
Sex and Age					
Males, 5 and Under	19.2%	130,800	1.6% ± *0.7%*	2,100	20.6%
Males, 6 to12	19.4%	132,200	1.6% ± *0.7%*	2,200	21.6%
Males, 13 to 17	13.1%	89,200	1.8% ± *1.0%*	1,600	15.7%
Females, 5 and Under	17.2%	116,900	1.0% ± *0.6%*	1,100	10.8%
Females, 6 to 12	18.8%	128,200	1.4% ± *0.7%*	1,800	17.6%
Females, 13 to 17	12.3%	83,400	1.7% ± *0.7%*	1,400	13.7%
Total, All Insured Children Age 17 and Under	100.0%	680,700	1.5% ± *0.4%*	10,200	100.0%
Local Health District[5]					
Bear River	6.5%	44,500	1.9% ± *1.5%*	900	8.9%
Central	3.1%	21,000	3.1% ± *1.7%*	700	6.9%
Davis	12.2%	83,400	*** ± ***	***	***
Salt Lake	37.2%	253,100	0.8% ± *0.6%*	2,000	19.8%
Southeastern	2.5%	17,000	8.5% ± *4.1%*	1,400	13.9%
Southwest	5.9%	40,000	3.2% ± *2.5%*	1,300	12.9%
Summit	1.2%	8,400	4.2% ± *3.4%*	400	4.0%
Tooele	2.0%	13,700	5.5% ± *2.3%*	700	6.9%
TriCounty	1.9%	13,000	5.5% ± *2.9%*	700	6.9%
Utah County	17.9%	122,000	0.8% ± *0.6%*	1,000	9.9%
Wasatch	0.7%	4,700	3.1% ± *2.6%*	100	1.0%
Weber-Morgan	8.8%	59,900	*** ± ***	***	***
Total, All Insured Children Age 17 and Under	100.0%	680,700	1.5% ± *0.4%*	10,200	100.0%
Annual Household Income					
Under $20,000	8.0%	54,800	3.2% ± *1.8%*	1,800	16.1%
$20,000 to <$45,000	32.8%	223,500	1.8% ± *0.7%*	4,000	35.7%
$45,000 to <$65,000	26.7%	181,600	1.9% ± *0.9%*	3,500	31.3%
$65,000 and Over	32.4%	220,800	0.9% ± *0.5%*	1,900	17.0%
Total, All Insured Children Age 17 and Under	100.0%	680,700	1.5% ± *0.4%*	10,200	100.0%

Table 7. Adequacy of Health Insurance: Percentage of Insured Children Who Experienced a Problem or Delayed Seeking Needed Medical, Dental, or Mental Health Care in the Previous 12 Months Because They Could Not Find the Services in Their Area (continued)
by Selected Demographic Characteristics, Utah Insured Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Insured Utah Children Who Experienced a Problem or Delayed Seeking Care in the Previous 12 Months Because They Could Not Find the Services in Their Area		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Head of Household Education Level					
Some High School	6.0%	40,500	1.1% ± *1.0%*	500	4.9%
High School Grad/Some College	41.8%	284,800	1.7% ± *0.6%*	4,900	48.0%
Tech/Vocational/Assoc. Degree	11.1%	75,500	2.0% ± *1.3%*	1,500	14.7%
4 Year College Degree or More	41.1%	279,900	1.2% ± *0.5%*	3,300	32.4%
Total, All Insured Children Age 17 and Under	100.0%	680,700	1.5% ± *0.4%*	10,200	100.0%
Hispanic Status					
Hispanic	11.1%	75,700	1.2% ± *1.0%*	900	8.9%
Non-Hispanic	88.9%	604,900	1.5% ± *0.4%*	9,200	91.1%
Total, All Insured Children Age 17 and Under	100.0%	680,700	1.5% ± *0.4%*	10,200	100.0%

1 Population estimates based on the 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

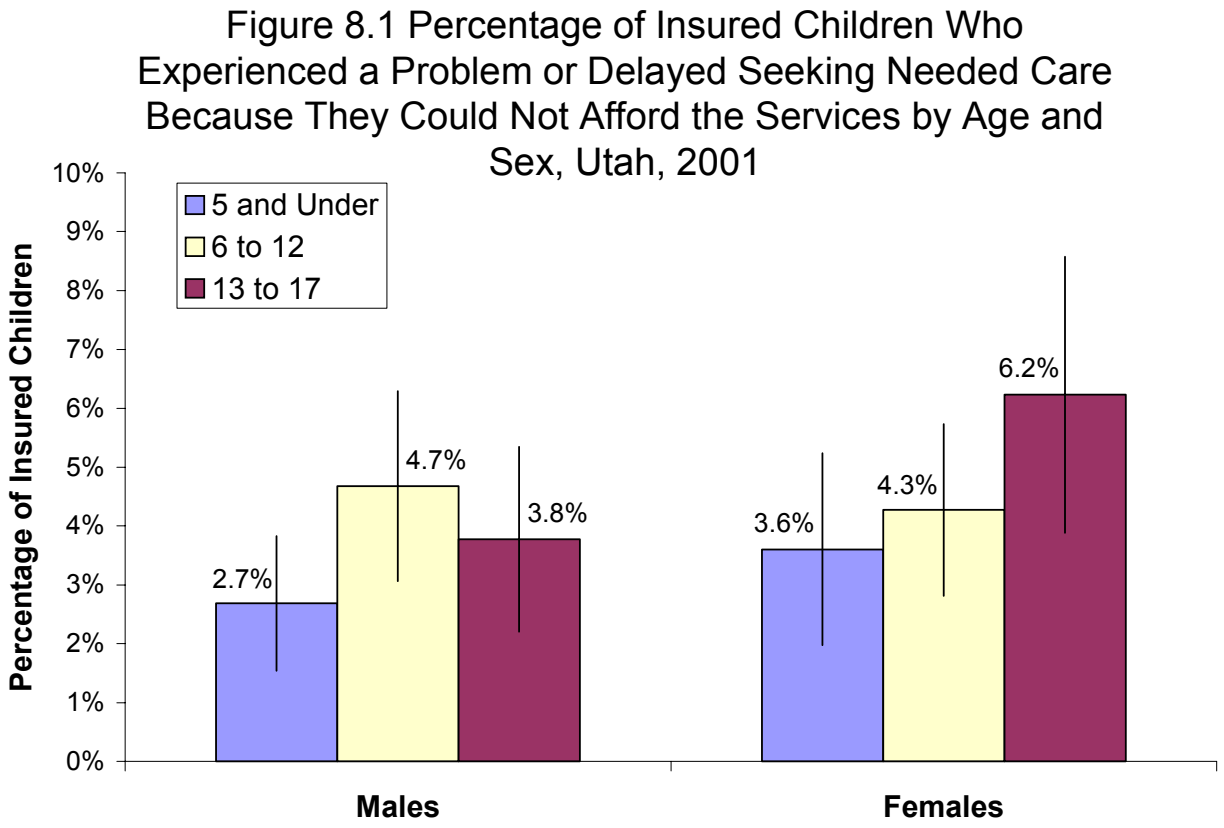
3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health



- More than four percent (4.1%) of insured children experienced a problem or delayed seeking needed medical, dental, or mental health care because they could not afford the services.

Table 8. Adequacy of Health Insurance: Percentage of Insured Children Who Experienced a Problem or Delayed Seeking Needed Medical, Dental, or Mental Health Care in the Previous 12 Months Because They Could Not Afford the Services
by Selected Demographic Characteristics, Utah Insured Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Insured Utah Children Who Experienced a Problem or Delayed Seeking Care in the Previous 12 Months Because They Could Not Afford the Services		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Insured Utah Children Age 17 and Under	100.0%	680,700	4.1% ± *0.9%*	28,000	100.0%
Sex					
Male	51.7%	352,200	3.7% ± *0.9%*	13,100	46.8%
Female	48.3%	328,500	4.5% ± *1.1%*	14,900	53.2%
Total, All Insured Children Age 17 and Under	100.0%	680,700	4.1% ± *0.9%*	28,000	100.0%
Age Group					
5 and Under	36.4%	247,600	3.1% ± *1.0%*	7,700	27.5%
6 to 12	38.2%	260,300	4.5% ± *1.2%*	11,700	41.8%
13 to 17	25.4%	172,700	5.0% ± *1.4%*	8,600	30.7%
Total, All Insured Children Age 17 and Under	100.0%	680,700	4.1% ± *0.9%*	28,000	100.0%
Sex and Age					
Males, 5 and Under	19.2%	130,800	2.7% ± *1.1%*	3,500	12.5%
Males, 6 to12	19.4%	132,200	4.7% ± *1.6%*	6,200	22.1%
Males, 13 to 17	13.1%	89,200	3.8% ± *1.6%*	3,400	12.1%
Females, 5 and Under	17.2%	116,900	3.6% ± *1.6%*	4,200	15.0%
Females, 6 to 12	18.8%	128,200	4.3% ± *1.5%*	5,500	19.6%
Females, 13 to 17	12.3%	83,400	6.2% ± *2.3%*	5,200	18.6%
Total, All Insured Children Age 17 and Under	100.0%	680,700	4.1% ± *0.9%*	28,000	100.0%
Local Health District[5]					
Bear River	6.5%	44,500	2.9% ± *2.0%*	1,300	4.6%
Central	3.1%	21,000	*** ± ***	***	***
Davis	12.2%	83,400	3.4% ± *2.2%*	2,800	10.0%
Salt Lake	37.2%	253,100	4.1% ± *1.7%*	10,400	37.1%
Southeastern	2.5%	17,000	8.2% ± *5.3%*	1,400	5.0%
Southwest	5.9%	40,000	6.0% ± *3.3%*	2,400	8.6%
Summit	1.2%	8,400	3.8% ± *2.8%*	300	1.1%
Tooele	2.0%	13,700	1.2% ± *1.0%*	200	0.7%
TriCounty	1.9%	13,000	3.0% ± *1.8%*	400	1.4%
Utah County	17.9%	122,000	4.7% ± *2.2%*	5,800	20.7%
Wasatch	0.7%	4,700	5.8% ± *4.0%*	300	1.1%
Weber-Morgan	8.8%	59,900	3.6% ± *2.5%*	2,100	7.5%
Total, All Insured Children Age 17 and Under	100.0%	680,700	4.1% ± *0.9%*	28,000	100.0%
Annual Household Income					
Under $20,000	8.0%	54,800	9.4% ± *5.7%*	5,200	16.9%
$20,000 to <$45,000	32.8%	223,500	6.4% ± *1.9%*	14,300	46.6%
$45,000 to <$65,000	26.7%	181,600	3.3% ± *1.6%*	5,900	19.2%
$65,000 and Over	32.4%	220,800	2.4% ± *1.2%*	5,300	17.3%
Total, All Insured Children Age 17 and Under	100.0%	680,700	4.1% ± *0.9%*	28,000	100.0%

Table 8. Adequacy of Health Insurance: Percentage of Insured Children Who Experienced a Problem or Delayed Seeking Needed Medical, Dental, or Mental Health Care in the Previous 12 Months Because They Could Not Afford the Services (continued)
by Selected Demographic Characteristics, Utah Insured Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Insured Utah Children Who Experienced a Problem or Delayed Seeking Care in the Previous 12 Months Because They Could Not Afford the Services		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Head of Household Education Level					
Some High School	6.0%	40,500	4.0% ± *3.1%*	1,600	5.7%
High School Grad/Some College	41.8%	284,800	4.3% ± *1.3%*	12,100	43.4%
Tech/Vocational/Assoc. Degree	11.1%	75,500	6.9% ± *4.0%*	5,200	18.6%
4 Year College Degree or More	41.1%	279,900	3.2% ± *1.1%*	9,000	32.3%
Total, All Insured Children Age 17 and Under	100.0%	680,700	4.1% ± *0.9%*	28,000	100.0%
Hispanic Status					
Hispanic	11.1%	75,700	4.0% ± *2.9%*	3,100	11.0%
Non-Hispanic	88.9%	604,900	4.1% ± *0.9%*	25,000	89.0%
Total, All Insured Children Age 17 and Under	100.0%	680,700	4.1% ± *0.9%*	28,000	100.0%

1 Population estimates based on the 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health

Figure 9.1 Percentage of Children Who Needed to Use Prescription Medicine but Could Not Because of the Cost by Age and Sex, Utah, 2001

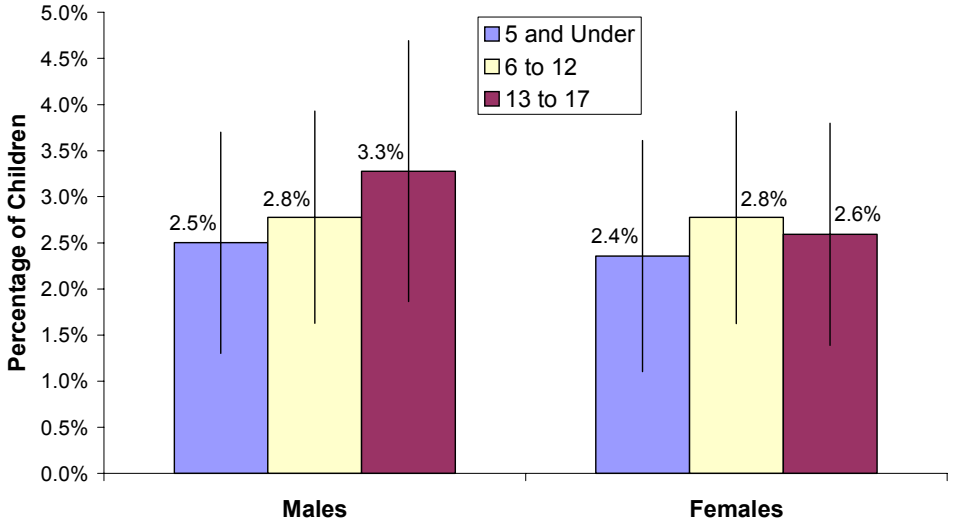
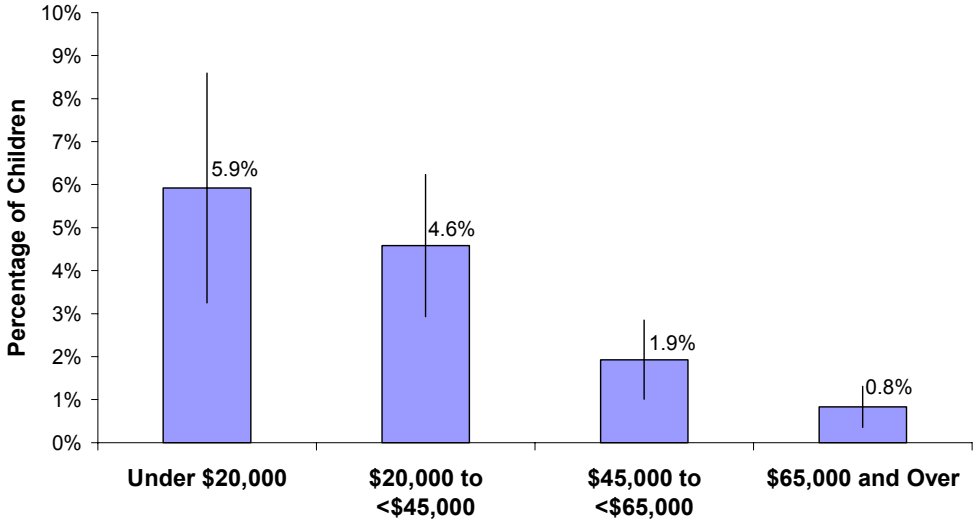


Figure 9.2 Percentage of Children Who Needed to Use Prescription Medicine but Could Not Because of the Cost by Annual Household Income, Utah, 2001



- The percentage of children who needed to use prescription medication but could not because of the cost was higher for:
  - Hispanic children (7.1%)
  - children with "fair" or "poor" health status (14.2%)
  - children with no health insurance (9.5%).

Table 9. Prescriptions: Percentage of Children Who Needed to Use Prescription Medicine in the Previous 12 Months but Could Not Because of the Cost
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Needed to Use Prescription Medicine in the Previous 12 Months but Could Not Because of the Cost		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	730,417	2.7% ± *0.6%*	19,700	100.0%
Sex					
Male	51.4%	375,761	2.8% ± *0.8%*	10,600	53.5%
Female	48.6%	354,656	2.6% ± *0.7%*	9,200	46.5%
Total, All Children Age 17 and Under	100.0%	730,417	2.7% ± *0.6%*	19,700	100.0%
Age Group					
5 and Under	35.5%	259,499	2.4% ± *0.9%*	6,300	32.0%
6 to 12	37.4%	273,034	2.8% ± *0.9%*	7,600	38.6%
13 to 17	27.1%	197,884	2.9% ± *0.9%*	5,800	29.4%
Total, All Children Age 17 and Under	100.0%	730,417	2.7% ± *0.6%*	19,700	100.0%
Sex and Age					
Males, 5 and Under	18.3%	133,416	2.5% ± *1.2%*	3,300	16.8%
Males, 6 to12	19.3%	140,630	2.8% ± *1.2%*	3,900	19.8%
Males, 13 to 17	13.9%	101,715	3.3% ± *1.4%*	3,300	16.8%
Females, 5 and Under	17.3%	126,083	2.4% ± *1.3%*	3,000	15.2%
Females, 6 to 12	18.1%	132,404	2.8% ± *1.2%*	3,700	18.8%
Females, 13 to 17	13.2%	96,169	2.6% ± *1.2%*	2,500	12.7%
Total, All Children Age 17 and Under	100.0%	730,417	2.7% ± *0.6%*	19,700	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	2.4% ± *1.6%*	1,100	5.6%
Central	3.1%	22,796	*** ± ***	***	***
Davis	11.5%	84,043	1.9% ± *1.3%*	1,600	8.1%
Salt Lake	38.0%	277,625	2.6% ± *1.1%*	7,200	36.5%
Southeastern	2.3%	16,849	6.2% ± *3.7%*	1,100	5.6%
Southwest	6.2%	45,430	2.0% ± *1.3%*	900	4.6%
Summit	1.2%	9,093	1.7% ± *1.7%*	200	1.0%
Tooele	2.1%	14,994	1.7% ± *0.9%*	300	1.5%
TriCounty	1.9%	14,206	3.1% ± *2.1%*	400	2.0%
Utah County	17.9%	130,967	1.7% ± *1.1%*	2,300	11.7%
Wasatch	0.7%	5,285	2.3% ± *1.6%*	100	0.5%
Weber-Morgan	8.8%	64,084	6.4% ± *4.0%*	4,100	20.8%
Total, All Children Age 17 and Under	100.0%	730,417	2.7% ± *0.6%*	19,700	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	5.9% ± *2.7%*	3,500	17.2%
$20,000 to <$45,000	32.8%	239,900	4.6% ± *1.7%*	11,000	54.2%
$45,000 to <$65,000	26.7%	194,900	1.9% ± *0.9%*	3,800	18.7%
$65,000 and Over	32.4%	236,900	0.8% ± *0.5%*	2,000	9.9%
Total, All Children Age 17 and Under	100.0%	730,400	2.7% ± *0.6%*	19,700	100.0%

Table 9. Prescriptions: Percentage of Children Who Needed to Use Prescription Medicine in the Previous 12 Months but Could Not Because of the Cost (continued)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Needed to Use Prescription Medicine in the Previous 12 Months but Could Not Because of the Cost		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Head of Household Education Level					
Some High School	6.0%	43,500	3.9% ± *3.7%*	1,700	8.7%
High School Grad/Some College	41.8%	305,600	3.5% ± *1.1%*	10,600	54.1%
Tech/Vocational/Assoc. Degree	11.1%	81,000	4.1% ± *2.2%*	3,300	16.8%
4 Year College Degree or More	41.1%	300,300	1.3% ± *0.6%*	4,000	20.4%
Total, All Children Age 17 and Under	100.0%	730,400	2.7% ± *0.6%*	19,700	100.0%
Hispanic Status					
Hispanic	11.1%	81,200	7.1% ± *3.5%*	5,800	29.1%
Non-Hispanic	88.9%	649,200	2.2% ± *0.5%*	14,100	70.9%
Total, All Children Age 17 and Under	100.0%	730,400	2.7% ± *0.6%*	19,700	100.0%
Health Status					
Fair/Poor	2.3%	16,700	14.2% ± *6.5%*	2,400	12.1%
Good/Excellent	97.7%	713,700	2.4% ± *0.6%*	17,400	87.9%
Total, All Children Age 17 and Under	100.0%	730,400	2.7% ± *0.6%*	19,700	100.0%
Insurance Coverage					
Insured	93.2%	680,700	2.2% ± *0.6%*	14,800	75.5%
Not Insured	6.8%	49,800	9.5% ± *4.8%*	4,800	24.5%
Total, All Children Age 17 and Under	100.0%	730,400	2.7% ± *0.6%*	19,700	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

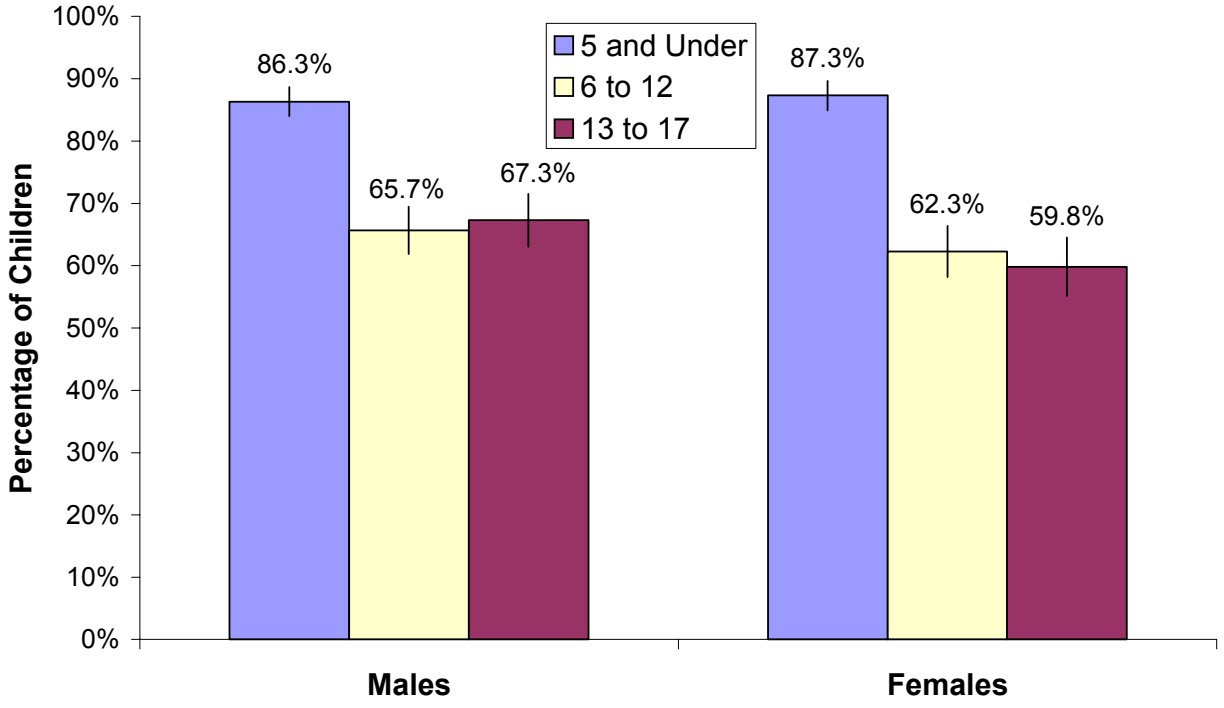
4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health

Figure 10.1 Percentage of Children Who Received a Routine Medical Check-up in the Past 12 Months by Age and Sex, Utah, 2001



- The majority (73.2%) of Utah children received routine medical check-ups in the previous 12 months.
- The percentage of children who received a routine medical check-up in the previous 12 months was higher among Hispanic children compared to non-Hispanic children (84.3% vs. 72.1%).

Table 10. Preventive Medical Visit: Percentage of Children Who Received a Routine Medical Check-up in the Previous 12 Months
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Received a Routine Medical Check-up in the Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	730,417	73.2% ± *1.8%*	534,400	100.0%
Sex					
Male	51.4%	375,761	74.4% ± *2.2%*	279,400	52.3%
Female	48.6%	354,656	71.9% ± *2.4%*	254,900	47.7%
Total, All Children Age 17 and Under	100.0%	730,417	73.2% ± *1.8%*	534,400	100.0%
Age Group					
5 and Under	35.5%	259,499	86.8% ± *1.7%*	225,200	42.8%
6 to 12	37.4%	273,034	64.1% ± *3.0%*	174,900	33.2%
13 to 17	27.1%	197,884	63.7% ± *3.3%*	126,100	24.0%
Total, All Children Age 17 and Under	100.0%	730,417	73.2% ± *1.8%*	534,400	100.0%
Sex and Age					
Males, 5 and Under	18.3%	133,416	86.3% ± *2.4%*	115,200	21.9%
Males, 6 to12	19.3%	140,630	65.7% ± *3.8%*	92,400	17.6%
Males, 13 to 17	13.9%	101,715	67.3% ± *4.2%*	68,400	13.0%
Females, 5 and Under	17.3%	126,083	87.3% ± *2.4%*	110,100	20.9%
Females, 6 to 12	18.1%	132,404	62.3% ± *4.1%*	82,500	15.7%
Females, 13 to 17	13.2%	96,169	59.8% ± *4.7%*	57,500	10.9%
Total, All Children Age 17 and Under	100.0%	730,417	73.2% ± *1.8%*	534,400	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	68.0% ± *5.6%*	30,600	5.7%
Central	3.1%	22,796	69.3% ± *6.0%*	15,800	3.0%
Davis	11.5%	84,043	74.5% ± *5.9%*	62,600	11.7%
Salt Lake	38.0%	277,625	76.2% ± *3.2%*	211,500	39.6%
Southeastern	2.3%	16,849	67.4% ± *7.1%*	11,400	2.1%
Southwest	6.2%	45,430	68.2% ± *6.3%*	31,000	5.8%
Summit	1.2%	9,093	72.5% ± *6.3%*	6,600	1.2%
Tooele	2.1%	14,994	77.0% ± *4.5%*	11,500	2.2%
TriCounty	1.9%	14,206	70.7% ± *5.3%*	10,000	1.9%
Utah County	17.9%	130,967	69.0% ± *4.7%*	90,400	16.9%
Wasatch	0.7%	5,285	70.7% ± *6.0%*	3,700	0.7%
Weber-Morgan	8.8%	64,084	76.5% ± *5.5%*	49,000	9.2%
Total, All Children Age 17 and Under	100.0%	730,417	73.2% ± *1.8%*	534,400	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	77.5% ± *5.6%*	45,600	8.5%
$20,000 to <$45,000	32.8%	239,900	77.6% ± *3.1%*	186,100	34.6%
$45,000 to <$65,000	26.7%	194,900	70.7% ± *3.8%*	137,800	25.6%
$65,000 and Over	32.4%	236,900	70.9% ± *3.3%*	168,100	31.3%
Total, All Children Age 17 and Under	100.0%	730,400	73.2% ± *1.8%*	534,400	100.0%

Table 10. Preventive Medical Visit: Percentage of Children Who Received a Routine Medical Check-up in the Previous 12 Months (continued)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Received a Routine Medical Check-up in the Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Head of Household Education Level					
Some High School	6.0%	43,500	77.9% ± *7.3%*	33,900	6.3%
High School Grad/Some College	41.8%	305,600	75.1% ± *2.6%*	229,500	42.9%
Tech/Vocational/Assoc. Degree	11.1%	81,000	69.8% ± *6.0%*	56,500	10.6%
4 Year College Degree or More	41.1%	300,300	71.6% ± *2.8%*	215,100	40.2%
Total, All Children Age 17 and Under	100.0%	730,400	73.2% ± *1.8%*	534,400	100.0%
Hispanic Status					
Hispanic	11.1%	81,200	84.3% ± *4.7%*	68,500	12.8%
Non-Hispanic	88.9%	649,200	72.1% ± *1.9%*	467,800	87.2%
Total, All Children Age 17 and Under	100.0%	730,400	73.2% ± *1.8%*	534,400	100.0%
Health Status					
Fair/Poor	2.3%	16,700	78.7% ± *8.9%*	13,100	2.5%
Good/Excellent	97.7%	713,700	73.1% ± *1.8%*	521,500	97.5%
Total, All Children Age 17 and Under	100.0%	730,400	73.2% ± *1.8%*	534,400	100.0%
Insurance Coverage					
Insured	93.2%	680,700	73.2% ± *1.9%*	498,400	93.2%
Not Insured	6.8%	49,800	73.2% ± *8.4%*	36,400	6.8%
Total, All Children Age 17 and Under	100.0%	730,400	73.2% ± *1.8%*	534,400	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

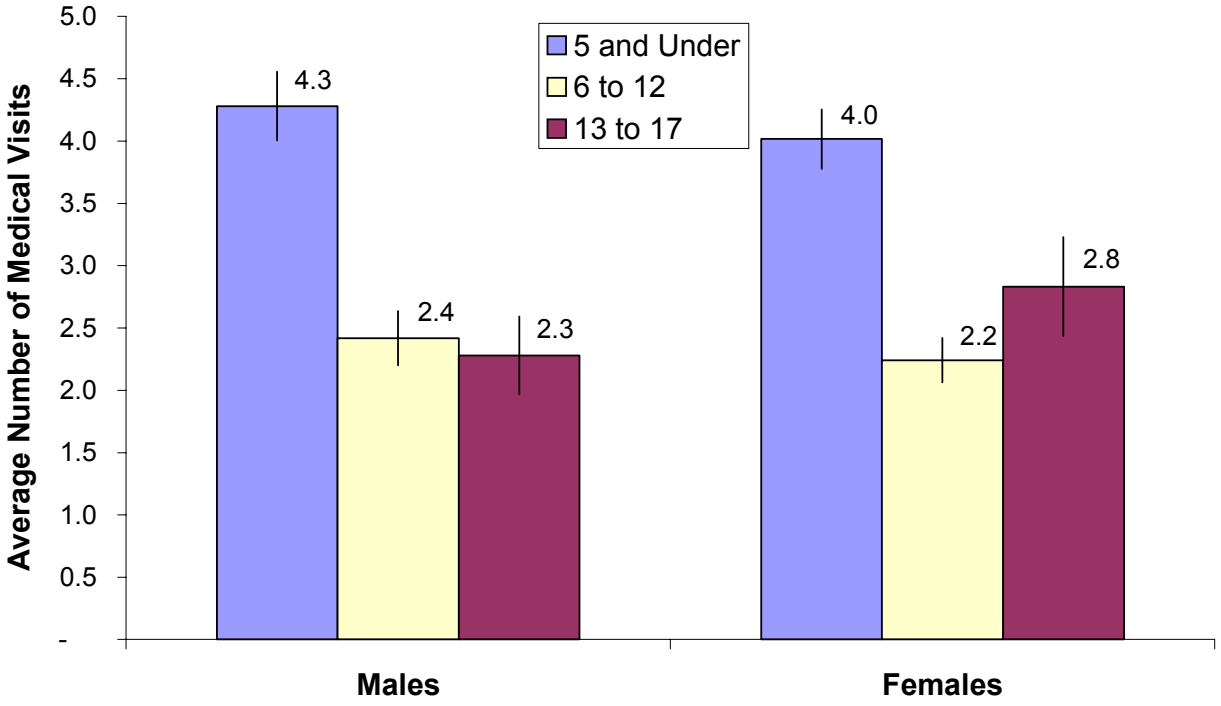
3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

2001 Utah Health Status Survey, Utah Department of Health

Figure 11.1 Average Number of Medical Visits in the Previous 12 Months by Age and Sex, Utah Children, 2001



- On average, Utah children from birth to age 17 had three medical visits during the previous year.
- On average, children who made more medical visits were:
  - children with fair/poor health status (11.6 visits)
  - children living in households with an annual income below $20,000 (4.0 visits)
  - children aged five and under (4.2 visits)

Table 11. Health Care Utilization: Average Number of Medical Visits in the Previous 12 Months
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Average Number of Medical Visits in Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Average Number of Medical Visits, Last 12 Months[2]	Total Number of Medical Visits[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	730,417	3.0 ± *0.1*	2,218,500	100.0%
Sex					
Male	51.4%	375,761	3.1 ± *0.2*	1,148,700	51.8%
Female	48.6%	354,656	3.0 ± *0.2*	1,069,800	48.2%
Total, All Children Age 17 and Under	100.0%	730,417	3.0 ± *0.1*	2,218,500	100.0%
Age Group					
5 and Under	35.5%	259,499	4.2 ± *0.2*	1,077,900	48.6%
6 to 12	37.4%	273,034	2.3 ± *0.1*	636,100	28.7%
13 to 17	27.1%	197,884	2.5 ± *0.3*	503,700	22.7%
Total, All Children Age 17 and Under	100.0%	730,417	3.0 ± *0.1*	2,218,500	100.0%
Sex and Age					
Males, 5 and Under	18.3%	133,416	4.3 ± *0.3*	571,100	25.7%
Males, 6 to12	19.3%	140,630	2.4 ± *0.2*	339,900	15.3%
Males, 13 to 17	13.9%	101,715	2.3 ± *0.3*	231,900	10.5%
Females, 5 and Under	17.3%	126,083	4.0 ± *0.2*	506,400	22.8%
Females, 6 to 12	18.1%	132,404	2.2 ± *0.2*	296,700	13.4%
Females, 13 to 17	13.2%	96,169	2.8 ± *0.4*	272,300	12.3%
Total, All Children Age 17 and Under	100.0%	730,417	3.0 ± *0.1*	2,218,500	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	3.1 ± *0.3*	140,600	6.3%
Central	3.1%	22,796	2.9 ± *0.3*	65,500	3.0%
Davis	11.5%	84,043	2.9 ± *0.3*	245,100	11.0%
Salt Lake	38.0%	277,625	3.1 ± *0.2*	858,500	38.7%
Southeastern	2.3%	16,849	3.1 ± *0.4*	52,700	2.4%
Southwest	6.2%	45,430	2.7 ± *0.4*	124,700	5.6%
Summit	1.2%	9,093	3.2 ± *0.4*	28,900	1.3%
Tooele	2.1%	14,994	3.1 ± *0.3*	47,200	2.1%
TriCounty	1.9%	14,206	3.1 ± *0.3*	43,500	2.0%
Utah County	17.9%	130,967	3.1 ± *0.3*	405,300	18.3%
Wasatch	0.7%	5,285	2.9 ± *0.3*	15,400	0.7%
Weber-Morgan	8.8%	64,084	3.0 ± *0.4*	191,600	8.6%
Total, All Children Age 17 and Under	100.0%	730,417	3.0 ± *0.1*	2,218,500	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	4.0 ± *0.6*	235,900	10.4%
$20,000 to <$45,000	32.8%	239,900	3.3 ± *0.2*	790,500	34.7%
$45,000 to <$65,000	26.7%	194,900	2.9 ± *0.2*	573,500	25.2%
$65,000 and Over	32.4%	236,900	2.9 ± *0.2*	677,100	29.7%
Total, All Children Age 17 and Under	100.0%	730,400	3.0 ± *0.1*	2,218,400	100.0%

Table 11. Health Care Utilization: Average Number of Medical Visits in the Previous 12 Months (continued)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Average Number of Medical Visits in Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Average Number of Medical Visits, Last 12 Months[2]	Total Number of Medical Visits[3,4]	Percentage Distribution by Demographic Subgroup[4]
Head of Household Education Level					
Some High School	6.0%	43,500	2.6 ± *0.5*	113,400	5.1%
High School Grad/Some College	41.8%	305,600	3.2 ± *0.2*	976,200	44.0%
Tech/Vocational/Assoc. Degree	11.1%	81,000	3.0 ± *0.3*	241,900	10.9%
4 Year College Degree or More	41.1%	300,300	3.0 ± *0.2*	887,000	40.0%
Total, All Children Age 17 and Under	100.0%	730,400	3.0 ± *0.1*	2,218,400	100.0%
Hispanic Status					
Hispanic	11.1%	81,200	2.6 ± *0.3*	211,900	9.5%
Non-Hispanic	88.9%	649,200	3.1 ± *0.1*	2,007,000	90.5%
Total, All Children Age 17 and Under	100.0%	730,400	3.0 ± *0.1*	2,218,400	100.0%
Health Status					
Fair/Poor	2.3%	16,700	11.6 ± *2.1*	194,200	8.7%
Good/Excellent	97.7%	713,700	2.8 ± *0.1*	2,028,900	91.3%
Total, All Children Age 17 and Under	100.0%	730,400	3.0 ± *0.1*	2,218,400	100.0%
Insurance Coverage					
Insured	93.2%	680,700	3.2 ± *0.1*	2,145,500	96.1%
Not Insured	6.8%	49,800	1.7 ± *0.3*	86,500	3.9%
Total, All Children Age 17 and Under	100.0%	730,400	3.0 ± *0.1*	2,218,400	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

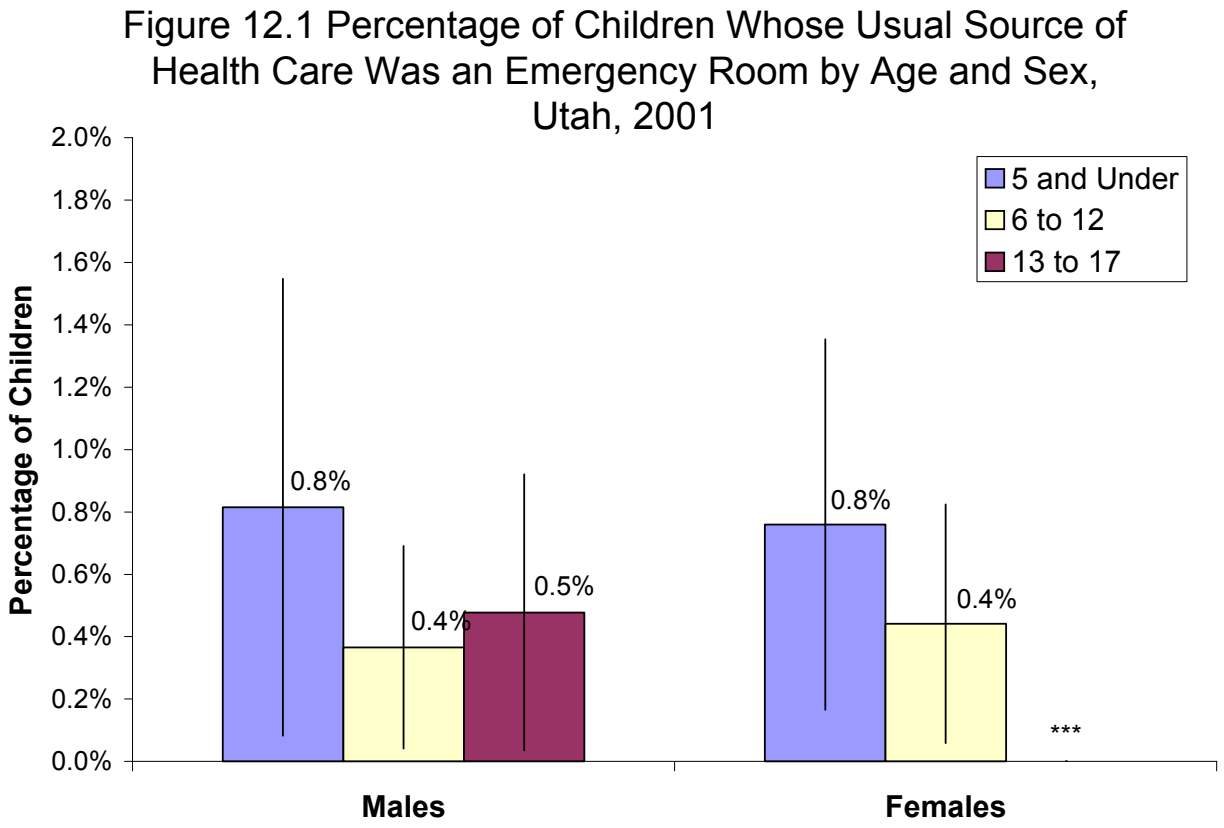
3 Rounded to the nearest 100 visits.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

Note: Does not include overnight hospital stays.

2001 Utah Health Status Survey, Utah Department of Health



- Overall, less than one percent (0.5%) of children were seen in the hospital emergency room as their usual source of care.

Table 12. Place of Care: Percentage of Children Whose Usual Source of Health Care Was a Hospital Emergency Room
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Whose Usual Source of Care Was an Emergency Room		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	730,417	0.5% ± *0.3%*	3,900	100.0%
Sex					
Male	51.4%	375,761	0.6% ± *0.4%*	2,100	53.8%
Female	48.6%	354,656	0.5% ± *0.3%*	1,800	46.2%
Total, All Children Age 17 and Under	100.0%	730,417	0.5% ± *0.3%*	3,900	100.0%
Age Group					
5 and Under	35.5%	259,499	0.8% ± *0.5%*	2,000	52.6%
6 to 12	37.4%	273,034	0.4% ± *0.3%*	1,100	28.9%
13 to 17	27.1%	197,884	0.4% ± *0.3%*	700	18.4%
Total, All Children Age 17 and Under	100.0%	730,417	0.5% ± *0.3%*	3,900	100.0%
Sex and Age					
Males, 5 and Under	18.3%	133,416	0.8% ± *0.7%*	1,100	28.2%
Males, 6 to12	19.3%	140,630	0.4% ± *0.3%*	500	12.8%
Males, 13 to 17	13.9%	101,715	0.5% ± *0.4%*	500	12.8%
Females, 5 and Under	17.3%	126,083	0.8% ± *0.6%*	1,000	25.6%
Females, 6 to 12	18.1%	132,404	0.4% ± *0.4%*	600	15.4%
Females, 13 to 17	13.2%	96,169	*** ± ***	***	***
Total, All Children Age 17 and Under	100.0%	730,417	0.5% ± *0.3%*	3,900	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	*** ± ***	***	***
Central	3.1%	22,796	*** ± ***	***	***
Davis	11.5%	84,043	*** ± ***	***	***
Salt Lake	38.0%	277,625	0.6% ± *0.5%*	1,600	42.1%
Southeastern	2.3%	16,849	*** ± ***	***	***
Southwest	6.2%	45,430	*** ± ***	***	***
Summit	1.2%	9,093	*** ± ***	***	***
Tooele	2.1%	14,994	*** ± ***	***	***
TriCounty	1.9%	14,206	1.9% ± *1.4%*	300	7.9%
Utah County	17.9%	130,967	*** ± ***	***	***
Wasatch	0.7%	5,285	2.8% ± *2.2%*	100	2.6%
Weber-Morgan	8.8%	64,084	*** ± ***	***	***
Total, All Children Age 17 and Under	100.0%	730,417	0.5% ± *0.3%*	3,900	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	2.1% ± 1.8%	1,300	31.7%
$20,000 to <$45,000	32.8%	239,900	1.0% ± *0.7%*	2,300	56.1%
$45,000 to <$65,000	26.7%	194,900	*** ± ***	***	***
$65,000 and Over	32.4%	236,900	*** ± ***	***	***
Total, All Children Age 17 and Under	100.0%	730,400	0.5% ± *0.3%*	3,900	100.0%

Table 12. Place of Care: Percentage of Children Whose Usual Source of Health Care Was a Hospital Emergency Room (continued)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Whose Usual Source of Care Was an Emergency Room		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Head of Household Education Level					
Some High School	6.0%	43,500	*** ± ***	***	***
High School Grad/Some College	41.8%	305,600	0.6% ± *0.4%*	1,800	46.2%
Tech/Vocational/Assoc. Degree	11.1%	81,000	*** ± ***	***	***
4 Year College Degree or More	41.1%	300,300	*** ± ***	***	***
Total, All Children Age 17 and Under	100.0%	730,400	0.5% ± *0.3%*	3,900	100.0%
Hispanic Status					
Hispanic	11.1%	81,200	1.3% ± *1.2%*	1,000	26.3%
Non-Hispanic	88.9%	649,200	0.4% ± *0.3%*	2,800	73.7%
Total, All Children Age 17 and Under	100.0%	730,400	0.5% ± *0.3%*	3,900	100.0%
Health Status					
Fair/Poor	2.3%	16,700	*** ± ***	***	***
Good/Excellent	97.7%	713,700	0.5% ± 0.3%	3,900	100.0%
Total, All Children Age 17 and Under	100.0%	730,400	0.5% ± *0.3%*	3,900	100.0%
Insurance Coverage					
Insured	93.2%	680,700	0.5% ± *0.3%*	3,700	92.5%
Not Insured	6.8%	49,800	*** ± ***	***	***
Total, All Children Age 17 and Under	100.0%	730,400	0.5% ± *0.3%*	3,900	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health

Figure 13.1 Percentage of Children Who Had No Usual Place of Medical Care by Age and Sex, Utah, 2001

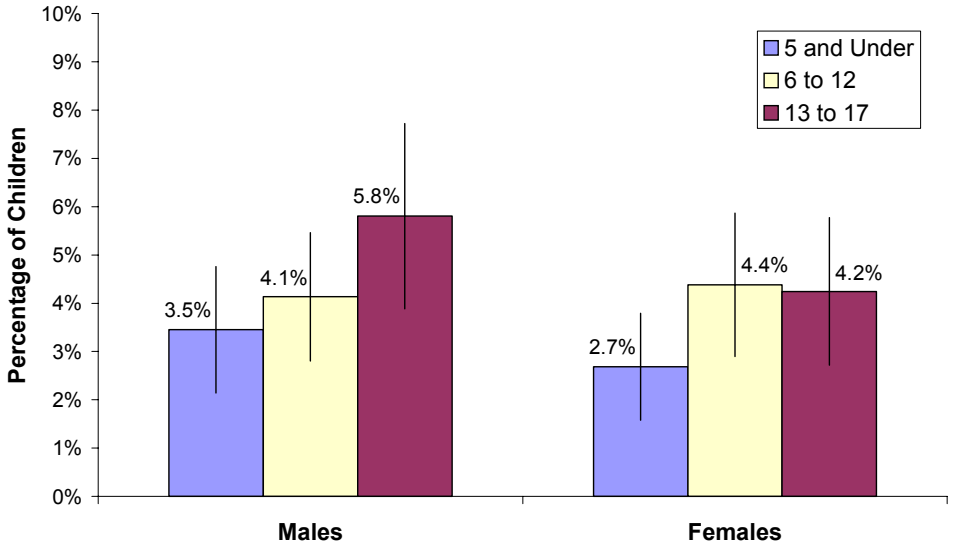
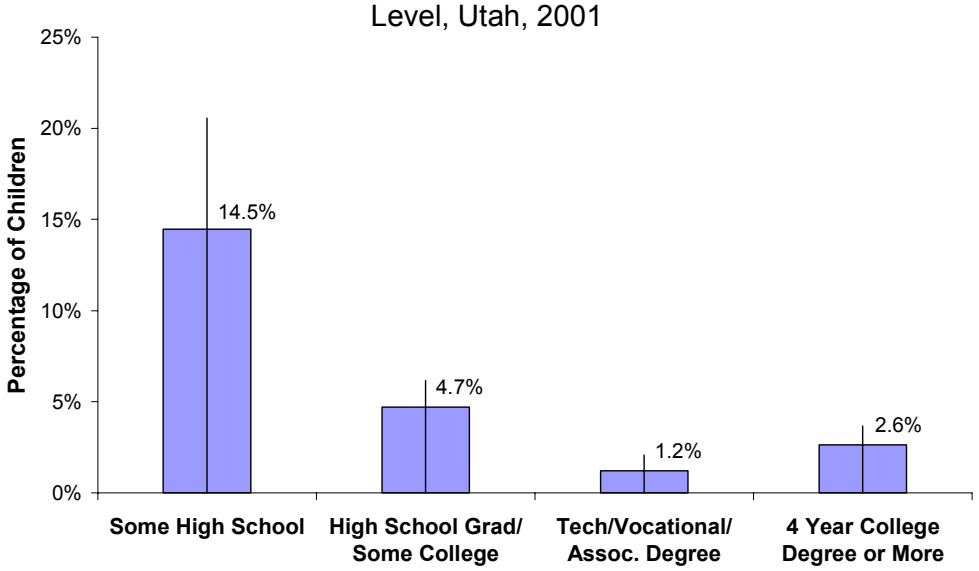


Figure 13.2 Percentage of Children Who Had No Usual Place of Medical Care by Head of Household Education Level, Utah, 2001



- The percentage of children who had no usual place of medical care was 4.0%, representing 29,500 children.
- The percentage of children who had no usual place of care was higher for children without insurance than insured children (15.4% vs. 2.7%).

Table 13. Place of Care: Percentage of Children Who Had No Usual Place of Medical Care
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children With No Usual Place of Medical Care		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	730,417	4.0% ± *0.8%*	29,500	100.0%
Sex					
Male	51.4%	375,761	4.3% ± *1.0%*	16,200	54.9%
Female	48.6%	354,656	3.8% ± *0.9%*	13,300	45.1%
Total, All Children Age 17 and Under	100.0%	730,417	4.0% ± *0.8%*	29,500	100.0%
Age Group					
5 and Under	35.5%	259,499	3.1% ± *1.0%*	8,000	27.0%
6 to 12	37.4%	273,034	4.3% ± *1.2%*	11,600	39.2%
13 to 17	27.1%	197,884	5.1% ± *1.4%*	10,000	33.8%
Total, All Children Age 17 and Under	100.0%	730,417	4.0% ± *0.8%*	29,500	100.0%
Sex and Age					
Males, 5 and Under	18.3%	133,416	3.5% ± *1.3%*	4,600	15.5%
Males, 6 to12	19.3%	140,630	4.1% ± *1.3%*	5,800	19.6%
Males, 13 to 17	13.9%	101,715	5.8% ± *1.9%*	5,900	19.9%
Females, 5 and Under	17.3%	126,083	2.7% ± *1.1%*	3,400	11.5%
Females, 6 to 12	18.1%	132,404	4.4% ± *1.5%*	5,800	19.6%
Females, 13 to 17	13.2%	96,169	4.2% ± *1.5%*	4,100	13.9%
Total, All Children Age 17 and Under	100.0%	730,417	4.0% ± *0.8%*	29,500	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	2.6% ± *2.0%*	1,200	4.0%
Central	3.1%	22,796	2.9% ± *2.1%*	700	2.4%
Davis	11.5%	84,043	2.4% ± *2.1%*	2,000	6.7%
Salt Lake	38.0%	277,625	4.9% ± *1.6%*	13,600	45.8%
Southeastern	2.3%	16,849	4.0% ± *2.7%*	700	2.4%
Southwest	6.2%	45,430	2.1% ± *2.0%*	1,000	3.4%
Summit	1.2%	9,093	5.4% ± *3.0%*	500	1.7%
Tooele	2.1%	14,994	7.9% ± *3.2%*	1,200	4.0%
TriCounty	1.9%	14,206	2.3% ± *1.6%*	300	1.0%
Utah County	17.9%	130,967	2.6% ± *1.5%*	3,500	11.8%
Wasatch	0.7%	5,285	4.5% ± *2.3%*	200	0.7%
Weber-Morgan	8.8%	64,084	7.4% ± *4.2%*	4,800	16.2%
Total, All Children Age 17 and Under	100.0%	730,417	4.0% ± *0.8%*	29,500	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	6.0% ± *3.4%*	3,500	12.6%
$20,000 to <$45,000	32.8%	239,900	5.3% ± *1.8%*	12,800	46.2%
$45,000 to <$65,000	26.7%	194,900	2.4% ± *1.3%*	4,600	16.6%
$65,000 and Over	32.4%	236,900	2.9% ± *1.4%*	6,800	24.5%
Total, All Children Age 17 and Under	100.0%	730,400	4.0% ± *0.8%*	29,500	100.0%

Table 13. Place of Care: Percentage of Children Who Had No Usual Place of Medical Care (continued)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children With No Usual Place of Medical Care		
Demographic Subgroup	Percentage Distribution	Number of Persons[1]	Percentage of Persons[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Head of Household Education Level					
Some High School	6.0%	43,500	14.5% ± *6.1%*	6,300	21.3%
High School Grad/Some College	41.8%	305,600	4.7% ± *1.5%*	14,400	48.6%
Tech/Vocational/Assoc. Degree	11.1%	81,000	1.2% ± *0.9%*	1,000	3.4%
4 Year College Degree or More	41.1%	300,300	2.6% ± *1.0%*	7,900	26.7%
Total, All Children Age 17 and Under	100.0%	730,400	4.0% ± *0.8%*	29,500	100.0%
Hispanic Status					
Hispanic	11.1%	81,200	12.2% ± *4.2%*	9,900	33.1%
Non-Hispanic	88.9%	649,200	3.1% ± *0.8%*	20,000	66.9%
Total, All Children Age 17 and Under	100.0%	730,400	4.0% ± *0.8%*	29,500	100.0%
Health Status					
Fair/Poor	2.3%	16,700	5.6% ± *4.6%*	900	3.1%
Good/Excellent	97.7%	713,700	4.0% ± *0.8%*	28,600	96.9%
Total, All Children Age 17 and Under	100.0%	730,400	4.0% ± *0.8%*	29,500	100.0%
Insurance Coverage					
Insured	93.2%	680,700	2.7% ± *0.7%*	18,400	70.5%
Not Insured	6.8%	49,800	15.4% ± *5.9%*	7,700	29.5%
Total, All Children Age 17 and Under	100.0%	730,400	4.0% ± *0.8%*	29,500	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

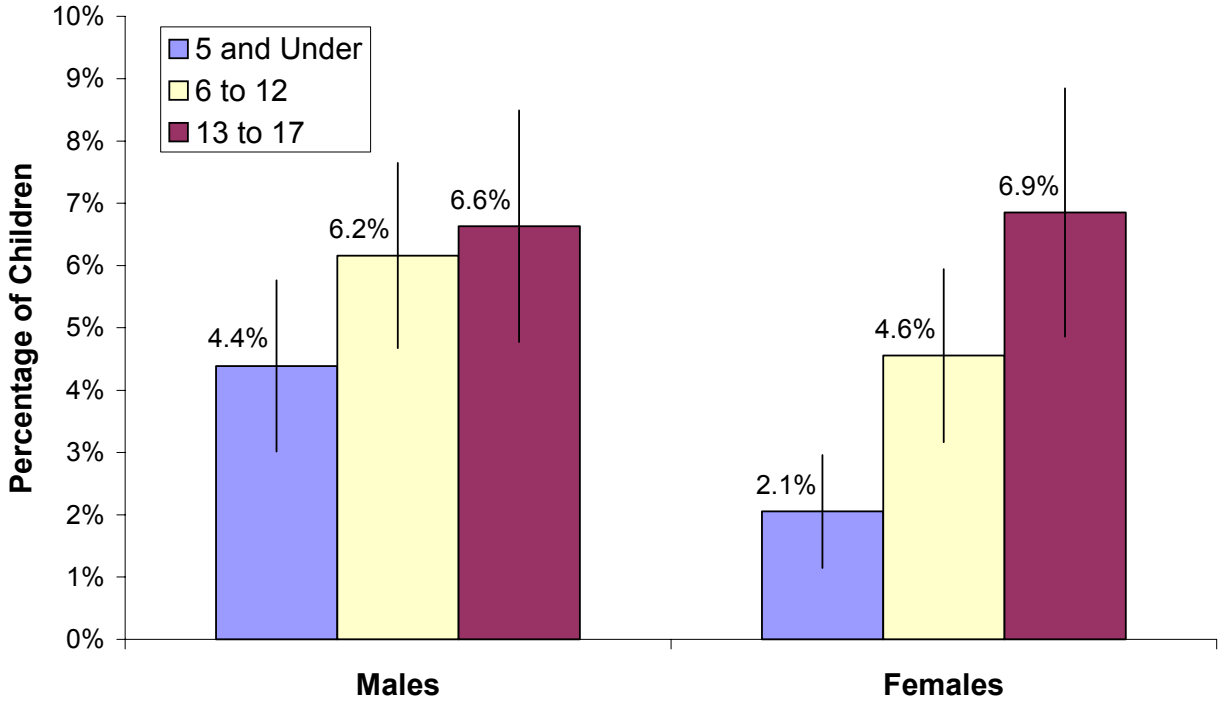
3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

2001 Utah Health Status Survey, Utah Department of Health

Figure 14.1 Percentage of Children Currently Under Medical Care for Asthma by Age and Sex, Utah, 2001



- Five percent of children were reported to be currently under medical care for asthma, representing 36,300 Utah children.
- The percentage of children currently under medical care for asthma was higher among children reported to be in "fair" to "poor" health status compared to children reported to be in good to excellent health status (21.2% vs. 4.6%).

Table 14. Asthma: Percentage of Children Currently Under Medical Care for Asthma
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Currently Under Medical Care for Asthma		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	730,417	5.0% ± *0.7%*	36,300	100.0%
Sex					
Male	51.4%	375,761	5.6% ± *0.9%*	21,200	58.4%
Female	48.6%	354,656	4.3% ± *0.8%*	15,100	41.6%
Total, All Children Age 17 and Under	100.0%	730,417	5.0% ± *0.7%*	36,300	100.0%
Age Group					
5 and Under	35.5%	259,499	3.3% ± *0.9%*	8,500	23.4%
6 to 12	37.4%	273,034	5.4% ± *1.1%*	14,600	40.1%
13 to 17	27.1%	197,884	6.7% ± *1.4%*	13,300	36.5%
Total, All Children Age 17 and Under	100.0%	730,417	5.0% ± *0.7%*	36,300	100.0%
Sex and Age					
Males, 5 and Under	18.3%	133,416	4.4% ± *1.4%*	5,900	16.2%
Males, 6 to12	19.3%	140,630	6.2% ± *1.5%*	8,700	23.8%
Males, 13 to 17	13.9%	101,715	6.6% ± *1.9%*	6,700	18.4%
Females, 5 and Under	17.3%	126,083	2.1% ± *0.9%*	2,600	7.1%
Females, 6 to 12	18.1%	132,404	4.6% ± *1.4%*	6,000	16.4%
Females, 13 to 17	13.2%	96,169	6.9% ± *2.0%*	6,600	18.1%
Total, All Children Age 17 and Under	100.0%	730,417	5.0% ± *0.7%*	36,300	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	4.1% ± *1.7%*	1,800	5.0%
Central	3.1%	22,796	4.7% ± *1.9%*	1,100	3.0%
Davis	11.5%	84,043	6.2% ± *2.3%*	5,200	14.3%
Salt Lake	38.0%	277,625	5.5% ± *1.3%*	15,300	42.1%
Southeastern	2.3%	16,849	5.7% ± *2.5%*	1,000	2.8%
Southwest	6.2%	45,430	4.1% ± *1.8%*	1,900	5.2%
Summit	1.2%	9,093	5.6% ± *2.1%*	500	1.4%
Tooele	2.1%	14,994	5.6% ± *2.0%*	800	2.2%
TriCounty	1.9%	14,206	6.9% ± *2.2%*	1,000	2.8%
Utah County	17.9%	130,967	3.7% ± *1.3%*	4,800	13.2%
Wasatch	0.7%	5,285	5.2% ± *2.2%*	300	0.8%
Weber-Morgan	8.8%	64,084	4.1% ± *2.0%*	2,600	7.2%
Total, All Children Age 17 and Under	100.0%	730,417	5.0% ± *0.7%*	36,300	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	5.4% ± *2.1%*	3,200	8.3%
$20,000 to <$45,000	32.8%	239,900	4.9% ± *1.1%*	11,800	30.7%
$45,000 to <$65,000	26.7%	194,900	4.8% ± *1.4%*	9,300	24.2%
$65,000 and Over	32.4%	236,900	6.0% ± *1.5%*	14,100	36.7%
Total, All Children Age 17 and Under	100.0%	730,400	5.0% ± *0.7%*	36,300	100.0%
Head of Household Education Level					
Some High School	6.0%	43,500	3.3% ± *1.8%*	1,400	3.9%
High School Grad/Some College	41.8%	305,600	4.9% ± *1.0%*	15,000	41.3%
Tech/Vocational/Assoc. Degree	11.1%	81,000	5.1% ± *1.9%*	4,100	11.3%
4 Year College Degree or More	41.1%	300,300	5.3% ± *1.2%*	15,800	43.5%
Total, All Children Age 17 and Under	100.0%	730,400	5.0% ± *0.7%*	36,300	100.0%

Table 14. Asthma: Percentage of Children Currently Under Medical Care for Asthma (cont.)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Currently Under Medical Care for Asthma		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Hispanic Status					
Hispanic	11.1%	81,200	3.7% ± *1.7%*	3,000	8.2%
Non-Hispanic	88.9%	649,200	5.2% ± *0.7%*	33,500	91.8%
Total, All Children Age 17 and Under	100.0%	730,400	5.0% ± *0.7%*	36,300	100.0%
Health Status					
Fair/Poor	2.3%	16,700	21.2% ± *7.4%*	3,500	9.6%
Good/Excellent	97.7%	713,700	4.6% ± *0.7%*	32,800	90.4%
Total, All Children Age 17 and Under	100.0%	730,400	5.0% ± *0.7%*	36,300	100.0%
Insurance Coverage					
Insured	93.2%	680,700	*** ± ***	***	***
Not Insured	6.8%	49,800	*** ± ***	***	***
Total, All Children Age 17 and Under	100.0%	730,400	5.0% ± *0.7%*	36,300	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

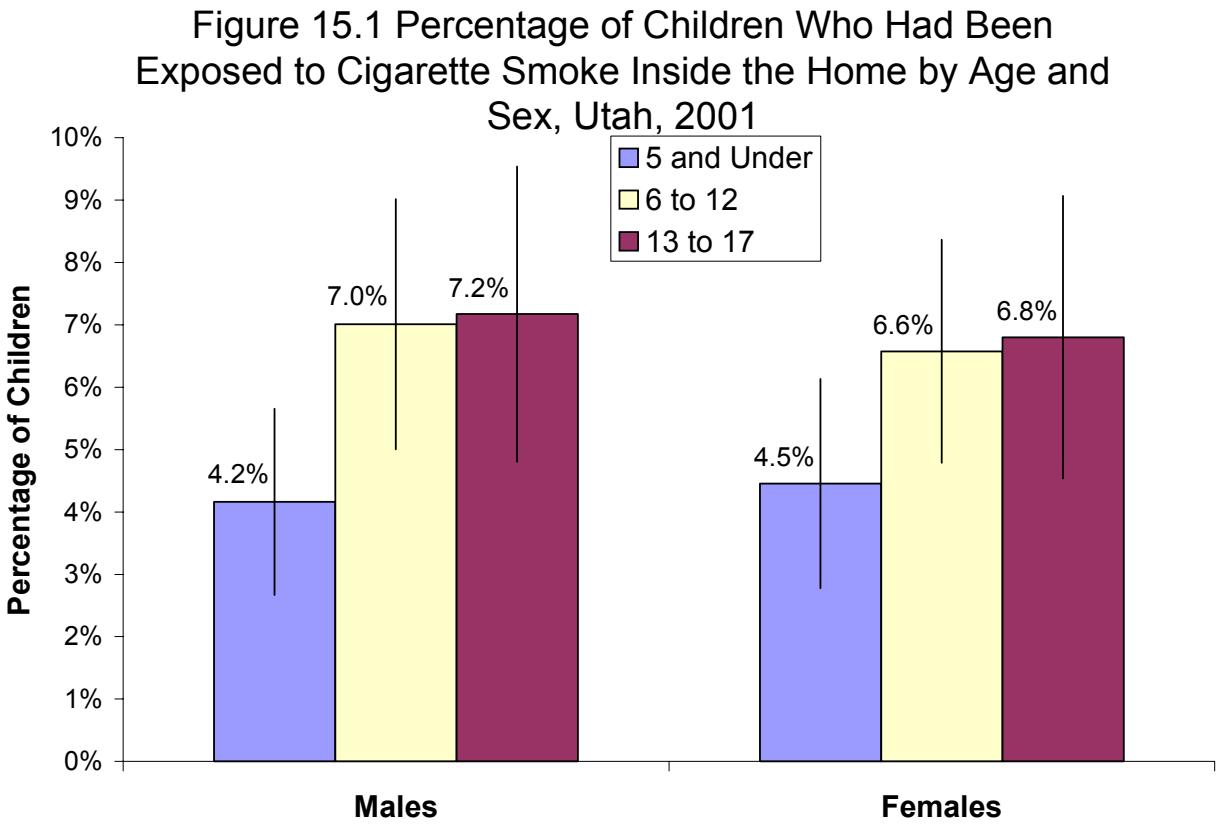
3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health



- Overall, six percent of children in Utah had been exposed to cigarette smoke inside the home.
- Exposure to cigarette smoke inside the home was more common among children living in households with an annual income below $20,000 (15.5%) and with the head of household lacking a high school diploma (17.2%).

Table 15. Exposure to Cigarette Smoke: Percentage of Children Who Had Been Exposed to Cigarette Smoke Inside the Home
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Had Been Exposed to Cigarette Smoke Inside the Home		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	730,417	6.0% ± *1.1%*	43,500	100.0%
Sex					
Male	51.4%	375,761	6.0% ± *1.3%*	22,600	52.0%
Female	48.6%	354,656	5.9% ± *1.2%*	20,900	48.0%
Total, All Children Age 17 and Under	100.0%	730,417	6.0% ± *1.1%*	43,500	100.0%
Age Group					
5 and Under	35.5%	259,499	4.3% ± *1.3%*	11,200	25.7%
6 to 12	37.4%	273,034	6.8% ± *1.5%*	18,500	42.5%
13 to 17	27.1%	197,884	7.0% ± *1.7%*	13,800	31.7%
Total, All Children Age 17 and Under	100.0%	730,417	6.0% ± *1.1%*	43,500	100.0%
Sex and Age					
Males, 5 and Under	18.3%	133,416	4.2% ± *1.5%*	5,600	12.8%
Males, 6 to12	19.3%	140,630	7.0% ± *2.0%*	9,900	22.7%
Males, 13 to 17	13.9%	101,715	7.2% ± *2.4%*	7,300	16.7%
Females, 5 and Under	17.3%	126,083	4.5% ± *1.7%*	5,600	12.8%
Females, 6 to 12	18.1%	132,404	6.6% ± *1.8%*	8,700	20.0%
Females, 13 to 17	13.2%	96,169	6.8% ± *2.3%*	6,500	14.9%
Total, All Children Age 17 and Under	100.0%	730,417	6.0% ± *1.1%*	43,500	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	2.8% ± *2.2%*	1,300	3.0%
Central	3.1%	22,796	7.4% ± *3.6%*	1,700	3.9%
Davis	11.5%	84,043	4.2% ± *2.8%*	3,500	8.1%
Salt Lake	38.0%	277,625	7.6% ± *2.3%*	21,100	48.8%
Southeastern	2.3%	16,849	17.6% ± *5.8%*	3,000	6.9%
Southwest	6.2%	45,430	3.5% ± *2.2%*	1,600	3.7%
Summit	1.2%	9,093	7.5% ± *4.2%*	700	1.6%
Tooele	2.1%	14,994	9.2% ± *3.4%*	1,400	3.2%
TriCounty	1.9%	14,206	16.8% ± *4.8%*	2,400	5.6%
Utah County	17.9%	130,967	*** ± ***	***	***
Wasatch	0.7%	5,285	4.2% ± *2.6%*	200	0.5%
Weber-Morgan	8.8%	64,084	9.0% ± *4.6%*	5,700	13.2%
Total, All Children Age 17 and Under	100.0%	730,417	6.0% ± *1.1%*	43,500	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	15.5% ± *5.8%*	9,100	21.6%
$20,000 to <$45,000	32.8%	239,900	7.2% ± *2.1%*	17,200	40.9%
$45,000 to <$65,000	26.7%	194,900	3.5% ± *1.5%*	6,800	16.2%
$65,000 and Over	32.4%	236,900	3.8% ± *1.8%*	9,000	21.4%
Total, All Children Age 17 and Under	100.0%	730,400	6.0% ± *1.1%*	43,500	100.0%
Head of Household Education Level					
Some High School	6.0%	43,500	17.2% ± *6.9%*	7,500	17.2%
High School Grad/Some College	41.8%	305,600	9.1% ± *2.0%*	27,900	64.1%
Tech/Vocational/Assoc. Degree	11.1%	81,000	2.2% ± *1.3%*	1,800	4.1%
4 Year College Degree or More	41.1%	300,300	2.1% ± *1.1%*	6,300	14.5%
Total, All Children Age 17 and Under	100.0%	730,400	6.0% ± *1.1%*	43,500	100.0%

Table 15. Exposure to Cigarette Smoke: Percentage of Children Who Had Been Exposed to Cigarette Smoke Inside the Home (continued)
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Had Been Exposed to Cigarette Smoke Inside the Home		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Hispanic Status					
Hispanic	11.1%	81,200	7.3% ± *3.1%*	5,900	13.7%
Non-Hispanic	88.9%	649,200	5.7% ± *1.1%*	37,200	86.3%
Total, All Children Age 17 and Under	100.0%	730,400	6.0% ± *1.1%*	43,500	100.0%
Health Status					
Fair/Poor	2.3%	16,700	8.0% ± *5.9%*	1,300	3.0%
Good/Excellent	97.7%	713,700	5.9% ± *1.0%*	42,200	97.0%
Total, All Children Age 17 and Under	100.0%	730,400	6.0% ± *1.1%*	43,500	100.0%
Insurance Coverage					
Insured	93.2%	680,700	5.6% ± *1.1%*	37,900	90.5%
Not Insured	6.8%	49,800	8.1% ± *3.9%*	4,000	9.5%
Total, All Children Age 17 and Under	100.0%	730,400	6.0% ± *1.1%*	43,500	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health

Table 16. Physical Activity: Percentage of Children Who Were Reported to Have Engaged in Regular Moderate Exercise
by Selected Demographic Characteristics, Utah Children Age 12 to 17, 2001.

	Population Size		Survey Estimates of Children Age 12 to 17 Who Reported Regular Moderate Exercise		
Demographic Subgroup	Percentage Distribution	Number of Children Age 12-17[1]	Percentage of Children Age 12-17[2]	Number of Children Age 12-17[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 12 to 17	100.0%	236,623	62.3% ± *2.8%*	147,400	100.0%
Sex					
Male	51.4%	121,597	65.4% ± *3.7%*	79,500	53.9%
Female	48.6%	115,026	59.0% ± *3.6%*	67,900	46.1%
Total, All Children Age 12 to 17	100.0%	236,623	62.3% ± *2.8%*	147,400	100.0%
Age					
12 years	16.4%	38,739	62.8% ± *5.6%*	24,300	16.5%
13 years	16.2%	38,297	63.8% ± *5.8%*	24,400	16.6%
14 years	16.3%	38,497	63.2% ± *5.8%*	24,300	16.5%
15 years	16.6%	39,369	62.5% ± *5.8%*	24,600	16.7%
16 years	17.0%	40,292	61.0% ± *5.8%*	24,600	16.7%
17 years	17.5%	41,429	60.4% ± *5.9%*	25,000	17.0%
Total, All Children Age 12 to 17	100.0%	236,623	62.3% ± *2.8%*	147,400	100.0%
Local Health District[5]					
Bear River	6.3%	14,795	54.0% ± *8.3%*	8,000	5.4%
Central	3.5%	8,314	68.4% ± *7.9%*	5,700	3.9%
Davis	12.0%	28,408	56.0% ± *8.7%*	15,900	10.8%
Salt Lake	37.8%	89,464	65.0% ± *5.2%*	58,200	39.4%
Southeastern	2.7%	6,280	63.3% ± *9.1%*	4,000	2.7%
Southwest	6.3%	14,987	62.1% ± *7.6%*	9,300	6.3%
Summit	1.4%	3,308	63.5% ± *8.5%*	2,100	1.4%
Tooele	1.9%	4,408	65.0% ± *7.6%*	2,900	2.0%
TriCounty	2.3%	5,387	68.4% ± *7.2%*	3,700	2.5%
Utah County	16.3%	38,522	63.6% ± *6.8%*	24,500	16.6%
Wasatch	0.8%	1,842	58.7% ± *8.7%*	1,100	0.7%
Weber-Morgan	8.8%	20,908	58.5% ± *10.0%*	12,200	8.3%
Total, All Children Age 12 to 17	100.0%	236,623	62.3% ± *2.8%*	147,400	100.0%
Annual Household Income					
Under $20,000	6.5%	15,400	67.6% ± *10.5%*	10,400	7.1%
$20,000 to <$45,000	26.2%	62,000	61.9% ± *5.4%*	38,400	26.1%
$45,000 to <$65,000	27.3%	64,600	63.6% ± *5.9%*	41,100	27.9%
$65,000 and Over	40.0%	94,600	60.5% ± *4.6%*	57,200	38.9%
Total, All Children Age 12 to 17	100.0%	236,600	62.3% ± *2.8%*	147,400	100.0%
Head of Household Education Level					
Some High School	5.6%	13,200	46.4% ± *13.7%*	6,100	4.1%
High School Grad/Some College	41.1%	97,300	66.7% ± *4.1%*	64,900	44.1%
Tech/Vocational/Assoc. Degree	11.2%	26,400	59.8% ± *8.7%*	15,800	10.7%
4 Year College Degree or More	42.1%	99,700	60.7% ± *4.2%*	60,500	41.1%
Total, All Children Age 12 to 17	100.0%	236,600	62.3% ± *2.8%*	147,400	100.0%
Hispanic Status					
Hispanic	9.1%	21,600	54.2% ± *10.3%*	11,700	7.9%
Non-Hispanic	90.9%	215,000	63.0% ± *2.8%*	135,500	92.1%
Total, All Children Age 12 to 17	100.0%	236,600	62.3% ± *2.8%*	147,400	100.0%

Table 16. Physical Activity: Percentage of Children Who Were Reported to Have Engaged in Regular Moderate Exercise (continued)
by Selected Demographic Characteristics, Utah Children Age 12 to 17, 2001.

	Population Size		Survey Estimates of Children Age 12 to 17 Who Reported Regular Moderate Exercise		
Demographic Subgroup	Percentage Distribution	Number of Children Age 12-17[1]	Percentage of Children Age 12-17[2]	Number of Children Age 12-17[3,4]	Percentage Distribution by Demographic Subgroup[4]
Health Status					
Fair/Poor	2.8%	6,700	49.5% ± *14.7%*	3,300	2.2%
Good/Excellent	97.2%	230,000	62.6% ± *2.8%*	144,100	97.8%
Total, All Children Age 12 to 17	100.0%	236,600	62.3% ± *2.8%*	147,400	100.0%
Insurance Coverage					
Insured	92.7%	219,400	63.3% ± *2.9%*	139,000	93.4%
Not Insured	7.3%	17,200	56.8% ± *11.1%*	9,800	6.6%
Total, All Utahns, Age 12 to 17	100.0%	236,600	62.3% ± *2.8%*	147,400	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

Note: Regular moderate exercise was defined as 'physical activities which were done 5 or more days per week for 30 minutes or more per occasion, such as brisk walking, bicycling, vacuuming, gardening, or anything else that causes small increases in breathing or heart rate.'

2001 Utah Health Status Survey, Utah Department of Health

Table 17. Physical Activity: Percentage of Children Who Were Reported to Have Engaged in Regular Vigorous Exercise
by Selected Demographic Characteristics, Utah Children Age 12 to 17, 2001.

	Population Size		Survey Estimates of Children Age 12-17 Who Reported Regular Vigorous Exercise		
Demographic Subgroup	Percentage Distribution	Number of Children Age 12-17[1]	Percentage of Children Age 12-17[2]	Number of Children Age 12-17[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 12 to 17	100.0%	236,623	55.6% ± *2.8%*	131,500	100.0%
Sex					
Male	51.4%	121,597	62.3% ± *3.7%*	75,700	57.6%
Female	48.6%	115,026	48.5% ± *3.7%*	55,800	42.4%
Total, All Children Age 12 to 17	100.0%	236,623	55.6% ± *2.8%*	131,500	100.0%
Age					
12 years	16.4%	38,739	46.9% ± *5.8%*	18,200	13.8%
13 years	16.2%	38,297	53.8% ± *5.9%*	20,600	15.6%
14 years	16.3%	38,497	55.4% ± *6.0%*	21,300	16.1%
15 years	16.6%	39,369	57.9% ± *5.9%*	22,800	17.2%
16 years	17.0%	40,292	60.3% ± *5.7%*	24,300	18.4%
17 years	17.5%	41,429	60.4% ± *5.9%*	25,000	18.9%
Total, All Children Age 12 to 17	100.0%	236,623	55.6% ± *2.8%*	131,500	100.0%
Local Health District[5]					
Bear River	6.3%	14,795	48.7% ± *8.2%*	7,200	5.5%
Central	3.5%	8,314	61.5% ± *7.9%*	5,100	3.9%
Davis	12.0%	28,408	50.1% ± *8.5%*	14,200	10.8%
Salt Lake	37.8%	89,464	56.4% ± *5.2%*	50,500	38.4%
Southeastern	2.7%	6,280	63.7% ± *8.8%*	4,000	3.0%
Southwest	6.3%	14,987	58.6% ± *7.9%*	8,800	6.7%
Summit	1.4%	3,308	67.1% ± *7.6%*	2,200	1.7%
Tooele	1.9%	4,408	55.7% ± *7.4%*	2,500	1.9%
TriCounty	2.3%	5,387	60.7% ± *7.0%*	3,300	2.5%
Utah County	16.3%	38,522	56.9% ± *7.2%*	21,900	16.7%
Wasatch	0.8%	1,842	55.6% ± *8.4%*	1,000	0.8%
Weber-Morgan	8.8%	20,908	51.3% ± *9.6%*	10,700	8.1%
Total, All Children Age 12 to 17	100.0%	236,623	55.6% ± *2.8%*	131,500	100.0%
Annual Household Income					
Under $20,000	6.5%	15,400	57.7% ± *11.4%*	8,900	6.8%
$20,000 to <$45,000	26.2%	62,000	52.3% ± *5.8%*	32,400	24.6%
$45,000 to <$65,000	27.3%	64,600	55.4% ± *5.6%*	35,800	27.2%
$65,000 and Over	40.0%	94,600	57.5% ± *4.5%*	54,400	41.4%
Total, All Children Age 12 to 17	100.0%	236,600	55.6% ± *2.8%*	131,500	100.0%
Head of Household Education Level					
Some High School	5.6%	13,200	38.4% ± *12.7%*	5,100	3.9%
High School Grad/Some College	41.1%	97,300	58.0% ± *4.2%*	56,400	42.9%
Tech/Vocational/Assoc. Degree	11.2%	26,400	49.1% ± *8.8%*	13,000	9.9%
4 Year College Degree or More	42.1%	99,700	57.2% ± *4.1%*	57,000	43.3%
Total, All Children Age 12 to 17	100.0%	236,600	55.6% ± *2.8%*	131,500	100.0%
Hispanic Status					
Hispanic	9.1%	21,600	48.1% ± *10.1%*	10,400	7.9%
Non-Hispanic	90.9%	215,000	56.3% ± *2.9%*	121,000	92.1%
Total, All Children Age 12 to 17	100.0%	236,600	55.6% ± *2.8%*	131,500	100.0%

Table 17. Physical Activity: Percentage of Children Who Were Reported to Have Engaged in Regular Vigorous Exercise (continued)
by Selected Demographic Characteristics, Utah Children Age 12 to 17, 2001.

	Population Size		Survey Estimates of Children Age 12-17 Who Reported Regular Vigorous Exercise		
Demographic Subgroup	Percentage Distribution	Number of Children Age 12-17[1]	Percentage of Children Age 12-17[2]	Number of Children Age 12-17[3,4]	Percentage Distribution by Demographic Subgroup[4]
Health Status					
Fair/Poor	2.8%	6,700	36.1% ± *14.0%*	2,400	1.8%
Good/Excellent	97.2%	230,000	56.1% ± *2.8%*	129,100	98.2%
Total, All Children Age 12 to 17	100.0%	236,600	55.6% ± *2.8%*	131,500	100.0%
Insurance Coverage					
Insured	92.7%	219,400	56.2% ± *2.9%*	123,400	93.3%
Not Insured	7.3%	17,200	51.0% ± *10.4%*	8,800	6.7%
Total, All Utahns, Age 12 to 17	100.0%	236,600	55.6% ± *2.8%*	131,500	100.0%

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

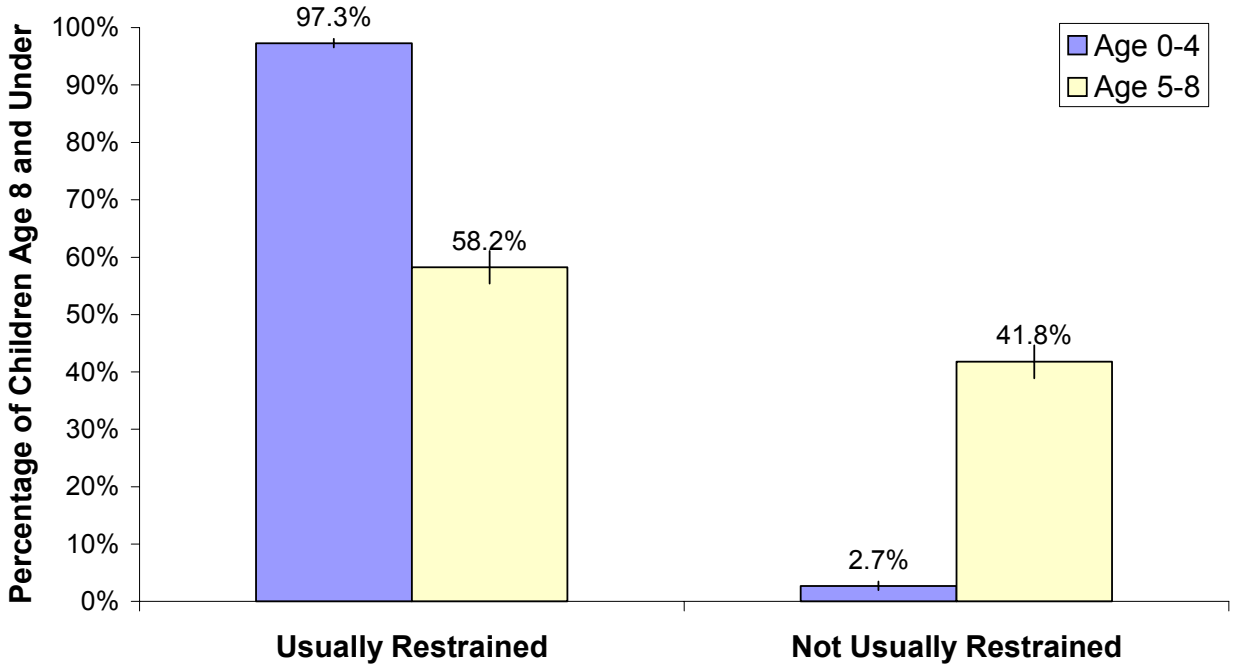
4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

Note: Regular vigorous exercise was defined as 'physical activities which were done 3 or more days per week for 20 minutes or more per occasion, such as running, aerobics, heavy yard work, or anything else that causes large increases in breathing or heart rate.'

2001 Utah Health Status Survey, Utah Department of Health

Figure 18.1 Percentage of Children by Whether They Were Restrained in a Vehicle and Age Group, Utah Children Age 8 and Under, 2001



- Almost 19 percent (18.9%) of Utah's children eight and under were reported as not using any type of vehicle safety restraint (child seat, lap belt, shoulder belt).
- More than 97 percent (97.3%) of children aged four and under were usually restrained.
- Less than 60 percent (58.2%) of children aged five to eight were usually retrained.

Table 18. Percentage of Children Restrained While in a Vehicle
Utah Children Age 8 and Under, 2001.

Type of Safety Restraint System and Location	Survey Estimates of Children Age 8 and Under by Location and Type of Safety Restraint System: Percentage of Children Age 8 and Under[1]		Number of Children Age 8 and Under[2,3]
Type of Safety Restraint System Used			
Infant/Child Seat	46.9%	± *1.8%*	176,200
Booster Seat	18.3%	± *1.4%*	69,000
Lap Belt Only	3.9%	± *0.7%*	14,700
Shoulder/Lap Belt	12.0%	± *1.2%*	45,200
Not Usually Restrained	18.9%	± *1.4%*	71,000
Total, All Utah Children Age 8 and Under	100.0%		376,100
Location of Safety Restraint System Used			
Front Seat	1.5%	± *0.4%*	5,500
Back Seat	79.6%	± *1.5%*	299,200
Not Usually Restrained	19.0%	± *1.4%*	71,400
Total, All Utah Children Age 8 and Under	100.0%		376,100
Restrained by Age Group			
Usually Restrained, Age 0-4	97.3%	± *0.8%*	213,600
Not Usually Restrained, Age 0-4	2.7%	± *0.8%*	5,900
Total, All Utah Children Age 4 and Under	100.0%		219,500
Restrained by Age Group			
Usually Restrained, Age 5-8	58.2%	± *2.9%*	91,200
Not Usually Restrained, Age 5-8	41.8%	± *2.9%*	65,400
Total, All Utah Children Ages 5-8	100.0%		156,600
Location of Safety Restraint System Used by Age Group			
Front Seat, Age 0-2	0.4%	± *0.2%*	1,600
Age 3-4	0.2%	± *0.1%*	700
Age 5-8	0.8%	± *0.3%*	3,200
Back Seat, Age 0-2	35.2%	± *1.7%*	132,300
Age 3-4	21.4%	± *1.5%*	80,500
Age 5-8	23.0%	± *1.5%*	86,500
Not Usually Restrained, Age 0-2	0.4%	± *0.2%*	1,500
Age 3-4	1.2%	± *0.4%*	4,400
Age 5-8	17.4%	± *1.4%*	65,400
Total, All Utah Children Age 8 and Under	100.0%		376,100

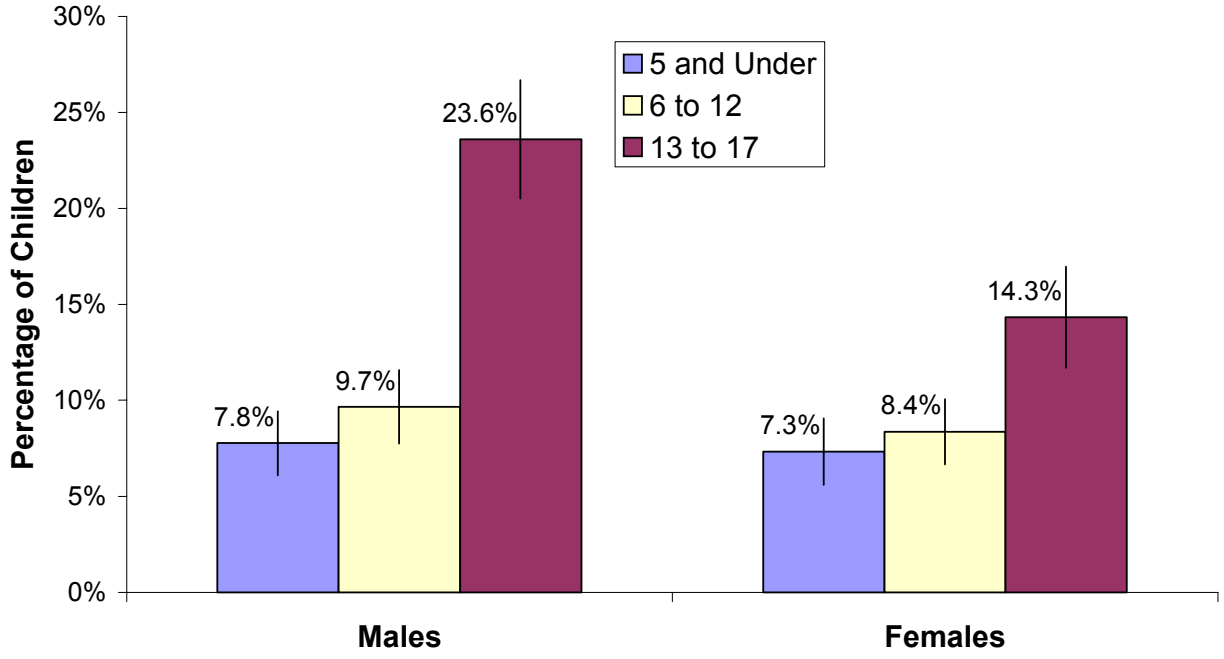
1 Plus or minus 95% confidence interval.

2 Rounded to the nearest 100 persons.

3 Figures in these columns may not sum to the total because of missing values on the grouping variables.

2001 Utah Health Status Survey, Utah Department of Health

Figure 19.1 Percentage of Children Who Sustained One or More Injuries* in the Previous 12 Months by Age and Sex, Utah, 2001



* Injuries included are those that limited activity for a day or longer or required medical attention.

- More than one in ten children (11.1%) sustained one or more injuries in the previous 12 months.
- The percentage of children who sustained injuries was highest among males 13 to 17 years old (23.6%) followed by females 13 to 17 years old (14.3%).
- The percentage of children who sustained one or more injuries was lower for children aged five and under (7.6%) and Hispanic children (6.5%).

Table 19. Injury: Percentage of Children Who Sustained One or More Injuries* in the Previous 12 Months
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Sustained One or More Injuries in the Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	730,417	11.1% ± *0.9%*	81,200	100.0%
Sex					
Male	51.4%	375,761	12.6% ± *1.3%*	47,400	58.4%
Female	48.6%	354,656	9.5% ± *1.2%*	33,800	41.6%
Total, All Children Age 17 and Under	100.0%	730,417	11.1% ± *0.9%*	81,200	100.0%
Age Group					
5 and Under	35.5%	259,499	7.6% ± *1.2%*	19,600	23.9%
6 to 12	37.4%	273,034	9.0% ± *1.3%*	24,600	30.0%
13 to 17	27.1%	197,884	19.1% ± *2.1%*	37,900	46.2%
Total, All Children Age 17 and Under	100.0%	730,417	11.1% ± *0.9%*	81,200	100.0%
Sex and Age					
Males, 5 and under	18.3%	133,416	7.8% ± *1.7%*	10,400	12.7%
Males, 6 to12	19.3%	140,630	9.7% ± *1.9%*	13,600	16.6%
Males, 13 to 17	13.9%	101,715	23.6% ± *3.1%*	24,000	29.2%
Females, 5 and under	17.3%	126,083	7.3% ± *1.7%*	9,200	11.2%
Females, 6 to 12	18.1%	132,404	8.4% ± *1.7%*	11,100	13.5%
Females, 13 to 17	13.2%	96,169	14.3% ± *2.6%*	13,800	16.8%
Total, All Children Age 17 and Under	100.0%	730,417	11.1% ± *0.9%*	81,200	100.0%
Local Health District[5]					
Bear River	6.2%	45,045	8.6% ± *2.1%*	3,900	4.8%
Central	3.1%	22,796	12.2% ± *2.9%*	2,800	3.4%
Davis	11.5%	84,043	12.6% ± *2.9%*	10,600	13.1%
Salt Lake	38.0%	277,625	11.4% ± *1.7%*	31,500	38.8%
Southeastern	2.3%	16,849	13.5% ± *3.4%*	2,300	2.8%
Southwest	6.2%	45,430	11.3% ± *3.0%*	5,100	6.3%
Summit	1.2%	9,093	15.2% ± *3.5%*	1,400	1.7%
Tooele	2.1%	14,994	10.2% ± *2.5%*	1,500	1.8%
TriCounty	1.9%	14,206	10.6% ± *2.3%*	1,500	1.8%
Utah County	17.9%	130,967	10.5% ± *2.1%*	13,800	17.0%
Wasatch	0.7%	5,285	10.6% ± *2.8%*	600	0.7%
Weber-Morgan	8.8%	64,084	9.7% ± *3.0%*	6,200	7.6%
Total, All Children Age 17 and Under	100.0%	730,417	11.1% ± *0.9%*	81,200	100.0%
Annual Household Income					
Under $20,000	8.0%	58,800	9.4% ± *3.1%*	5,500	6.5%
$20,000 to <$45,000	32.8%	239,900	10.7% ± *1.7%*	25,700	30.5%
$45,000 to <$65,000	26.7%	194,900	10.2% ± *1.7%*	19,900	23.6%
$65,000 and Over	32.4%	236,900	14.0% ± *1.9%*	33,300	39.5%
Total, All Children Age 17 and Under	100.0%	730,400	11.1% ± *0.9%*	81,200	100.0%
Head of Household Education Level					
Some High School	6.0%	43,500	7.2% ± *3.3%*	3,100	3.8%
High School Grad/Some College	41.8%	305,600	11.0% ± *1.5%*	33,500	41.3%
Tech/Vocational/Assoc. Degree	11.1%	81,000	10.9% ± *2.5%*	8,800	10.8%
4 Year College Degree or More	41.1%	300,300	11.9% ± *1.4%*	35,800	44.1%
Total, All Children Age 17 and Under	100.0%	730,400	11.1% ± *0.9%*	81,200	100.0%

Table 19. Injury: Percentage of Children Who Sustained One or More Injuries* in the Previous 12 Months
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Sustained One or More Injuries in the Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
Hispanic Status					
Hispanic	11.1%	81,200	6.5% ± *2.3%*	5,300	6.5%
Non-Hispanic	88.9%	649,200	11.7% ± *1.0%*	76,100	93.5%
Total, All Children Age 17 and Under	100.0%	730,400	11.1% ± *0.9%*	81,200	100.0%
Insurance Coverage					
Insured	93.2%	680,600	11.5% ± *1.0%*	78,000	94.9%
Not Insured	6.8%	49,800	8.5% ± *2.8%*	4,200	5.1%
Total, All Utahns, Age 17 and Under	100.0%	730,400	11.1% ± *0.9%*	81,200	100.0%

* Injuries included are those that limited activity for a day or longer or required medical attention.

1 Estimates of sex, age groups, and LHD based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

5 These rates have not been age-adjusted.

2001 Utah Health Status Survey, Utah Department of Health

Table 20. Injury: Percentage of Children Who Sustained One or More Fall-related Injuries in the Previous 12 Months
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Sustained One or More Fall-related Injuries in the Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	81,200	34.0% ± *4.5%*	27,600	100.0%
Sex					
Male	58.4%	47,400	30.6% ± *5.7%*	14,500	52.5%
Female	41.6%	33,800	38.7% ± *7.2%*	13,100	47.5%
Total, All Children Age 17 and Under	100.0%	81,200	34.0% ± *4.5%*	27,600	100.0%
Age Group					
5 and Under	24.1%	19,600	52.9% ± *9.3%*	10,400	38.2%
6 to 12	30.3%	24,600	42.3% ± *8.6%*	10,400	38.2%
13 to 17	46.7%	37,900	16.8% ± *5.3%*	6,400	23.5%
Total, All Children Age 17 and Under	100.0%	81,200	34.0% ± *4.5%*	27,600	100.0%
Annual Household Income					
Under $20,000	6.8%	5,500	24.4% ± *15.8%*	1,300	4.7%
$20,000 to <$45,000	31.7%	25,700	43.4% ± *8.7%*	11,100	40.4%
$45,000 to <$65,000	24.5%	19,900	33.1% ± *9.6%*	6,600	24.0%
$65,000 and Over	41.0%	33,300	25.5% ± *7.0%*	8,500	30.9%
Total, All Children Age 17 and Under	100.0%	81,200	34.0% ± *4.5%*	27,600	100.0%
Insurance Coverage					
Insured	93.2%	75,700	34.4% ± *4.7%*	26,100	93.5%
Not Insured	6.8%	5,500	32.5% ± *19.6%*	1,800	6.5%
Total, All Utahns, Age 17 and Under	100.0%	81,200	34.0% ± *4.5%*	27,600	100.0%

1 Estimates of sex and age groups based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

2001 Utah Health Status Survey, Utah Department of Health

- One in three children sustained one or more fall-related injuries in the previous 12 months (34.0%).
- Fall-related injuries were more common among children five and under (52.9%).

Table 21. Injury: Percentage of Children Who Sustained One or More Motor Vehicle-, Pedestrian-, or Bicycle-related Injuries in the Previous 12 Months
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Sustained One or More Motor Vehicle-, Pedestrian-, or Bicycle-related Injuries in the Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	81,200	9.0% ± *2.7%*	7,300	100.0%
Sex					
Male	58.4%	47,400	7.4% ± *3.0%*	3,500	47.9%
Female	41.6%	33,800	11.2% ± *4.8%*	3,800	52.1%
Total, All Children Age 17 and Under	100.0%	81,200	9.0% ± *2.7%*	7,300	100.0%
Age Group					
5 and Under	24.1%	19,600	3.3% ± *3.2%*	700	9.1%
6 to 12	30.3%	24,600	8.9% ± *4.9%*	2,200	28.6%
13 to 17	46.7%	37,900	12.6% ± *4.6%*	4,800	62.3%
Total, All Children Age 17 and Under	100.0%	81,200	9.0% ± *2.7%*	7,300	100.0%
Annual Household Income					
Under $20,000	6.8%	5,500	10.9% ± *11.1%*	600	7.5%
$20,000 to <$45,000	31.7%	25,700	10.2% ± *5.4%*	2,600	32.5%
$45,000 to <$65,000	24.5%	19,900	9.8% ± *6.0%*	1,900	23.8%
$65,000 and Over	41.0%	33,300	8.6% ± *4.4%*	2,900	36.3%
Total, All Children Age 17 and Under	100.0%	81,200	9.0% ± *2.7%*	7,300	100.0%
Insurance Coverage					
Insured	93.2%	75,700	8.9% ± *2.8%*	6,800	95.8%
Not Insured	6.8%	5,500	5.3% ± *6.7%*	300	4.2%
Total, All Utahns, Age 17 and Under	100.0%	81,200	9.0% ± *2.7%*	7,300	100.0%

1 Estimates of sex and age groups based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

2001 Utah Health Status Survey, Utah Department of Health

- Nine percent of children sustained one or more motor vehicle-, pedestrian-, or bicycle-related injuries.

Table 22. Injury: Percentage of Children Who Sustained One or More Recreation-related Injuries in the Previous 12 Months
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Sustained One or More Recreation-related Injuries in the Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	81,200	30.4% ± *4.3%*	24,700	100.0%
Sex					
Male	58.4%	47,400	39.6% ± *6.1%*	18,800	76.1%
Female	41.6%	33,800	17.5% ± *5.4%*	5,900	23.9%
Total, All Children Age 17 and Under	100.0%	81,200	30.4% ± *4.3%*	24,700	100.0%
Age Group					
5 and Under	24.1%	19,600	*** ± ***	***	***
6 to 12	30.3%	24,600	25.6% ± *7.5%*	6,300	24.2%
13 to 17	46.7%	37,900	51.3% ± *7.0%*	19,400	74.6%
Total, All Children Age 17 and Under	100.0%	81,200	30.4% ± *4.3%*	24,700	100.0%
Annual Household Income					
Under $20,000	6.8%	5,500	24.0% ± *16.9%*	1,300	5.0%
$20,000 to <$45,000	31.7%	25,700	18.5% ± *6.8%*	4,700	18.1%
$45,000 to <$65,000	24.5%	19,900	24.4% ± *8.2%*	4,900	18.8%
$65,000 and Over	41.0%	33,300	45.3% ± *7.9%*	15,100	58.1%
Total, All Children Age 17 and Under	100.0%	81,200	30.4% ± *4.3%*	24,700	100.0%
Insurance Coverage					
Insured	93.2%	75,700	30.6% ± *4.5%*	23,200	93.9%
Not Insured	6.8%	5,500	27.9% ± *18.0%*	1,500	6.1%
Total, All Utahns, Age 17 and Under	100.0%	81,200	30.4% ± *4.3%*	24,700	100.0%

1 Estimates of sex and age groups based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

*** Insufficient sample size for calculation of population estimates.

2001 Utah Health Status Survey, Utah Department of Health

- More than 30 percent (30.4%) of children sustained one or more recreation-related injuries that include those incurred with off-highway motorized vehicles, watercraft, water, rollerblades, skateboards, scooters, skiing, and other sports.
- These injures were more common among males (39.6%), adolescents (51.3%), and those from households with incomes over $65,000 (45.3%).

Table 23. Injury: Percentage of Children Who Sustained One or More Injuries Due to Causes Other Than Fall-, Motor Vehicle-, Pedestrian-, Bicycle-, or Recreational-related Injuries in the Previous 12 Months
by Selected Demographic Characteristics, Utah Children Age 17 and Under, 2001.

	Population Size		Survey Estimates of Children Who Sustained One or More Other Injuries in the Previous 12 Months		
Demographic Subgroup	Percentage Distribution	Number of Children[1]	Percentage of Children[2]	Number of Children[3,4]	Percentage Distribution by Demographic Subgroup[4]
2001 Utah Population, All Utah Children Age 17 and Under	100.0%	81,200	26.6% ± *4.2%*	21,600	100.0%
Sex					
Male	58.4%	47,400	22.4% ± *5.2%*	10,600	49.1%
Female	41.6%	33,800	32.5% ± *6.9%*	11,000	50.9%
Total, All Children Age 17 and Under	100.0%	81,200	26.6% ± *4.2%*	21,600	100.0%
Age Group					
5 and Under	24.1%	19,600	42.3% ± *9.2%*	8,300	39.0%
6 to 12	30.3%	24,600	23.2% ± *7.1%*	5,700	26.8%
13 to 17	46.7%	37,900	19.3% ± *5.6%*	7,300	34.3%
Total, All Children Age 17 and Under	100.0%	81,200	26.6% ± *4.2%*	21,600	100.0%
Annual Household Income					
Under $20,000	6.8%	5,500	40.7% ± *18.4%*	2,200	9.6%
$20,000 to <$45,000	31.7%	25,700	27.9% ± *7.9%*	7,200	31.6%
$45,000 to <$65,000	24.5%	19,900	32.7% ± *9.6%*	6,500	28.5%
$65,000 and Over	41.0%	33,300	20.6% ± *6.4%*	6,900	30.3%
Total, All Children Age 17 and Under	100.0%	81,200	26.6% ± *4.2%*	21,600	100.0%
Insurance Coverage					
Insured	93.2%	75,700	26.0% ± *4.3%*	19,700	91.2%
Not Insured	6.8%	5,500	34.3% ± *19.9%*	1,900	8.8%
Total, All Utahns, Age 17 and Under	100.0%	81,200	26.6% ± *4.2%*	21,600	100.0%

1 Estimates of sex and age groups based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget; all others based on 2001 UHSS and rounded to the nearest 100 persons.

2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of missing values on the grouping variables.

2001 Utah Health Status Survey, Utah Department of Health

- Approximately 27 percent (26.6%) of children sustained other types of injuries including, but not limited to, cuts, being struck by or colliding with something, being caught or crushed by something, suicide attempt, physical violence, fire, or injury caused by an animal or insect.
- Other injuries were more common among females (32.5%) and children five or younger (42.3%).

Table 24. Gun Storage: Percentage of Households That Had Loaded Guns Not Stored in a Locked Location
by Selected Demographic Characteristics, Utah Households, 2001.

	Population Distribution of Utah Households		Survey Estimates of Utah Households With Unlocked, Loaded Guns		
Demographic Subgroup	Percentage Distribution	Number of Households[1]	Percentage of Households With Unlocked, Loaded Guns[2]	Number of Households[3,4]	Percentage Distribution of Households With Unlocked, Loaded Guns by Category[4]
2001 Utah Households					
No Guns in Household				437,600	60.4%
Guns in Locked Location				191,600	26.4%
Guns Not Locked, No Ammunition in Household				10,700	1.5%
Guns Not Locked, Not Loaded, Ammunition in Household				73,900	10.2%
Loaded Guns Not Stored in a Locked Location				10,900	1.5%
Total, All Utah Households				724,700	100.0%
Annual Household Income					
Under $20,000	12.8%	93,000	1.2% ± *0.9%*	1,200	11.0%
$20,000 to <$45,000	36.1%	261,500	1.9% ± *0.7%*	4,900	45.0%
$45,000 to <$65,000	22.9%	166,000	1.1% ± *0.6%*	1,900	17.4%
$65,000 and Over	28.2%	204,100	1.6% ± *0.7%*	3,300	30.3%
Total, All Utah Households	100.0%	724,700	1.5% ± *0.3%*	10,900	100.0%
Children in Household					
One or More Children	47.6%	345,200	0.7% ± *0.3%*	2,300	21.1%
No Children	52.4%	379,500	2.3% ± *0.6%*	8,600	78.9%
Total, All Utah Households	100.0%	724,700	1.5% ± *0.3%*	10,900	100.0%
Local Health District[5]					
Bear River	5.9%	42,682	1.7% ± *1.0%*	700	6.4%
Central	2.9%	21,015	1.8% ± *1.2%*	400	3.7%
Davis	10.2%	73,552	1.5% ± *1.2%*	1,100	10.1%
Salt Lake	42.1%	305,006	1.1% ± *0.5%*	3,500	32.1%
Southeastern	2.6%	18,986	4.4% ± *1.9%*	800	7.3%
Southwest	6.6%	47,899	3.1% ± *1.6%*	1,500	13.8%
Summit	1.5%	10,652	2.3% ± *1.4%*	200	1.8%
Tooele	1.8%	13,116	1.7% ± *1.0%*	200	1.8%
TriCounty	1.9%	13,551	3.4% ± *1.5%*	500	4.6%
Utah County	14.3%	103,263	0.9% ± *0.7%*	900	8.3%
Wasatch	0.7%	4,928	1.5% ± *1.2%*	100	0.9%
Weber-Morgan	9.7%	70,001	1.5% ± *1.2%*	1,000	9.2%
Total, All Utah Households	100.0%	724,652	1.5% ± *0.3%*	10,900	100.0%

1 For the local health districts, population estimates are based on Utah Process Economic and Demographic (UPED) model published in January 2002 by the Utah Governor's Office of Planning and Budget. For the income and presence of children in the household, population estimates are based on the 2001 Utah Health Status Survey and rounded to the nearest 100 persons.

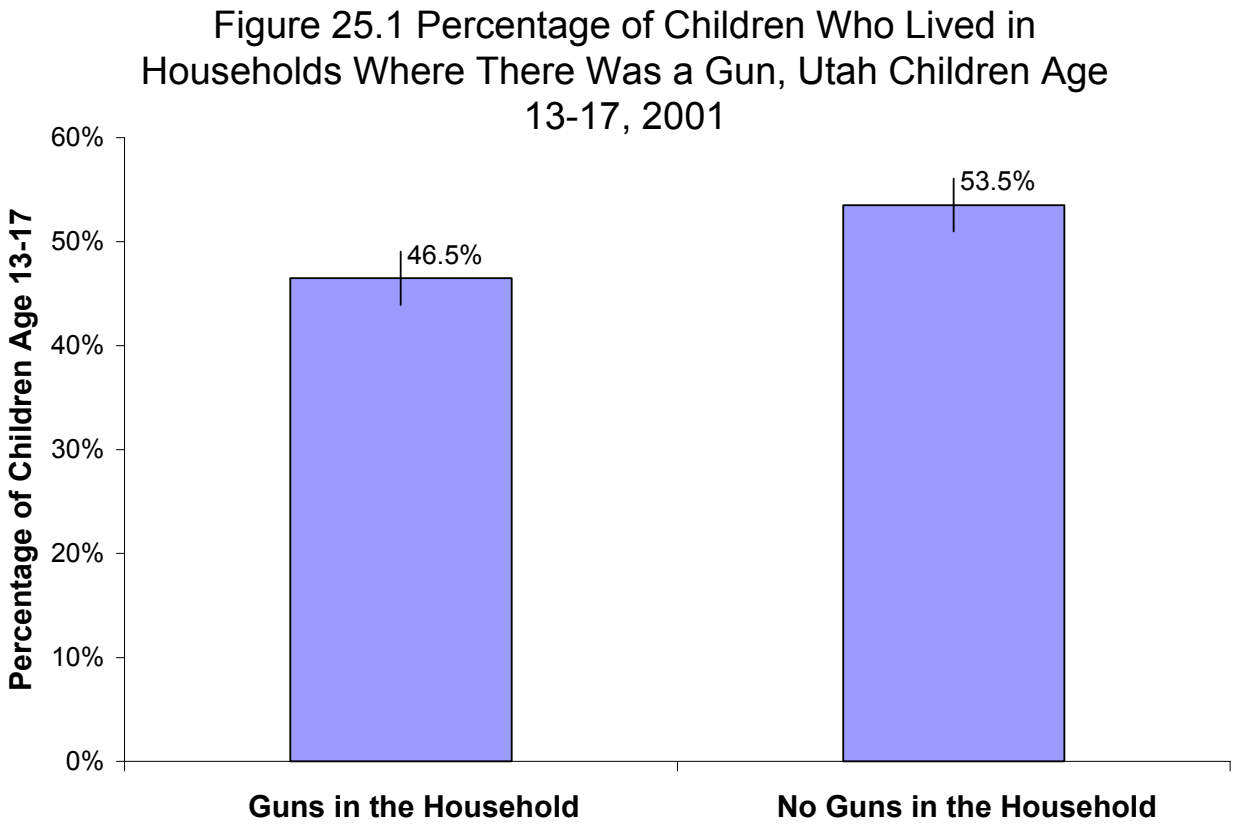
2 Plus or minus 95% confidence interval.

3 Rounded to the nearest 100 persons.

4 Figures in these columns may not sum to the total because of data weighting and missing values on the grouping variables.

5 These rates have not been age-adjusted.

2001 Utah Health Status Survey, Utah Department of Health



- Nearly half of Utah households have one or more guns.
- Among households with guns, two thirds (67%) store them in a locked location. One in four (26%) store unloaded guns and ammunition in an unlocked location.
- One in 26 households with guns (3.8% of households with guns and 1.5% of all Utah households) store loaded guns in an unlocked location. However, among Utah households with one or more children, less than one percent (0.7%) did so. Even so, 2,300 Utah households had both children and accessible, loaded guns.
- Almost 54 percent (53.5%) of Utah households reported no guns in their homes.
- Almost 47 percent (46.5%) of households with children aged 13 to 17 indicated that there was a gun in the household.

Table 25. Gun Storage: Percentage of Children Who Lived in Households Where There Was a Gun

Utah Children Age 13 to 17, 2001.

Guns in the Household	Survey Estimates of Children Age 13 to 17 Who Lived in Households Where There Was a Gun: Percentage of Children Age 13-17[1]		Number of Children Age 13-17[2,3]
Guns in the Household			
Guns in the Household	46.5%	± 2.6%	92,000
No Guns in the Household	53.5%	± 2.6%	105,900
Total, All Utah Children Ages 13-17	100.0%		197,900
Guns in the Household by Gender			
Guns in the Household, Male	24.7%	± 2.2%	48,900
Guns in the Household, Female	21.7%	± 2.1%	43,000
No Guns in the Household, Male	27.6%	± 2.4%	54,500
No Guns in the Household, Female	26.0%	± 2.3%	51,400
Total, All Utah Children Ages 13-17	100.0%		197,900

1 Plus or minus 95% confidence interval.

2 Rounded to the nearest 100 persons.

3 Figures in these columns may not sum to the total because of missing values on the grouping variables.

2001 Utah Health Status Survey, Utah Department of Health

Technical Notes

General Technical Background to the 2001 Health Status Survey

Introduction

The purpose of this section is to provide the reader with a general methodological overview of the project. Persons interested in obtaining additional or more detailed information may contact:

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Sample Design

The 2001 Utah Health Status Survey represents the fourth such survey: previous surveys were conducted in 1986, 1991, and 2001. The statistical estimates in this report are based on *2001 Utah Health Status Survey* data.

The sample was a **complex survey sample** designed to be representative of all Utahns. It is best described as a weighted probability sample of 7,520 households disproportionately stratified by twelve local health districts that cover the entire state. The sample was stratified so that the survey estimates could be provided for each local health district.

	Unweighted Counts	
Health District / Small Area	Households	Persons
1 Bear River Health District	619	1,985
2 Central Health District	476	1,537
3 Davis County Health District	470	1,565
4 Salt Lake Valley Health District	1,615	5,110
5 Southeastern Health District	484	1,403
6 Southwest Health District	501	1,576
7 Summit Health District	510	1,513
8 Tooele Health District	611	2,030
9 Tri-County Health District	587	1,862
10 Utah County Health District	763	2,691
11 Wasatch Health District	453	1,518
12 Weber/Morgan Health District	431	1,298
State Total	7,520	24,088

A **single stage, non-clustered, equal probability of selection telephone calling design**, more specifically referred to as the Casady-Lepkowski (1993) calling design, was used to generate telephone numbers in each local health district. This method begins by building a base sampling frame consisting of all possible telephone numbers from all working prefixes in Utah. Telephone

numbers are arranged sequentially into groups of 100 by selecting all telephone numbers within an area code and prefix, plus the first and second digits of the suffix (e.g., 801-538-10XX represents a group that includes all 100 phone numbers between 801-538-1000 and 801-538-1099). Each group of 100 telephone numbers is classified as either high density (at least one residential listing) or low density (no listed residential phone numbers in the group). All low density groups are removed, and high density groups are retained. Telephone numbers are randomly selected from the high-density list. This sampling design ensures that both listed and unlisted phone numbers are included in the sample.

The Utah Department of Health contracted with PEGUS Research Inc. to collect the survey data. The survey interview was conducted with **one randomly selected adult** (age 18 or older) in each household. To select this person, PEGUS interviewers collected household membership information from the household contact person (the person who answered the phone). The adult household member who had celebrated the most recent birthday was then selected from the list of all household members age 18 or over. Survey questions were then asked about either, 1) all household members, 2) the survey respondent only, 3) a randomly selected adult or child household member (used only in the injuries section), or 4) the household as a whole. Thus, the survey sample varies, depending on the within-household sample that was used for each set of survey questions. Each within-household sample has known probabilities of selection and has been weighted appropriately so it can be generalized to the Utah population.

Questionnaire Construction

The 2001 Utah Health Status Survey was based on the 1996 Utah Health Status Survey questionnaire. For the 2001 questionnaire, some changes were made based on input from the Health Surveys Advisory Committee and the Health Status Survey staff. These changes included enhancing the sections on health insurance coverage and access to health care. These changes were made in order to obtain more detailed information and to allow for comparison with large, federal surveys, such as the Current Population Survey (CPS). The entire survey questionnaire may be found on-line at http://health.utah.gov/ibis-ph/opha_pubs.html.

Survey Data Collection

PEGUS Research, Inc. incorporated the telephone survey instrument into a **computer-assisted telephone interviewing (CATI)** software program. Interviews were conducted by trained interviewers in a supervised and monitored environment at one location in the Salt Lake Valley. One hundred and eighty-five interviews (2.5%) were conducted in Spanish.

Computer assisted telephone interviewing was chosen as the method of data collection for several reasons. First, it yields high response rates, thus resulting in a more representative sample and reducing the amount of bias inherent in mail survey response rates. Second, it helps reduce non-sampling error by standardizing the data collection process. Data-entry errors are reduced because interviewers are not allowed to enter non-valid codes. It was also efficient because it allowed interviewers to enter responses directly into the database.

Response Rate

The interview process took place over a seven-month period (from May to November, 2001), and resulted in a response rate of 40.8%. If necessary, up to fifteen telephone attempts were made to contact a selected household.

Weighting Methods

Post-survey weighting adjustments were made so that the Health Status Survey findings could be more accurately generalized to Utah's population. Two types of post-survey weighting adjustments were made: one that adjusted for random sampling variation and one that adjusted for disproportionate sampling (such as the over-sampling of the smaller local health districts across the state). Although the two types of adjustments are distinct conceptually, they are accomplished in a series of steps that do not distinguish between the two types.

The post-survey weighting variables adjusted for the following factors:

1. The number of **phone lines** in the household.
2. The total **number of adults in the household** (for questions that were asked only of the respondent, but were meant to be generalized to all adults in the household).
3. The proportion of **Hispanic persons** in each local health district.
4. The population **age and sex** distribution of each local health district.
5. The probabilities of selection for each **local health district**.

Calculation of Survey Estimates

Population count estimates. Once a percentage was calculated for a variable of interest (e.g., the percentage uninsured) using appropriately weighted survey data, a population count (N) to which the percentage applied was estimated. In some cases analyses referenced certain age or sex groups, Hispanic persons or combinations of Utah counties. The population count estimates for these groups were readily available from the 2000 Census. However, for other groups where population counts were largely unavailable (e.g., analyses that examined the distribution of adult males by marital status), survey data were used to estimate the population counts. This was achieved by multiplying the appropriate 2000 population total for that group (from 2000 GOPB estimates) by a proportion obtained from a frequency distribution or cross tabulation analysis of Utah Health Status Survey data. For instance, to calculate a population count for adult males who were married, the population of adult males from GOPB estimates was multiplied by percentage of married adult males in the 2001 Utah Health Status Survey sample. Thus, any population count estimates not derived directly from existing age, sex, Hispanic status or county population estimates were derived from 2001 Health Status Survey data.

Missing Values. Another consideration that affected the presentation of the population estimates in table format was the inclusion or exclusion of missing values ("don't know" and "refused to answer"). Population percentage estimates were calculated after removing the "don't know" and "refused to answer" responses from the denominator. This, in effect, assumes that persons who gave those answers were distributed identically on the variable of interest to those who gave a valid answer to that variable. For instance, that among those who did not know whether they were insured, we assumed that 91.3% of them were insured and 8.7% were not

insured -- percentages identical to those found among the sample members who answered the question with a valid response.

Readers may have noticed that the numbers in the last two columns of the reference tables do not always sum to the total as they should. This was unavoidable for two reasons:

1) If there were missing values on the demographic grouping variable, the sum of the parts is derived from a slightly different sample than the estimate for the overall number.
2) The post-survey weighting adjustments cause certain irregularities in the tables.

Limitations and Other Special Considerations

Estimates developed from the sample may differ from the results of a complete census of all households in Utah due to two types of error, sampling and non-sampling error. Each type of error is present in estimates based on a survey sample. Good survey design and data collection techniques serve to minimize both sources of error.

Sampling error refers to random variation that occurs because only a subset of the entire population is sampled and used to estimate the finding, or parameter, in the entire population. It is often termed "margin of error" in popular use. Sampling error has been expressed in this report as a confidence interval. The 95% confidence interval (calculated as 1.96 times the standard error of a statistic) indicates the range of values within which the statistic would fall 95% of the time if the researcher were to calculate the statistic (e.g., a percentage) from an infinite number of samples of the same size drawn from the same base population. It is typically expressed as the "plus or minus" term, as in the following example:

> "The percentage of those polled who said they would vote for George W. Bush was 47%, plus or minus 2%".

Because the sample was clustered within households, and because local health districts were disproportionately stratified and then weighted to reflect the Utah population, the sample is considered a complex survey sample design. Estimating the sampling error for a complex survey design requires special statistical techniques. SAS software, using "proc surveymeans," was used to estimate the standard errors of the survey estimates because it employs a statistical routine (Taylor-series expansion) that accounts for the complex survey design.

Figures in this report include error bars showing this estimated confidence interval around the parameter estimate. In cases where the confidence interval was greater in magnitude than the estimate, the estimate was not given. Estimates were not computed where the sample denominators were less that n=50. Readers should note that we have always presented the confidence interval as though it were symmetric, that is, of equal value both above and below (plus and minus) the estimate. It is often the case, however, that a confidence interval will be nonsymmetric. This occurs when the distribution is positively or negatively skewed, such as when a percentage is close to 0% or 100%. However, because the software program we use provides only symmetric confidence intervals, we have not provided the asymmetric estimates.

Non-sampling error also exists in survey estimates. Sources of non-sampling error include idiosyncratic interpretation of survey questions by respondents, variations in interviewer technique, household non-response to questions, coding errors, and so forth. No specific efforts

were made to quantify the magnitude of non-sampling error. Non-sampling error was minimized by good questionnaire design, use of standardization in interviewer behavior and frequent, on-site, interviewer monitoring and supervision.

Comparability with other surveys is an issue with all surveys. Differences in survey design, survey questions, estimation procedures, the socio-demographic and economic context, and changes in the structure and financing of the health care delivery system may all affect comparison between the 2001 Utah Health Status Survey and other surveys, including those conducted by the U.S. Bureau of the Census, the Behavioral Risk Factor Surveillance System surveys, and previous Utah Department of Health, Health Status Surveys.

Telephone surveys exclude certain population segments from the sampling frame, such as persons in group living quarters (e.g., military barracks, nursing homes) and households without telephones. At the time of the 1990 Decennial Census, only four percent of Utah households were without telephone service. Typically, telephone surveys are biased because telephone households under-represent lower income and certain minority populations. In addition, studies have shown that non-telephone households tend to have lower rates of health care utilization (especially dental care), poorer health habits and health status, and lower rates of health insurance coverage (Thornberry and Massey, 1988).

Despite these overall disparities between telephone and non-telephone households, the Utah Health Status Survey estimates may be considered adequately representative of all Utah households. The 2000 U.S. Census indicated that only 2% of Utah households were without telephone service in April of 2000. Furthermore, certain research (Keeter, 1995) suggests that a similarity exists between data from non-telephone households and telephone households that experienced an interruption in service over the past 12 months. This similarity exists because many, if not most, households currently without telephones did have service in the recent past, and will have service again in the future. Therefore, certain households with telephones (those that had a recent interruption in service) are representative of "non-phone" households, allowing health status survey estimates to be corrected for telephone non-coverage bias. This correction has typically not been made, and will be clearly indicated when it is used.

Casady, R.,J., and J.M., Lepkowski (1993) Stratified telephone survey designs. Survey Methodology, 19 (1) 103-113.

Keeter, S. (1995) Estimating telephone noncoverage bias with a telephone survey. Public Opinion Quarterly, 59, 196-217.

Thornberry, O.T., and J.R., Massey (1988) Trends in United States telephone coverage across time and subgroups. In Robert M. Groves, P. Biermer, L. Lyberg, J.

Massey, W. Nichols II, and J. Waksberg (eds.) Telephone Survey Methodology. New York: John Wiley and Sons.