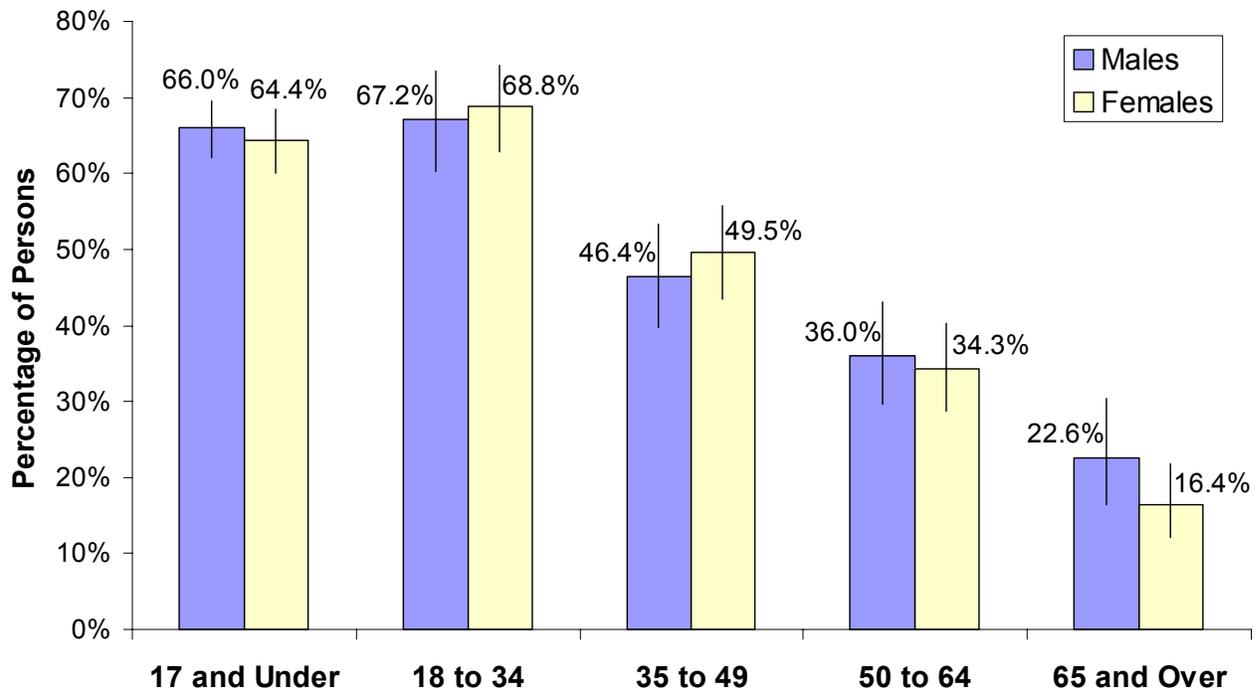




Figure 14.1 Percentage of Persons Who Had Received a Complete Hepatitis B Vaccine Series by Age and Sex, Utah, 2005



- Hepatitis B is a serious disease caused by a virus that attacks the liver. The virus, which is called hepatitis B virus (HBV), can cause lifelong infection, cirrhosis (scarring) of the liver, liver cancer, liver failure, and death. There is a Hepatitis B vaccine series consisting of three shots. It is recommended that all children aged 0 to 18 get the vaccine series, along with several risk groups. <http://www.cdc.gov/ncidod/diseases/hepatitis/b/fact.htm>
- Those aged 18 to 34 years were the most likely aged group to have had the complete Hepatitis B vaccine series (68.1%), while those aged 65 and over were the least likely (18.7%).



Table 14. Immunizations: Percentage of Persons Who Had Received a Complete Hepatitis B Vaccine Series by Selected Demographic Characteristics, Utah Residents, 2005

Demographic Subgroup	Utah Population Distribution		Survey Estimates of Utahns Who Had a Complete Hepatitis B Vaccine Series				
	Percentage Distribution	Number of Persons ¹	Percentage of Persons ²			Number of Persons ^{3,4}	Percentage Distribution of Persons Who Had a Complete Hepatitis B Series by Subgroup ⁴
			95% Confidence Bounds				
			Lower	Upper			
2005 Utah Population	100.0%	2,528,926	56.3%	54.1%	58.4%	1,423,000	100.0%
Sex							
Male	50.2%	1,275,758	57.7%	54.9%	60.4%	736,100	51.7%
Female	49.8%	1,253,168	55.0%	52.3%	57.6%	688,900	48.3%
Total, All Utahns	100.0%	2,528,926	56.3%	54.1%	58.4%	1,423,000	100.0%
Age Group							
17 and Under	31.5%	788,452	65.2%	61.8%	68.4%	514,000	36.9%
18 to 34	29.1%	737,965	68.1%	63.6%	72.2%	502,200	36.0%
35 to 49	18.8%	465,964	48.0%	43.4%	52.6%	223,600	16.1%
50 to 64	12.1%	323,963	35.0%	30.8%	39.5%	113,500	8.1%
65 and Over	8.4%	212,582	18.7%	15.0%	23.1%	39,800	2.9%
Total, All Utahns	100.0%	2,528,926	56.3%	54.1%	58.4%	1,423,000	100.0%
Sex and Age							
Males, 17 and Under	16.2%	404,656	66.0%	62.2%	69.6%	267,100	19.2%
Males, 18 to 34	14.7%	376,364	67.2%	60.2%	73.4%	252,700	18.1%
Males, 35 to 49	9.5%	237,941	46.4%	39.7%	53.3%	110,500	7.9%
Males 50 to 64	6.0%	161,253	36.0%	29.6%	43.0%	58,100	4.2%
Males, 65 and Over	3.7%	95,544	22.6%	16.4%	30.3%	21,600	1.5%
Females, 17 and Under	15.3%	383,796	64.4%	60.1%	68.4%	247,000	17.7%
Females, 18 to 34	14.4%	361,601	68.8%	62.9%	74.2%	248,900	17.9%
Females, 35 to 49	9.3%	228,023	49.5%	43.4%	55.7%	112,900	8.1%
Females 50 to 64	6.1%	162,710	34.3%	28.8%	40.2%	55,800	4.0%
Females, 65 and Over	4.7%	117,038	16.4%	12.0%	21.9%	19,200	1.4%
Total, All Utahns	100.0%	2,528,926	56.3%	54.1%	58.4%	1,423,000	100.0%
Local Health District⁵							
Bear River	6.1%	149,705	58.1%	50.9%	65.0%	87,000	6.1%
Central	2.9%	71,046	46.7%	39.9%	53.6%	33,200	2.3%
Davis	10.7%	276,374	59.2%	52.4%	65.7%	163,700	11.5%
Salt Lake	39.6%	970,748	57.6%	53.7%	61.4%	558,800	39.2%
Southeastern	2.3%	52,832	48.4%	41.3%	55.5%	25,600	1.8%
Southwest	6.5%	182,295	53.2%	46.1%	60.1%	96,900	6.8%
Summit	1.4%	36,417	60.6%	53.3%	67.4%	22,100	1.6%
Tooele	2.0%	51,835	57.8%	51.3%	64.0%	30,000	2.1%
TriCounty	1.8%	42,327	41.2%	35.3%	47.4%	17,400	1.2%
Utah County	17.0%	453,977	59.9%	54.8%	64.8%	271,900	19.1%
Wasatch	0.7%	20,138	54.3%	47.6%	60.9%	10,900	0.8%
Weber-Morgan	8.9%	221,232	48.1%	40.9%	55.5%	106,500	7.5%
Total, All Utahns	100.0%	2,528,926	56.3%	54.1%	58.4%	1,423,000	100.0%
Health Insurance Coverage							
Insured	88.4%	2,236,100	56.4%	54.2%	58.6%	1,261,900	89.0%
Uninsured	11.6%	292,800	53.2%	45.3%	60.9%	155,600	11.0%
Total, All Utahns	100.0%	2,528,900	56.3%	54.1%	58.4%	1,423,000	100.0%

See footnotes at end of table.



Table 14 (continued). Immunizations: Percentage of Persons Who Had Received a Complete Hepatitis B Vaccine Series by Selected Demographic Characteristics, Utah Residents, 2005

Demographic Subgroup	Utah Population Distribution		Survey Estimates of Utahns Who Had a Complete Hepatitis B Vaccine Series				
	Percentage Distribution	Number of Persons ¹	Percentage of Persons ²			Number of Persons ^{3,4}	Percentage Distribution of Persons Who Had a Complete Hepatitis B Series by Subgroup ⁴
			95% Confidence Bounds				
			Lower	Upper			
Annual Household Income							
Under \$20,000	10.1%	256,400	49.2%	42.4%	56.0%	126,200	8.6%
\$20,000 to <\$45,000	27.5%	695,800	58.8%	54.8%	62.7%	409,000	28.0%
\$45,000 to <\$65,000	23.8%	600,800	59.2%	54.6%	63.7%	355,700	24.4%
\$65,000 and Over	38.6%	975,900	58.4%	54.5%	62.1%	569,500	39.0%
Total, All Utahns	100.0%	2,528,900	56.3%	54.1%	58.4%	1,423,000	100.0%
Poverty Status							
<100% Federal Poverty Level	10.6%	268,500	60.2%	52.3%	67.6%	161,600	11.1%
101-200% Federal Poverty Level	22.1%	559,400	59.6%	54.9%	64.1%	333,300	22.9%
201-300% Federal Poverty Level	38.3%	967,500	59.5%	55.7%	63.2%	575,800	39.6%
>300% Federal Poverty Level	29.0%	733,600	52.3%	48.6%	56.0%	384,000	26.4%
Total, All Utahns	100.0%	2,528,900	56.3%	54.1%	58.4%	1,423,000	100.0%
Education Level							
Some High School	6.7%	117,300	34.3%	24.7%	45.5%	40,300	4.9%
High School Grad/Some College	53.9%	938,900	43.5%	40.2%	46.9%	408,600	49.8%
Technical/Vocational Degree	10.0%	174,000	48.8%	41.6%	55.9%	84,800	10.3%
4 Year College Degree or More	29.3%	510,300	56.3%	52.0%	60.5%	287,500	35.0%
Total, All Utahns Aged 18+	100.0%	1,740,500	47.5%	45.1%	49.9%	826,300	100.0%
Employment Status							
Full Time	50.5%	879,600	52.8%	49.3%	56.4%	464,800	54.8%
Part Time	16.8%	291,600	56.3%	50.1%	62.4%	164,300	19.4%
Retired	11.0%	192,000	22.5%	18.3%	27.4%	43,300	5.1%
Keeping House	11.5%	199,700	43.8%	36.8%	51.0%	87,500	10.3%
Full Time Student	3.1%	53,300	77.1%	61.1%	87.8%	41,100	4.8%
Unemployed/Other	7.1%	124,300	37.5%	29.5%	46.2%	46,600	5.5%
Total, All Utahns Aged 18+	100.0%	1,740,500	47.5%	45.1%	49.9%	826,300	100.0%
Hispanic or Latino Ethnicity							
Hispanic or Latino	10.8%	274,100	60.9%	51.8%	69.3%	166,900	11.8%
Not Hispanic or Latino	89.2%	2,254,800	55.4%	53.2%	57.6%	1,249,800	88.2%
Total, All Utahns	100.0%	2,528,900	56.3%	54.1%	58.4%	1,423,000	100.0%
Marital Status							
Married	69.5%	1,209,400	49.1%	46.2%	52.0%	594,300	69.7%
Never Married	19.2%	334,300	57.9%	50.7%	64.8%	193,700	22.7%
Divorced/Separated/Widowed	11.3%	196,700	32.6%	27.7%	37.9%	64,100	7.5%
Total, All Utahns Aged 18+	100.0%	1,740,500	47.5%	45.1%	49.9%	826,300	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.

- 56.3% of Utahns reported having received the full series (3 shots) for Hepatitis B.
- Although a slight majority of Utahns had received the complete Hepatitis B series, 43.7% had not received this vaccine series.