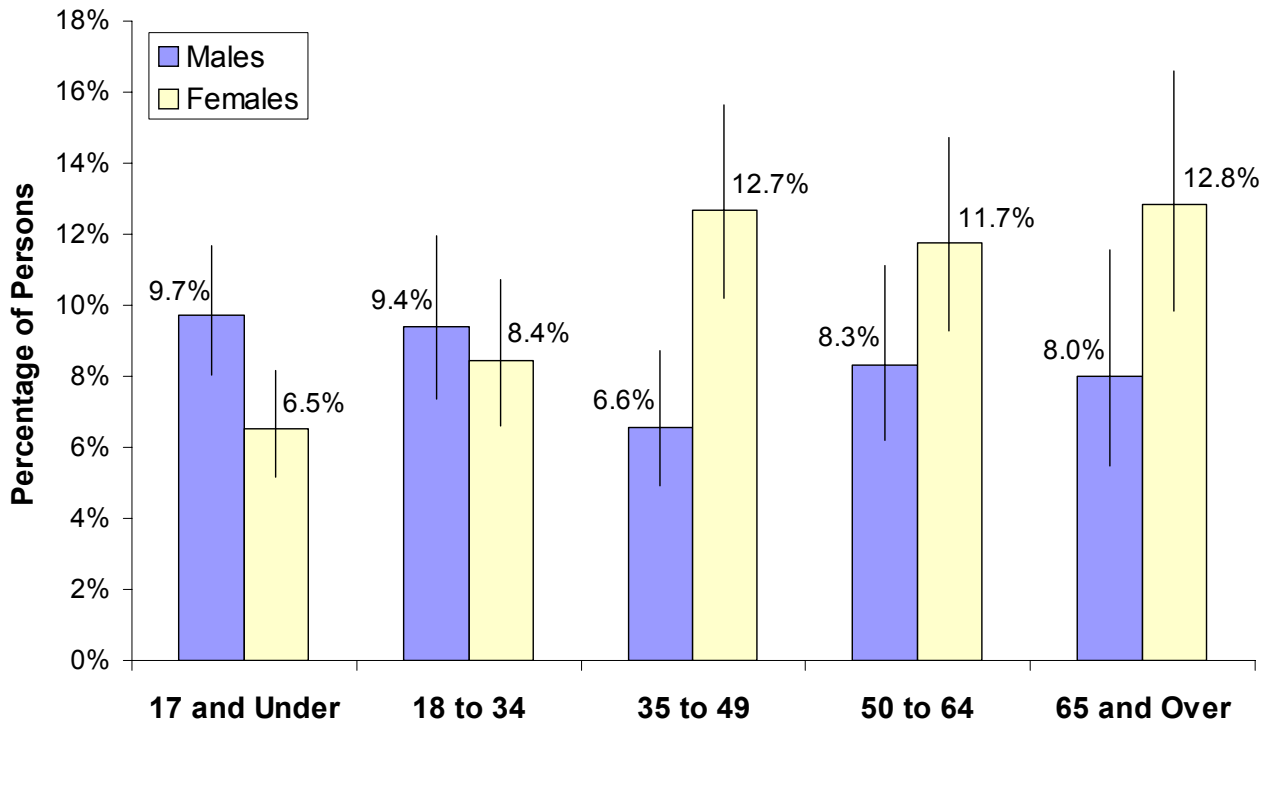




Figure 9.1 Percentage of Persons Who Had Ever Been Diagnosed With Asthma by Age and Sex, Utah, 2005



- The proportion of the population who reported being diagnosed with asthma increased with age.
- The highest rates for asthma were reported by women 35 years and over.
- Southwest health district had the highest percentage of Utahns who reported being diagnosed with asthma (12.4%).



Table 9. Asthma: Percentage of Persons Who Had Ever Been Diagnosed With Asthma by Selected Demographic Characteristics, Utah Residents, 2005

Demographic Subgroup	Utah Population Distribution		Survey Estimates of Utahns Who Had Ever Been Diagnosed With Asthma				
	Percentage Distribution	Number of Persons ¹	Percentage of Persons ² 95% Confidence Bounds			Number of Persons ^{3,4}	Percentage Distribution of Persons Ever Diagnosed With Asthma by Subgroup ⁴
			Lower	Upper			
2005 Utah Population	100.0%	2,528,926	9.0%	8.2%	9.9%	228,500	100.0%
Sex							
Male	50.2%	1,275,758	8.7%	7.6%	9.8%	110,700	48.4%
Female	49.8%	1,253,168	9.4%	8.4%	10.5%	117,800	51.6%
Total, All Utahns	100.0%	2,528,926	9.0%	8.2%	9.9%	228,500	100.0%
Age Group							
17 and Under	31.5%	788,452	8.2%	7.0%	9.5%	64,300	28.0%
18 to 34	29.1%	737,965	8.9%	7.5%	10.7%	65,900	28.7%
35 to 49	18.8%	465,964	9.5%	8.0%	11.3%	44,400	19.3%
50 to 64	12.1%	323,963	10.1%	8.3%	12.2%	32,700	14.2%
65 and Over	8.4%	212,582	10.6%	8.5%	13.2%	22,600	9.8%
Total, All Utahns	100.0%	2,528,926	9.0%	8.2%	9.9%	228,500	100.0%
Sex and Age							
Males, 17 and Under	16.2%	404,656	9.7%	8.1%	11.7%	39,300	17.1%
Males, 18 to 34	14.7%	376,364	9.4%	7.3%	12.0%	35,400	15.4%
Males, 35 to 49	9.5%	237,941	6.6%	4.9%	8.7%	15,600	6.8%
Males 50 to 64	6.0%	161,253	8.3%	6.2%	11.1%	13,400	5.8%
Males, 65 and Over	3.7%	95,544	8.0%	5.5%	11.5%	7,700	3.3%
Females, 17 and Under	15.3%	383,796	6.5%	5.2%	8.2%	25,000	10.9%
Females, 18 to 34	14.4%	361,601	8.4%	6.6%	10.7%	30,500	13.3%
Females, 35 to 49	9.3%	228,023	12.7%	10.2%	15.6%	28,900	12.6%
Females 50 to 64	6.1%	162,710	11.7%	9.3%	14.7%	19,100	8.3%
Females, 65 and Over	4.7%	117,038	12.8%	9.8%	16.6%	15,000	6.5%
Total, All Utahns	100.0%	2,528,926	9.0%	8.2%	9.9%	228,500	100.0%
Local Health District⁵							
Bear River	6.1%	149,705	5.8%	3.9%	8.5%	8,700	3.8%
Central	2.9%	71,046	10.8%	8.2%	14.2%	7,700	3.4%
Davis	10.7%	276,374	8.2%	6.0%	11.0%	22,600	9.9%
Salt Lake	39.6%	970,748	8.9%	7.5%	10.6%	86,700	37.9%
Southeastern	2.3%	52,832	11.5%	9.0%	14.7%	6,100	2.7%
Southwest	6.5%	182,295	12.4%	9.5%	16.0%	22,500	9.8%
Summit	1.4%	36,417	7.5%	5.3%	10.4%	2,700	1.2%
Tooele	2.0%	51,835	11.8%	9.6%	14.5%	6,100	2.7%
TriCounty	1.8%	42,327	7.4%	5.4%	10.0%	3,100	1.4%
Utah County	17.0%	453,977	8.4%	6.7%	10.4%	38,000	16.6%
Wasatch	0.7%	20,138	9.0%	6.8%	11.8%	1,800	0.8%
Weber-Morgan	8.9%	221,232	10.2%	7.5%	13.7%	22,600	9.9%
Total, All Utahns	100.0%	2,528,926	9.0%	8.2%	9.9%	228,500	100.0%
Health Insurance Coverage							
Insured	88.4%	2,236,100	9.3%	8.5%	10.3%	208,800	91.3%
Uninsured	11.6%	292,800	6.8%	5.1%	9.0%	19,900	8.7%
Total, All Utahns	100.0%	2,528,900	9.0%	8.2%	9.9%	228,500	100.0%
Annual Household Income							
Under \$20,000	10.1%	256,400	9.8%	7.2%	13.0%	25,000	10.8%
\$20,000 to <\$45,000	27.5%	695,800	9.5%	8.1%	11.3%	66,400	28.7%
\$45,000 to <\$65,000	23.8%	600,800	9.8%	7.9%	12.1%	59,000	25.5%
\$65,000 and Over	38.6%	975,900	8.3%	7.0%	9.7%	80,800	34.9%
Total, All Utahns	100.0%	2,528,900	9.0%	8.2%	9.9%	228,500	100.0%

See footnotes at end of table.



Table 9 (continued). Asthma: Percentage of Persons Who Had Ever Been Diagnosed With Asthma by Selected Demographic Characteristics, Utah Residents, 2005

Demographic Subgroup	Utah Population Distribution		Survey Estimates of Utahns Who Had Ever Been Diagnosed With Asthma				
	Percentage Distribution	Number of Persons ¹	Percentage of Persons ² 95% Confidence Bounds			Number of Persons ^{3,4}	Percentage Distribution of Persons Ever Diagnosed With Asthma by Subgroup ⁴
			Lower	Upper			
Poverty Status							
<100% Federal Poverty Level	10.6%	268,500	8.4%	6.2%	11.3%	22,600	9.9%
101-200% Federal Poverty Level	22.1%	559,400	8.5%	6.7%	10.8%	47,500	20.8%
201-300% Federal Poverty Level	38.3%	967,500	9.1%	7.8%	10.7%	88,500	38.8%
>300% Federal Poverty Level	29.0%	733,600	9.5%	8.0%	11.2%	69,500	30.5%
Total, All Utahns	100.0%	2,528,900	9.0%	8.2%	9.9%	228,500	100.0%
Education Level							
Some High School	6.7%	117,300	9.0%	6.0%	13.2%	10,600	6.4%
High School Grad/Some College	53.9%	938,900	9.7%	8.5%	11.0%	90,800	54.5%
Technical/Vocational Degree	10.0%	174,000	9.6%	7.2%	12.7%	16,700	10.0%
4 Year College Degree or More	29.3%	510,300	9.5%	7.9%	11.4%	48,500	29.1%
Total, All Utahns Aged 18+	100.0%	1,740,500	9.5%	8.6%	10.5%	165,600	100.0%
Employment Status							
Full Time	50.5%	879,600	8.5%	7.3%	9.8%	74,700	44.9%
Part Time	16.8%	291,600	9.2%	7.2%	11.6%	26,800	16.1%
Retired	11.0%	192,000	10.2%	8.0%	12.9%	19,600	11.8%
Keeping House	11.5%	199,700	10.6%	8.2%	13.7%	21,200	12.7%
Full Time Student	3.1%	53,300	14.4%	8.6%	23.2%	7,700	4.6%
Unemployed/Other	7.1%	124,300	13.1%	9.8%	17.5%	16,300	9.8%
Total, All Utahns Aged 18+	100.0%	1,740,500	9.5%	8.6%	10.5%	165,600	100.0%
Hispanic or Latino Ethnicity							
Hispanic or Latino	10.8%	274,100	3.3%	2.0%	5.4%	9,100	4.0%
Not Hispanic or Latino	89.2%	2,254,800	9.8%	8.9%	10.7%	221,100	96.0%
Total, All Utahns	100.0%	2,528,900	9.0%	8.2%	9.9%	228,500	100.0%
Marital Status							
Married	69.5%	1,209,400	9.3%	8.3%	10.5%	112,900	68.3%
Never Married	19.2%	334,300	8.4%	6.3%	11.0%	28,000	16.9%
Divorced/Separated/Widowed	11.3%	196,700	12.5%	9.8%	15.6%	24,500	14.8%
Total, All Utahns Aged 18+	100.0%	1,740,500	9.5%	8.6%	10.5%	165,600	100.0%

1 Population estimates of sex, age groups, and local health district based on 2005 baseline projections, Governor's Office of Planning and Budget, REMI model system; all others based on the 2005 UHSS and rounded to the nearest 100 persons.

2 Asymmetric confidence bounds were calculated using the logit transformation.

3 Rounded to the nearest 100 persons.

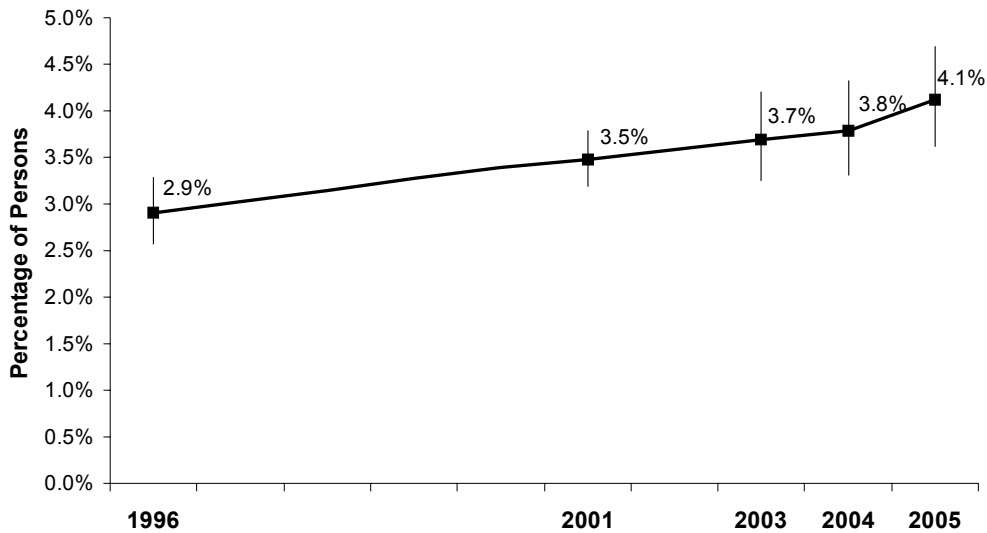
4 Figures in these columns may not sum to the total because of data weighting and missing values on the grouping variables.

5 These rates have not been age-adjusted. Age-adjusted rates are available upon request.

- Nine percent of Utahns reported that they had at some point been diagnosed with asthma.
- The prevalence of asthma among non-Hispanic persons was nearly three times more than for Hispanic persons (9.8% and 3.3% respectively).
- Insured Utahns were significantly more likely than the uninsured to report having been diagnosed with asthma. However, it is possible that the prevalence of asthma is higher for the uninsured because lack of insurance is a major barrier to care, and uninsured individuals would be less likely to have gone to a physician and be diagnosed with asthma.

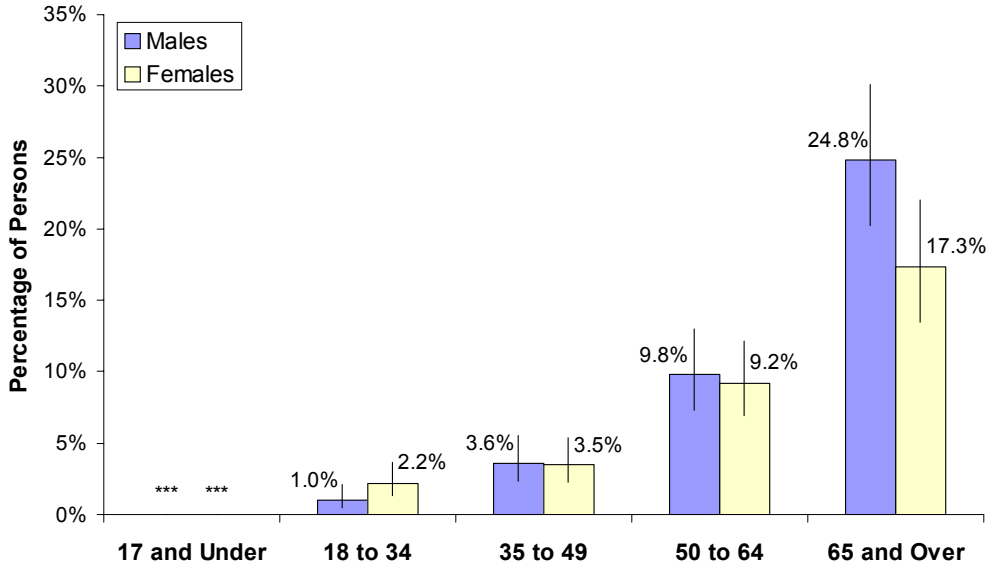


Figure 10.1 Percentage of Persons Who Had Been Diagnosed With Diabetes, Utah, 1996, 2001, 2003, 2004, and 2005



Note: Does not include gestational diabetes.

Figure 10.2 Percentage of Persons Who Had Ever Been Diagnosed With Diabetes by Age and Sex, Utah, 2005



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

Note: Does not include gestational diabetes.

- In 2005, 4.1% of all Utahns had been diagnosed with diabetes.
- As is typical for the disease, diabetes affects older Utahns more. For Utahns aged 18 and over 5.9% had diabetes and for those aged 65 and over, 20.7% reported having been diagnosed with diabetes.



Table 10. Diabetes: Percentage of Persons Who Had Been Diagnosed With Diabetes by Selected Demographic Characteristics, Utah Residents, 2005

Demographic Subgroup	Utah Population Distribution		Survey Estimates of Utahns Who Had Diabetes				
	Percentage Distribution	Number of Persons ¹	Percentage of Persons ² 95% Confidence Bounds			Number of Persons ^{3,4}	Percentage Distribution of Persons Who Had Diabetes by Subgroup ⁴
			Lower	Upper			
2005 Utah Population	100.0%	2,528,926	4.1%	3.6%	4.7%	104,200	100.0%
Sex							
Male	50.2%	1,275,758	4.1%	3.4%	4.8%	51,900	49.8%
Female	49.8%	1,253,168	4.2%	3.5%	5.0%	52,300	50.2%
Total, All Utahns	100.0%	2,528,926	4.1%	3.6%	4.7%	104,200	100.0%
Age Group							
17 and Under	31.5%	788,452	***	***	***	***	***
18 to 34	29.1%	737,965	1.6%	1.0%	2.5%	11,700	11.2%
35 to 49	18.8%	465,964	3.5%	2.6%	4.8%	16,500	15.8%
50 to 64	12.1%	323,963	9.5%	7.7%	11.6%	30,800	29.6%
65 and Over	8.4%	212,582	20.7%	17.5%	24.3%	44,100	42.3%
Total, All Utahns	100.0%	2,528,926	4.1%	3.6%	4.7%	104,200	100.0%
Sex and Age							
Males, 17 and Under	16.2%	404,656	***	***	***	***	***
Males, 18 to 34	14.7%	376,364	1.0%	0.5%	2.1%	3,700	3.6%
Males, 35 to 49	9.5%	237,941	3.6%	2.3%	5.5%	8,500	8.2%
Males, 50 to 64	6.0%	161,253	9.8%	7.3%	13.0%	15,800	15.2%
Males, 65 and Over	3.7%	95,544	24.8%	20.2%	30.1%	23,700	22.8%
Females, 17 and Under	15.3%	383,796	***	***	***	***	***
Females, 18 to 34	14.4%	361,601	2.2%	1.3%	3.7%	8,000	7.7%
Females, 35 to 49	9.3%	228,023	3.5%	2.2%	5.4%	8,000	7.7%
Females, 50 to 64	6.1%	162,710	9.2%	6.9%	12.1%	15,000	14.4%
Females, 65 and Over	4.7%	117,038	17.3%	13.5%	22.0%	20,300	19.5%
Total, All Utahns	100.0%	2,528,926	4.1%	3.6%	4.7%	104,200	100.0%
Local Health District⁵							
Bear River	6.1%	149,705	3.1%	2.0%	4.7%	4,700	4.5%
Central	2.9%	71,046	4.9%	3.3%	7.2%	3,500	3.4%
Davis	10.7%	276,374	3.3%	2.0%	5.1%	9,000	8.6%
Salt Lake	39.6%	970,748	4.7%	3.7%	5.8%	45,400	43.6%
Southeastern	2.3%	52,832	4.3%	2.8%	6.7%	2,300	2.2%
Southwest	6.5%	182,295	5.1%	3.6%	7.2%	9,200	8.8%
Summit	1.4%	36,417	2.0%	1.1%	3.6%	700	0.7%
Tooele	2.0%	51,835	4.0%	2.8%	5.8%	2,100	2.0%
TriCounty	1.8%	42,327	4.7%	3.2%	6.8%	2,000	1.9%
Utah County	17.0%	453,977	2.5%	1.8%	3.6%	11,500	11.0%
Wasatch	0.7%	20,138	2.5%	1.6%	3.9%	500	0.5%
Weber-Morgan	8.9%	221,232	6.0%	4.0%	8.8%	13,200	12.7%
Total, All Utahns	100.0%	2,528,926	4.1%	3.6%	4.7%	104,200	100.0%
Health Insurance Coverage							
Insured	88.4%	2,236,100	4.4%	3.9%	5.1%	99,400	94.6%
Uninsured	11.6%	292,800	2.0%	1.1%	3.6%	5,700	5.4%
Total, All Utahns	100.0%	2,528,900	4.1%	3.6%	4.7%	104,200	100.0%
Annual Household Income							
Under \$20,000	10.1%	256,400	5.9%	4.0%	8.6%	15,000	15.6%
\$20,000 to <\$45,000	27.5%	695,800	4.8%	3.8%	6.1%	33,300	34.5%
\$45,000 to <\$65,000	23.8%	600,800	3.8%	2.8%	5.2%	23,100	24.0%
\$65,000 and Over	38.6%	975,900	2.6%	2.0%	3.3%	25,000	25.9%
Total, All Utahns	100.0%	2,528,900	4.1%	3.6%	4.7%	104,200	100.0%

See footnotes at end of table.



Table 10 (continued). Diabetes: Percentage of Persons Who Had Been Diagnosed With Diabetes by Selected Demographic Characteristics, Utah Residents, 2005

Demographic Subgroup	Utah Population Distribution		Survey Estimates of Utahns Who Had Diabetes				
	Percentage Distribution	Number of Persons ¹	Percentage of Persons ²			Number of Persons ^{3,4}	Percentage Distribution of Persons Who Had Diabetes by Subgroup ⁴
			95% Confidence Bounds				
			Lower	Upper			
Poverty Status							
<100% Federal Poverty Level	10.6%	268,500	3.2%	1.8%	5.7%	8,600	8.9%
101-200% Federal Poverty Level	22.1%	559,400	3.7%	2.8%	5.0%	20,800	21.4%
201-300% Federal Poverty Level	38.3%	967,500	2.9%	2.3%	3.8%	28,400	29.3%
>300% Federal Poverty Level	29.0%	733,600	5.3%	4.3%	6.7%	39,200	40.4%
Total, All Utahns	100.0%	2,528,900	4.1%	3.6%	4.7%	104,200	100.0%
Education Level							
Some High School	6.7%	117,300	6.5%	4.1%	10.1%	7,600	7.5%
High School Grad/Some College	53.9%	938,900	6.7%	5.7%	7.9%	63,300	62.1%
Technical/Vocational Degree	10.0%	174,000	7.1%	5.0%	10.1%	12,400	12.2%
4 Year College Degree or More	29.3%	510,300	3.7%	2.8%	4.8%	18,700	18.3%
Total, All Utahns Aged 18+	100.0%	1,740,500	5.9%	5.2%	6.7%	103,200	100.0%
Employment Status							
Full Time	50.5%	879,600	4.3%	3.4%	5.3%	37,500	35.9%
Part Time	16.8%	291,600	2.8%	1.8%	4.3%	8,000	7.7%
Retired	11.0%	192,000	18.2%	15.1%	21.7%	34,900	33.4%
Keeping House	11.5%	199,700	4.0%	2.7%	6.1%	8,100	7.8%
Full Time Student	3.1%	53,300	***	***	***	***	***
Unemployed/Other	7.1%	124,300	12.4%	9.0%	16.9%	15,400	14.7%
Total, All Utahns Aged 18+	100.0%	1,740,500	5.9%	5.2%	6.7%	103,200	100.0%
Hispanic or Latino Ethnicity							
Hispanic or Latino	10.8%	274,100	5.0%	3.0%	8.4%	13,700	13.2%
Not Hispanic or Latino	89.2%	2,254,800	4.0%	3.5%	4.5%	90,100	86.8%
Total, All Utahns	100.0%	2,528,900	4.1%	3.6%	4.7%	104,200	100.0%
Marital Status							
Married	69.5%	1,209,400	5.6%	4.8%	6.5%	68,100	65.8%
Never Married	19.2%	334,300	3.2%	2.1%	5.0%	10,800	10.4%
Divorced/Separated/Widowed	11.3%	196,700	12.5%	9.9%	15.7%	24,600	23.8%
Total, All Utahns Aged 18+	100.0%	1,740,500	5.9%	5.2%	6.7%	103,200	100.0%

1 Population estimates of sex, age groups, and local health district based on 2005 baseline projections, Governor's Office of Planning and Budget, REMI model system; all others based on the 2005 UHSS and rounded to the nearest 100 persons.

2 Asymmetric confidence bounds were calculated using the logit transformation.

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. Age-adjusted rates are available upon request.

Note: Does not include gestational diabetes.

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

- The prevalence of diabetes has been increasing over the past several years. Since 1996, the Utah Health Status Survey has measured a 41.6% increase in diabetes.
- Utahns in households with less than \$20,000 annual income (5.9%) and those in Weber-Morgan health district (6.0%) had higher rates of diabetes prevalence.