

1996 Utah Health Status Survey Report

SOCIO-ECONOMIC STATUS AND HEALTH IN UTAH

**Bureau of Surveillance and Analysis
Office of Public Health Data**



For more information contact:

Bureau of Surveillance and Analysis
Utah Department of Health
288 North 1460 West
Box 142875
Salt Lake City, Utah 84114-2875
Phone: (801) 538-6108
FAX: (801) 538-7053
Email: hlhda.phdata@state.ut.us

This report is also available on the Internet at URL:

<http://hlunix.hl.state.ut.us/action2000/reports.html>

Socio-Economic Status and Health in Utah

Bureau of Surveillance and Analysis
Office of Public Health Data

January 1998

This report can be reproduced and distributed without permission.

Suggested citation

Bureau of Surveillance and Analysis. (1998). Socio-Economic Status and Health in Utah (1996 Utah Health Status Survey Report). Salt Lake City, UT: Utah Department of Health.

ACKNOWLEDGMENTS

The *1996 Utah Health Status Survey* was funded by the Utah State Legislature. The Office of Public Health Data, Bureau of Surveillance and Analysis, under the direction of Robert T. Rolfs, MD, provided general oversight for the project. It is the mission of the Office of Public Health Data to facilitate, coordinate, and assure the appropriate collection, analysis, and interpretation of accurate health data for purposes of surveillance, policy development, and program planning and evaluation.

1996 Utah HSS Planning Committee

Chair: Lois M. Haggard, PhD, Bureau of Surveillance and Analysis, UDOH

Staff: Kimberly Bangerter, Bureau of Surveillance and Analysis, UDOH

Members:

Sherrie Ahlstrom, RN, BSN, Tooele County Health Department

Denise Beaudoin, MD, MSPH, Chronic Disease Team, UDOH

John Brockert, MSPH, Bureau of Vital Records and Health Statistics, UDOH

Ken Buchi, MD, Veteran's Administration Hospital

Gary L. Edwards, MS, CHES, Southwest Utah Public Health Department

Rebecca Giles, BS, CHES, Health Promotion Team, UDOH

Rich Kerber, PhD, Utah Cancer Registry, University of Utah

Kirin McInnis, MA, Governor's Office of Planning and Budget

Barry Nangle, PhD, Bureau of Vital Records, UDOH

Fineasi Nau, MA, Governor's Office of Polynesian Affairs

Luis Paita, PhD, Office of Health Data Analysis, UDOH

Lorena Riffo, JD, Governor's Office of Hispanic Affairs

Robert T. Rolfs, MD, Bureau of Surveillance and Analysis, UDOH

Darryl L. Snyder, Bureau of Surveillance and Analysis, UDOH

Kevin Thompson, MS, Weber/Morgan District Health Department

Michael B. Toney, PhD, Population Research Laboratory, Utah State University

Kim Wixon, MBA, General Services, UDOH

Wu Xu, PhD, Division of Community and Family Health Services, UDOH

The report was developed and prepared by:

Kirsten Davis

Kim Bangerter

The following individuals reviewed earlier drafts of this report:

Robert T. Rolfs, MD, Office of Public Health Data

Lois M. Haggard, Ph.D.

TABLE OF CONTENTS

	Page
Acknowledgments	ii
List of Figures and Tables	v
Preface	vii
Introduction	ix
Summary of Findings	xi
Highlights	1
Reference Tables	17
Technical Notes	63
Bibliography	71

LIST OF FIGURES AND TABLES

	Page Number	
	Figure	Reference Table
Accomplished Less Due to Problems with Physical Health by Education Level, Sex, and Age. Utahns Age 25 and Over, 1996.	3, 4	17
Accomplished Less Due to Problems with Mental Health by Education Level, Sex, and Age. Utahns Age 25 and Over, 1996.	3	18
Fair/Poor Health Status by Education Level, Sex, and Age. Utahns Age 25 and Over, 1996.	3, 11	19
Fair/Poor Health Status by Education Level, Sex, and Age. Utahns Age 25 and Over, 1991.	11	20
Fair/Poor Health Status by Education Level, Sex, and Age. Utahns Age 25 and Over, 1986.	11	21
Accomplished Less Due to Problems with Physical Health by Annual Household Income, Sex, and Age. Utahns Age 25 and Over, 1996.	4	22
Accomplished Less Due to Problems with Mental Health by Annual Household Income, Sex, and Age. Utahns Age 25 and Over, 1996.	4	23
Fair/Poor Health Status by Annual Household Income, Sex, and Age. Utahns Age 25 and Over, 1996	4, 5	24
Fair/Poor Health Status by Household Poverty Status, Sex, and Age. Utahns Age 25 and Over, 1996.	12	25
Fair/Poor Health Status by Household Poverty Status, Sex, and Age. Utahns Age 25 and Over, 1991.	12	26
Fair/Poor Health Status by Household Poverty Status, Sex, and Age. Utahns Age 25 and Over, 1986.	12	27
Accomplished Less Due to Problems with Physical Health by Job Rating, Sex, and Age. Utahns Age 25 and Over Who Were Full Time Employed, 1996.	5, 6	28
Accomplished Less Due to Problems with Mental Health by Job Rating, Sex, and Age. Utahns Age 25 and Over Who Were Full Time Employed, 1996.	5	29
Fair/Poor Health Status by Job Rating, Sex, and Age. Utahns Age 25 and Over Who Were Full Time Employed, 1996.	5	30
Accomplished Less Due to Problems with Physical Health by Health Insurance Coverage, Sex, and Age. Utahns Age 25-64, 1996.	7	31
Accomplished Less Due to Problems with Mental Health by Health Insurance Coverage, Sex, and Age. Utahns Age 25-64, 1996.	7, 8	32

	Page Number	
	Figure	Reference Table
Fair/Poor Health Status by Health Insurance Coverage, Sex, and Age. Utahns Age 25-64, 1996.	7, 13	33
Fair/Poor Health Status by Health Insurance Coverage, Sex, and Age. Utahns Age 25-64, 1991.	13	34
Fair/Poor Health Status by Health Insurance Coverage, Sex, and Age. Utahns Age 25-64, 1986.	13	35
Accomplished Less Due to Problems with Physical Health by Household Savings, Sex, and Age. Utahns Age 25 and Over, 1996.	9	36
Accomplished Less Due to Problems with Mental Health by Household Savings, Sex, and Age. Utahns Age 25 and Over, 1996.	9	37
Fair/Poor Health Status by Household Savings, Sex, and Age. Utahns Age 25 and Over, 1996.	9, 10	38
Accomplished Less Due to Problems with Physical Health by Home Ownership, Sex, and Age. Utahns Age 25 and Over, 1996.	10	39
Accomplished Less Due to Problems with Mental Health by Home Ownership, Sex, and Age. Utahns Age 25 and Over, 1996.	10	40
Fair/Poor Health Status by Home Ownership, Sex, and Age. Utahns Age 25 and Over, 1996.	10, 11	41
Accomplished Less Due to Problems with Physical Health by Religious Activity, Sex, and Age. Utahns Age 25 and Over, 1996.	---	42
Accomplished Less Due to Problems with Mental Health by Religious Activity, Sex, and Age. Utahns Age 25 and Over, 1996.	---	43
Fair/Poor Health Status by Religious Activity, Sex, and Age. Utahns Age 25 and Over, 1996.	---	44
Accomplished Less Due to Problems with Physical Health by Household Structure and Sex. Utahns Age 25-55, 1996.	---	45
Accomplished Less Due to Problems with Mental Health by Household Structure and Sex. Utahns Age 25-55, 1996.	---	46
Fair/Poor Health Status by Household Structure and Sex. Utahns Age 25-55, 1996.	---	47
Fair/Poor Health Status by Local Health District and Selected Demographic and SES Variables. Utahns Age 25 and Over, 1996.	14	48-59

PREFACE

The information in this report is based on data collected in the 1996 Utah Health Status Survey. The survey represents the third of its type, with previous surveys conducted in 1986 and 1991. It provides information on a variety of topics related to health status and health care delivery systems at statewide and health district levels. These topics are presented in separate reports released in 1997 or due to be released in 1998 under the headings listed below.

Health Insurance Coverage

Health Care Access and Utilization

Health Status in Utah

Socio-Economic Status and Health

Lifestyle Factors: Alcohol, Tobacco, Exercise, and 5-A-Day

Chronic Medical Conditions

Preventive Health Screening

Injuries in Utah

Interpersonal Violence

Hearing, Vision, and Speech Disorders

The survey was funded by a one-time legislative appropriation and was designed, analyzed, and reported by the Utah Department of Health, Bureau of Surveillance and Analysis. The survey sample was designed to be representative of Utahns, and is perhaps best described as a weighted probability sample consisting of approximately 6,300 households disproportionately stratified by twelve local health districts that cover the entire state.

The Gallup Organization conducted the telephone interviews using computer-assisted random digit dialing techniques. In each household, one adult (age 18 or older) was randomly selected to respond to survey questions about themselves, about the household as a unit, or with regard to each household member. In addition to “core” survey questions that were asked of every household, sets of supplemental questions were administered to different subsets of the overall sample. The survey results were weighted to reflect the age, sex, geographic distribution, and Hispanic status of the population. Selected analyses were adjusted for non-telephone households. The interview process took place over a three month period from June to August, 1996. The cooperation rate was 66.3%. A detailed description of the methodology can be found in the *Technical Notes* section of this report.

The information in this report can be used to facilitate policy and planning decisions. While it is intended 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 situation in Utah.

INTRODUCTION

Socio-economic status (SES) has been recognized as an important determinant of health since the early part of this century. The 1994 conference on “Measuring Social Inequalities in Health” recommended that health data, including government surveys, vital records systems and cancer registries collect and present data on SES. Two of their recommendations were: data collection should include variables that portray occupation, assets, and household composition; and that the data on the relationship between SES and health be available at the state and local level to improve public health program planning.

The adverse effects of severe poverty on health seem undeniable. People with insufficient resources often live in substandard housing, experience poor diets and malnutrition, and have inadequate medical care, all of which contribute to poor health. Gradients in health exist not only between the extremes of SES; people at one income level often possess better health than persons with only slightly less income (Adler, et al., 1994).

Measures of SES traditionally include, income, assets, education, and occupation, or some combination of them. The 1996 Health Status Survey addressed these factors as well as other measures important for exploring the relationship between SES and health status. This survey contained questions about income, education, and assets such as having household savings, health insurance and home ownership. The 1996 survey also examined how respondents rated their jobs. Adults, employed outside the home or who reported their occupation as “keeping house,” were asked how their jobs compare with an “average job.” The present survey also contained several questions regarding such assets as having household savings, having health insurance, and owning their residence.

Research literature implies that health is affected not only by one’s standard of living and working conditions, but also by involvements with family and others in different social contexts (Krieger, Williams, & Moss, 1997). This survey included information about the relationships among individuals in each household. In addition to information on SES, we also asked respondents their religious affiliation and whether they attended services “about once a week or more, or less often than once a week.”

Health status at the community level is often assessed using death rates, incidence or prevalence of disease or disability, or utilization of health care. These methods have important limitations at the community level and even more so at the individual level. An alternative is to use individuals self-reported health status. The Medical Outcomes Study SF-12 (Ware, Kosinski, & Keller, 1996) was developed to provide standard measures of individuals self-reported health status. For this analysis, three items from the SF-12 were selected as indicators of health status. Two SF-12 items asked whether the respondent had “accomplished less” as a result of their physical or mental health. These health indicators were asked of the survey’s 6,131 randomly-selected adult respondents. The third indicator asked whether the individual judged their health status to be “poor,” “fair,” “good,” “very good,” or “excellent.” For these analyses, persons who responded that their health status was “fair” or “poor” were grouped together. This question was asked of all persons in the survey. SES can be unstable and its measurement inaccurate for young adults, so this analysis was restricted to adults age 25 years or over.

Socio-Economic Status and Health is organized into three sections: Highlights; Reference Tables and a Technical Appendix.

The **Highlights** section presents figures that illustrate the relationship between the three selected measures of health status and the different measures of SES included in the survey. Several tables are presented together for each measure of SES. In each grouping of figures a figure showing all three indicators of health status is followed by figures showing selected measures of health status stratified by age and/or by sex when different in pattern or magnitude from overall percentages. A final grouping of figures compares measures of health status obtained in the 1986, 1991 and 1996 surveys.

The **Reference Tables** section provides detailed survey estimates and the 95% confidence intervals that correspond with the figures in the Highlights section as well as additional more detailed tabulations. Analyses by local health district are presented for select SES and health status measure.

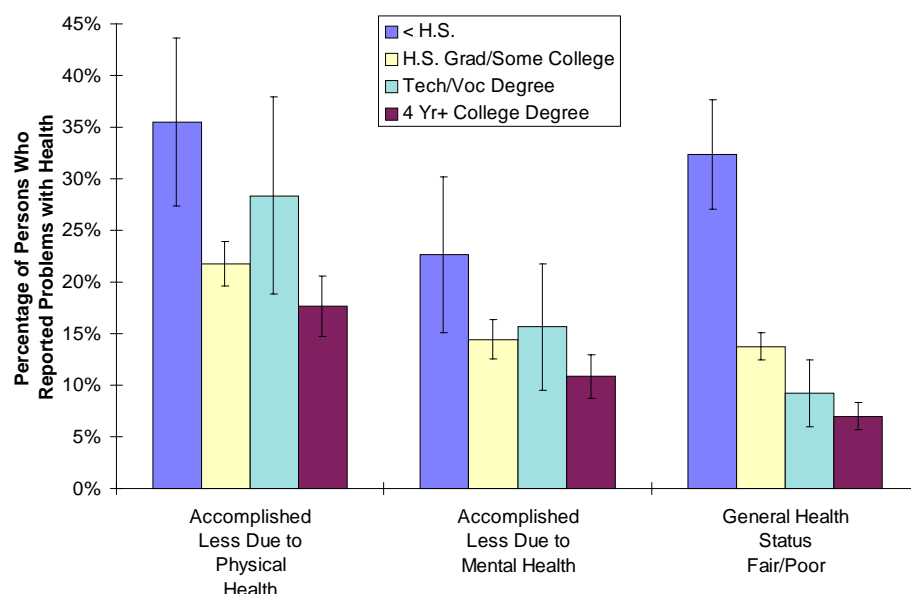
The final section, a **Technical Appendix**, describes the Health Status Survey data collection methodology and analysis process.

SUMMARY OF FINDINGS

- In general, as level of education increased, the percentage of persons reporting problems with health decreased.
 - Women with more formal education were less likely to report problems with physical health.
 - Men with technical/vocational degrees reported problems with physical health more often than did men in any other education category, including those who were not high school graduates.
- As their income level increased, people were progressively less likely to report health problems.
 - The largest differences in reported health status between income levels were for people in their prime wage earning years (age 35-64).
- In general, full time employed people who rated their jobs more favorably, reported better health.
 - About 84% of full time employed Utahns rated their job as “above average” to “excellent”.
 - Those who rated their jobs as “average or below” reported more health problems than those who reported having “excellent” jobs.
- People without health insurance were more likely to report health problems.
 - Uninsured persons age 25-64, were more likely to report problems with mental health than were people with health insurance. That relationship was more pronounced for men.
 - People without health insurance reported more mental health problems than did insured persons.
 - Among people age 35-49, those with health insurance reported much better health status than those without insurance.
- People who had been able to save at least two months annual household income reported better health than people without that amount of savings.
 - Research shows that older people report better mental health than younger people. In this survey, the opposite was true for people who did not have at least two months income saved.
 - People who did not have at least two months income saved were more likely to report fair/poor health. That relationship was more pronounced for females.
- People who owned their home reported better health than those who rented.
- The relationship between religious affiliation and involvement and reported health status was inconsistent.
- Among persons age 25-55, those who were unmarried with children in the household were more likely to report problems with physical and mental health than those in other family household structures.
- People with the lowest socio-economic status reported more health problems in all three survey years, 1986, 1991, 1996.
 - For those living in poverty, the percentage reporting fair/poor health increased between 1986 and 1996, whereas no such increase was found among those living above the poverty line.

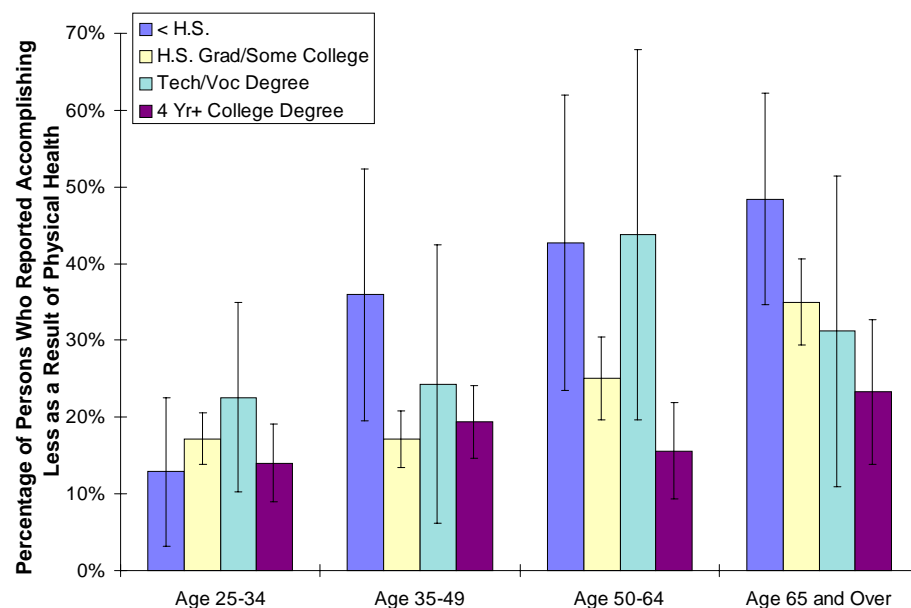
HIGHLIGHTS

Selected Health Status Indicators by Education Level. Utahns Age 25 and Over, 1996.



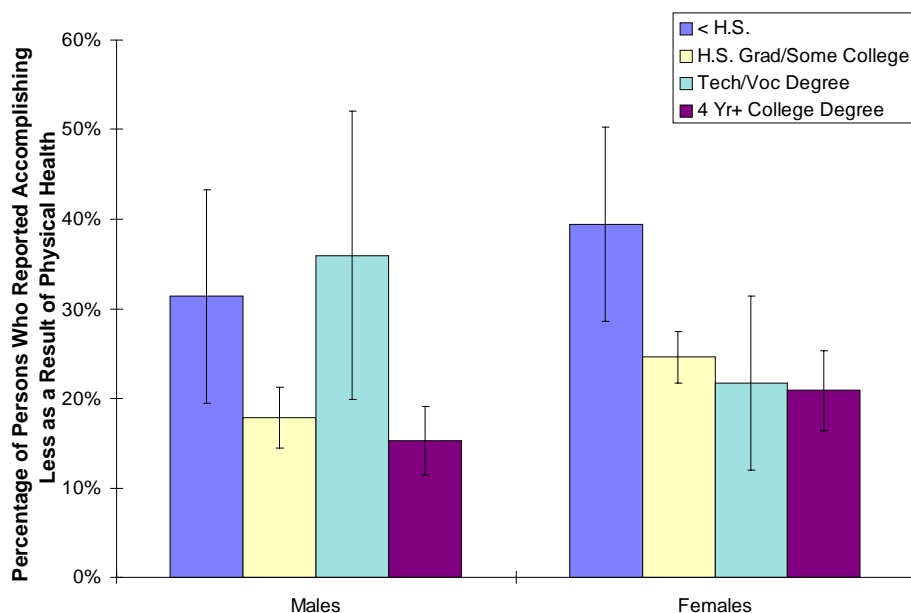
- In general, as level of education increased, fewer people reported problems with health.
- People with technical/vocational degrees reported more problems with physical health than did those without a high school degree. This could be due to greater physical demands at work for people holding this type of degree.

Accomplished Less Due to Problems with Physical Health by Education Level and Age. Utahns Age 25 and Over, 1996.



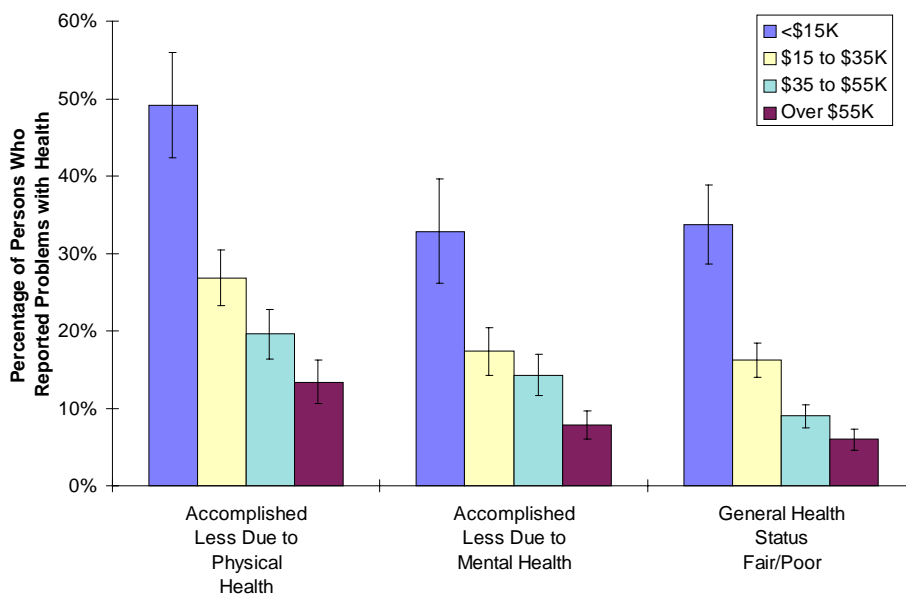
- Among people age 65 and over, we see the expected trend of better physical health as education level increases.
- The relationship between physical health and education level was different for the other age groups.

Accomplished Less Due to Problems with Physical Health by Education Level and Sex. Utahns Age 25 and Over, 1996.



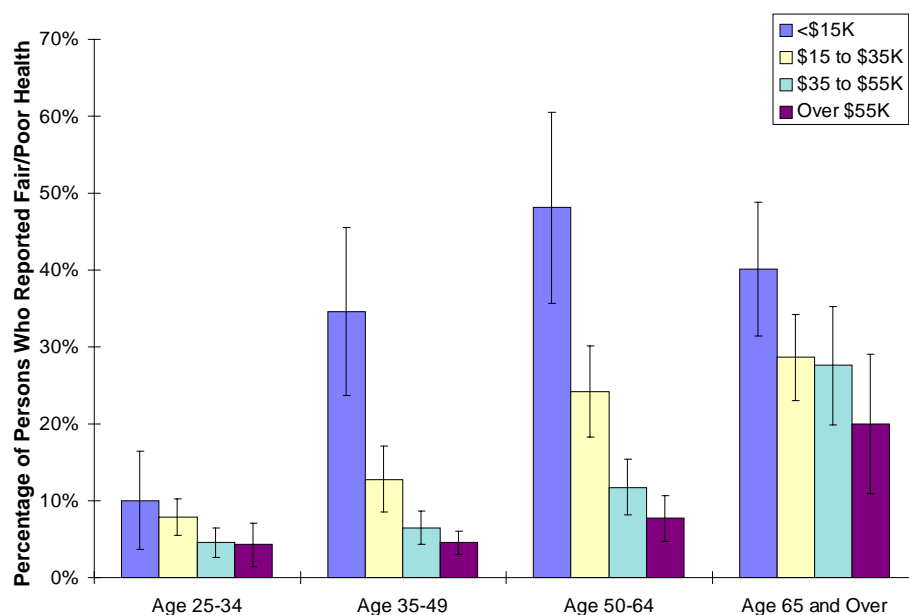
- The percentage of women who reported problems with physical health decreased as education level increased.
- Men with technical/vocational degrees reported worse physical health than men in any other education group.

Selected Health Status Indicators by Annual Household Income. Utahns Age 25 and Over, 1996.



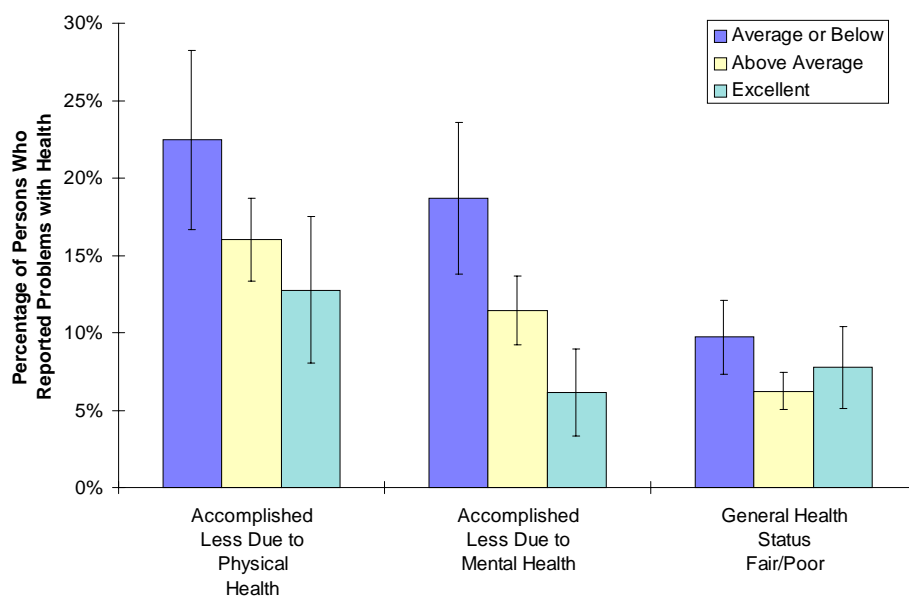
- People with less income reported poorer mental, physical, and general health status.

Fair/Poor Health Status by Annual Household Income and Age. Utahns Age 25 and Over, 1996.



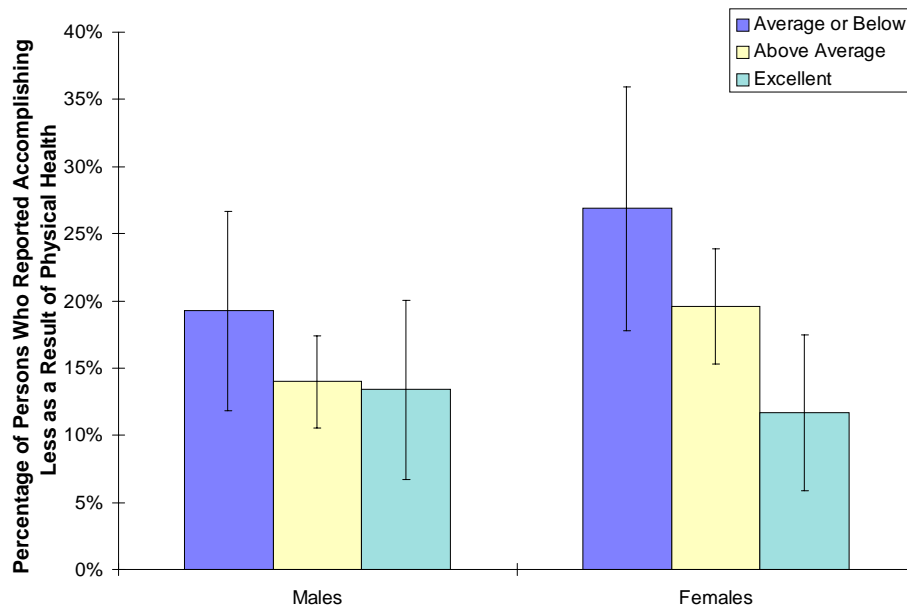
- **Poorer people reported poorer health status at all ages.**
- **The largest differences in health status between income levels were reported by people age 35-64 in their prime income earning years.**

Selected Health Status Indicators by Job Rating. Utahns Age 25 and Over, Full Time Employed, 1996.



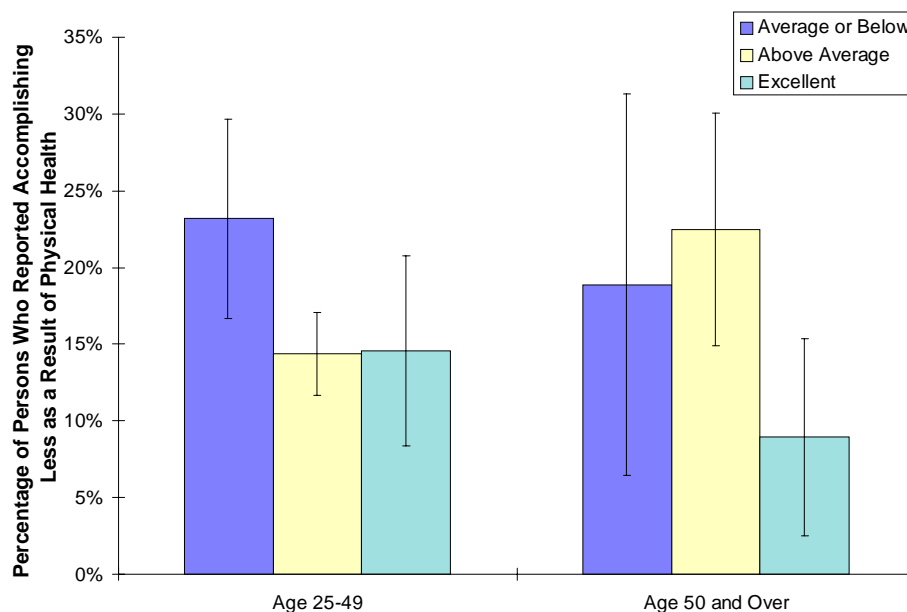
- **In general, people who rated their jobs more favorably reported better health status.**
- **About 84% of full time employed persons rated their job above average or excellent, when compared to an “average job.”**

Accomplished Less Due to Problems with Physical Health by Job Rating and Sex.
Utahns Age 25 and Over, Full Time Employed, 1996.



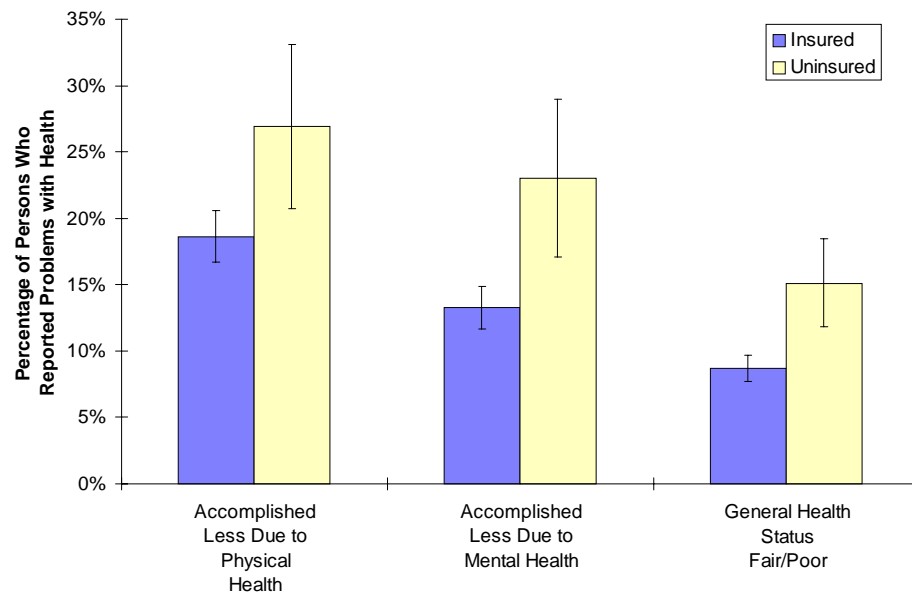
- The relationship between job ratings and physical health was stronger for women than for men.

Accomplished Less Due to Problems with Physical Health by Job Rating and Age.
Utahns Age 25 and Over, Full Time Employed, 1996.



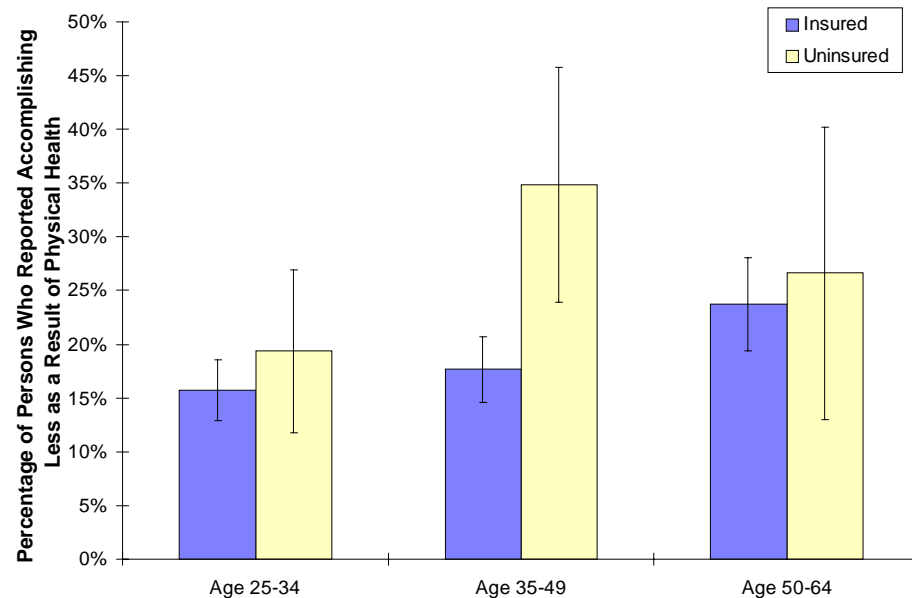
- In general, both older and younger people who rated their job as average or below also reported poorer physical health.

Selected Health Status Indicators by Health Insurance Coverage. Utahns Age 25-64, 1996.



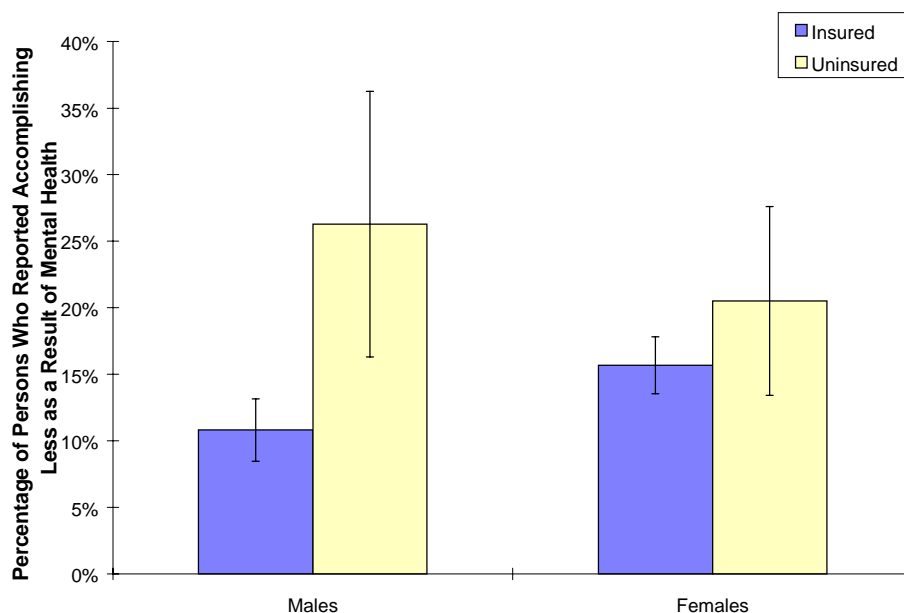
- **People without health insurance reported poorer health on all three measures.**

Accomplished Less Due to Problems with Physical Health by Health Insurance Coverage. Utahns Age 25-64, 1996.



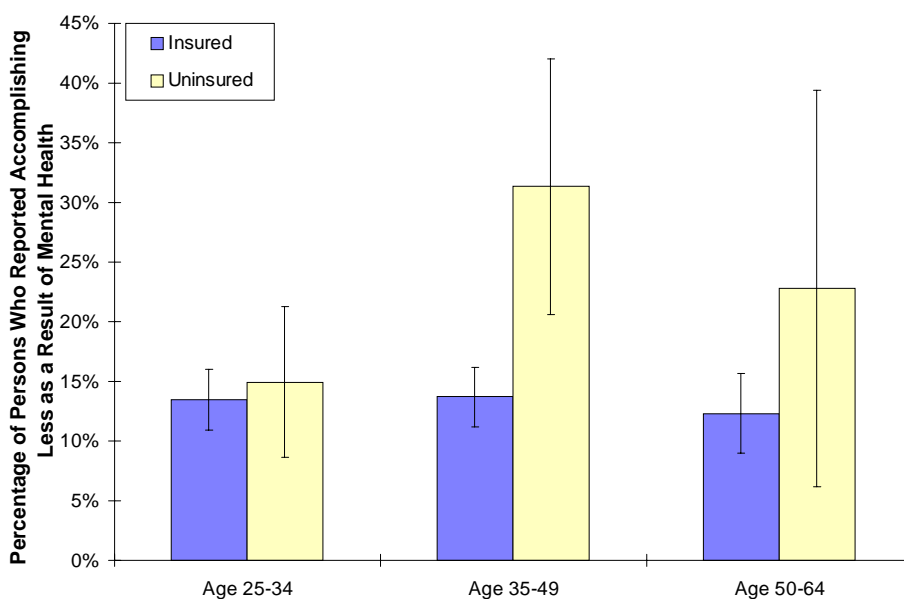
- **The difference in health status between insured and uninsured persons was largest for people age 35-49.**
- **Uninsured people were not significantly more likely to report physical health problems in the other age groups.**

Accomplished Less Due to Problems with Mental Health by Health Insurance Coverage and Sex. Utahns Age 25-64, 1996.



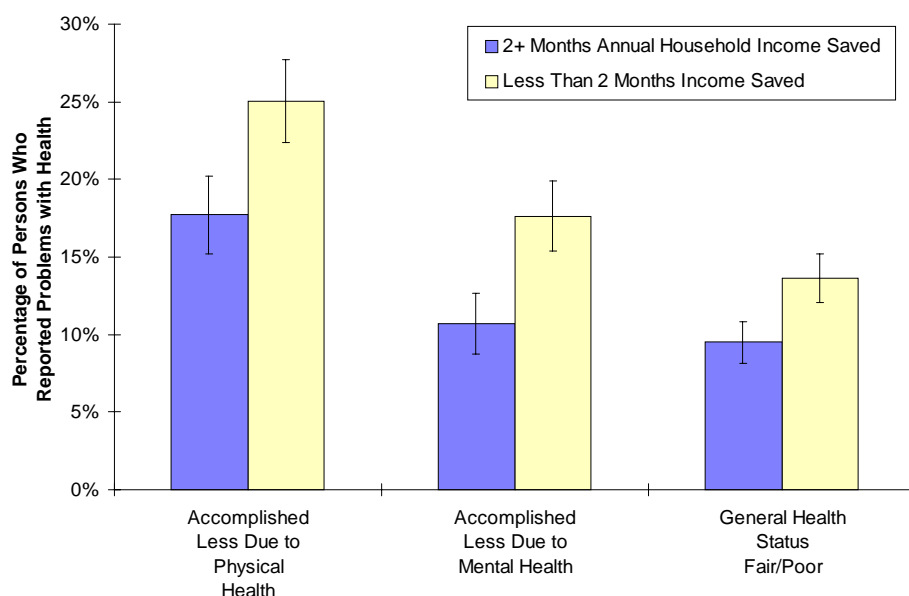
- **Uninsured men and women were significantly more likely to report problems with mental health than were people with health insurance coverage. That relationship was more pronounced for men.**

Problems with Mental Health by Health Insurance Coverage and Age. Utahns Age 25-64, 1996.



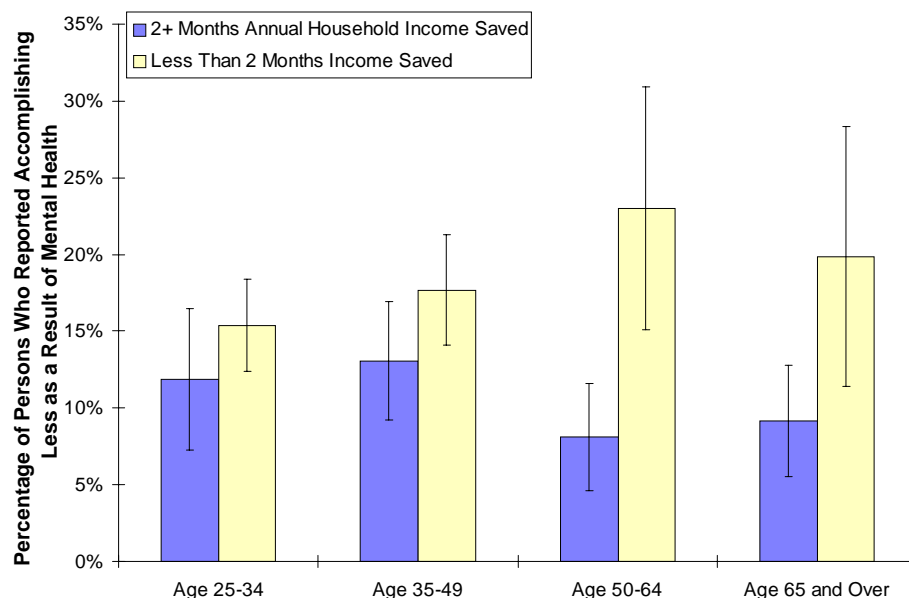
- **Among persons age 35-49 and 50-64, the uninsured were significantly more likely to report mental health problems than insured persons.**

Selected Health Status Indicators by Household Savings. Utahns Age 25 and Over, 1996.



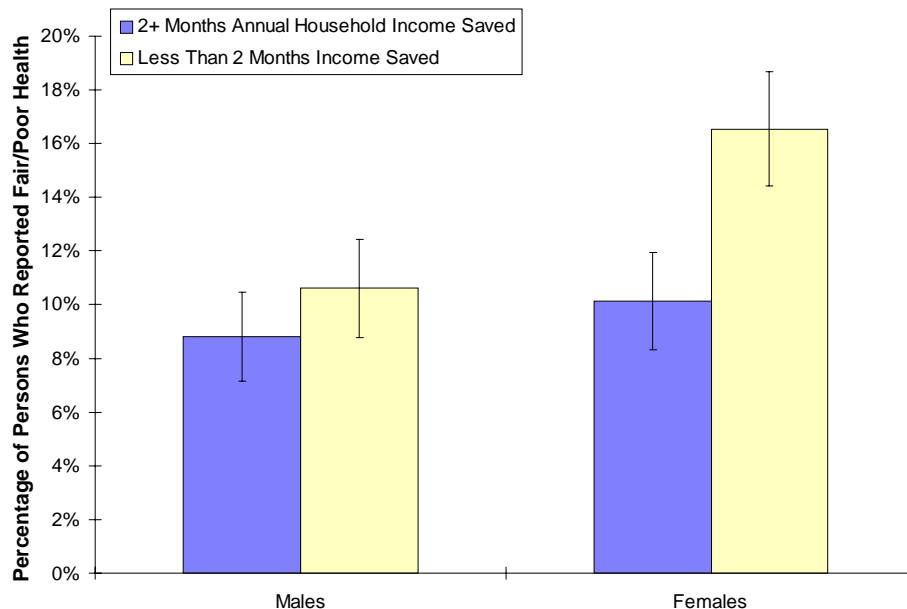
- **People with at least two months income saved reported better health than people without that much savings.**

Accomplished Less Due to Problems with Mental Health by Household Savings and Age. Utahns Age 25 and Over, 1996.



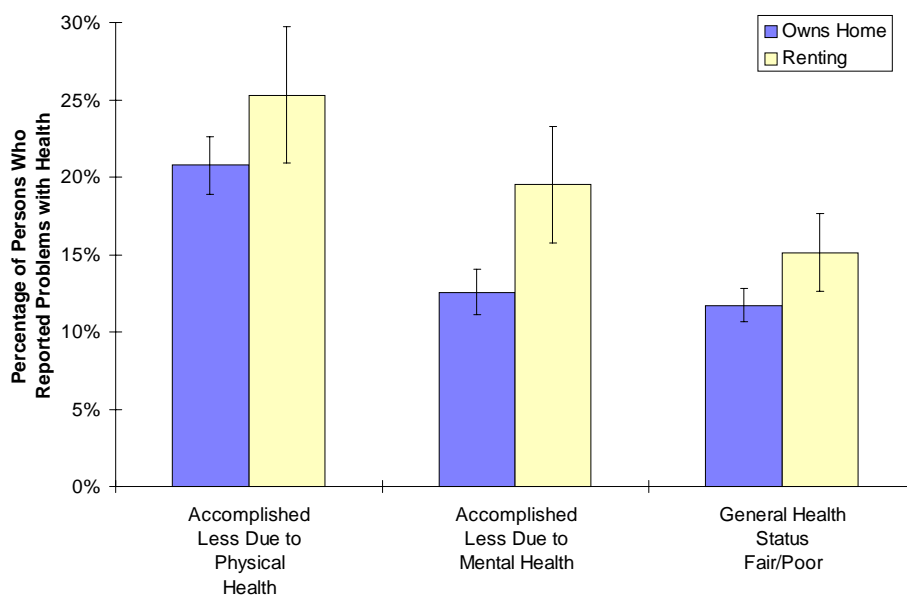
- **Research shows that as people age they report better mental health. That trend was evident only for people with two months income saved.**
- **For people without two months income saved, problems with mental health increased with age.**

Fair/Poor Health Status by Household Savings and Sex. Utahns Age 25 and Over, 1996.



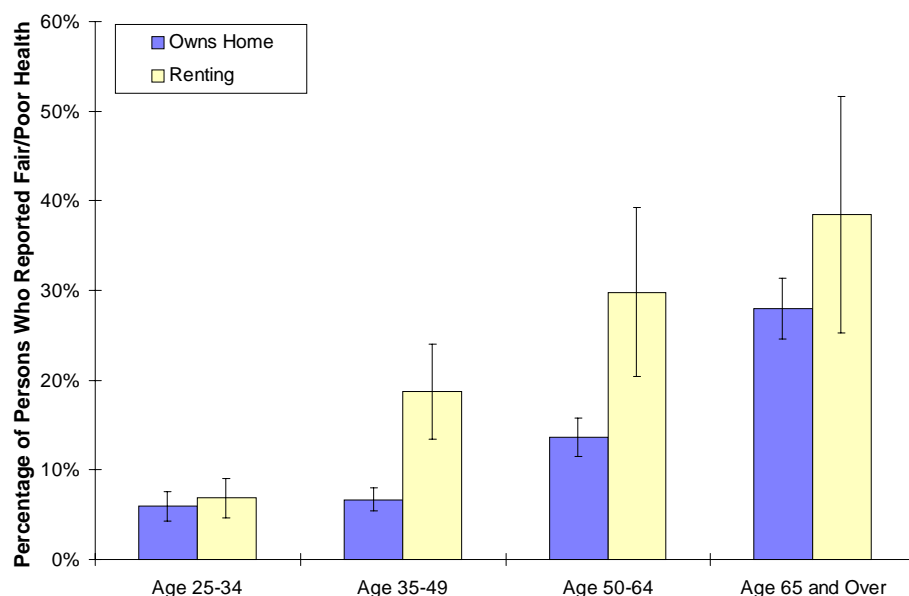
- For both men and women, those who did not have two months income saved were more likely to report fair/poor health. That relationship was more pronounced for women.

Selected Health Status Indicators by Home Ownership. Utahns Age 25 and Over, 1996.



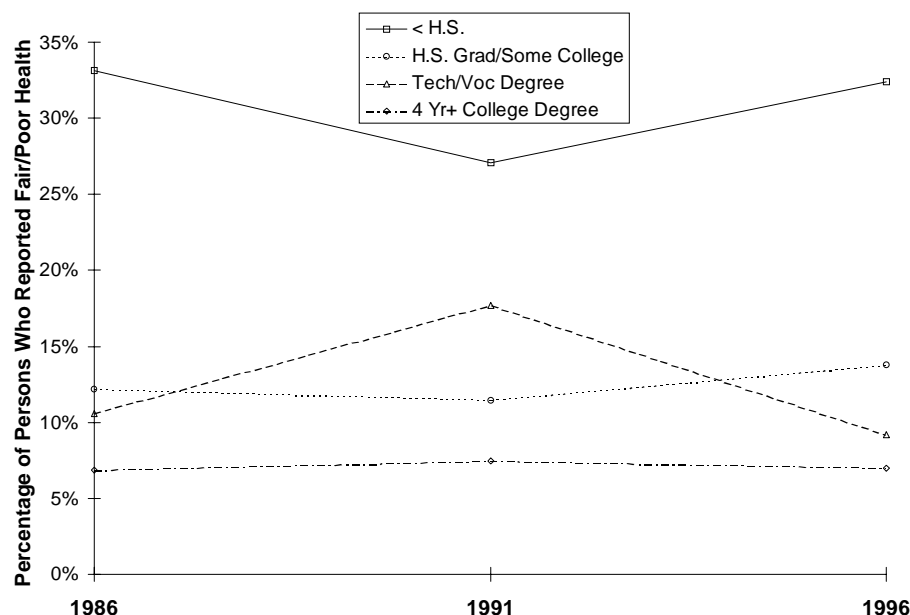
- People who owned their home reported better health than those who rented.

Fair/Poor Health Status by Home Ownership and Age. Utahns Age 25 and Over, 1996.



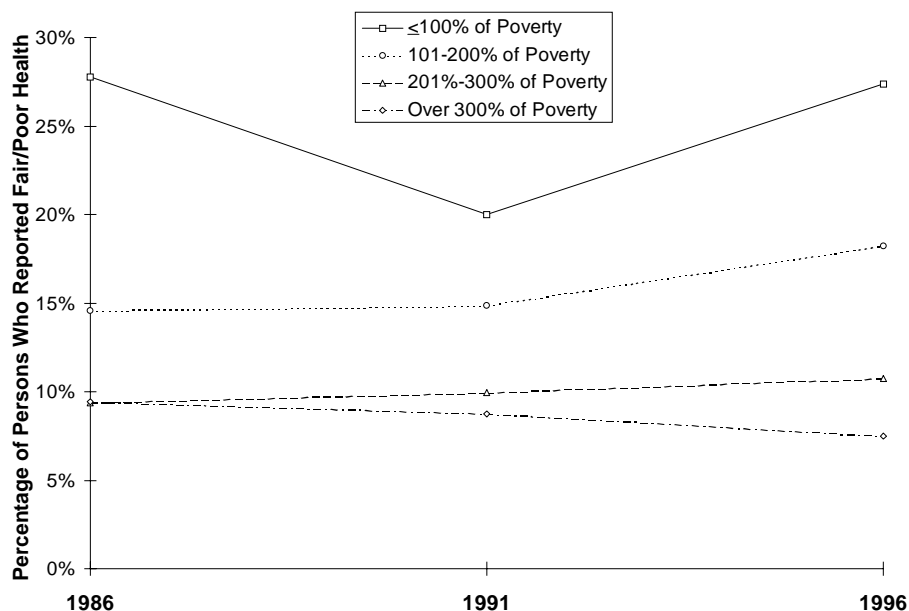
- People who rent were more likely to report fair/poor health than those who own their home at ages over 35 years.
- Among young adults, renting a residence may not indicate lower socioeconomic status.

Fair/Poor Health Status by Education Level and Year. Utahns Age 25 and Over, 1986, 1991, and 1996.



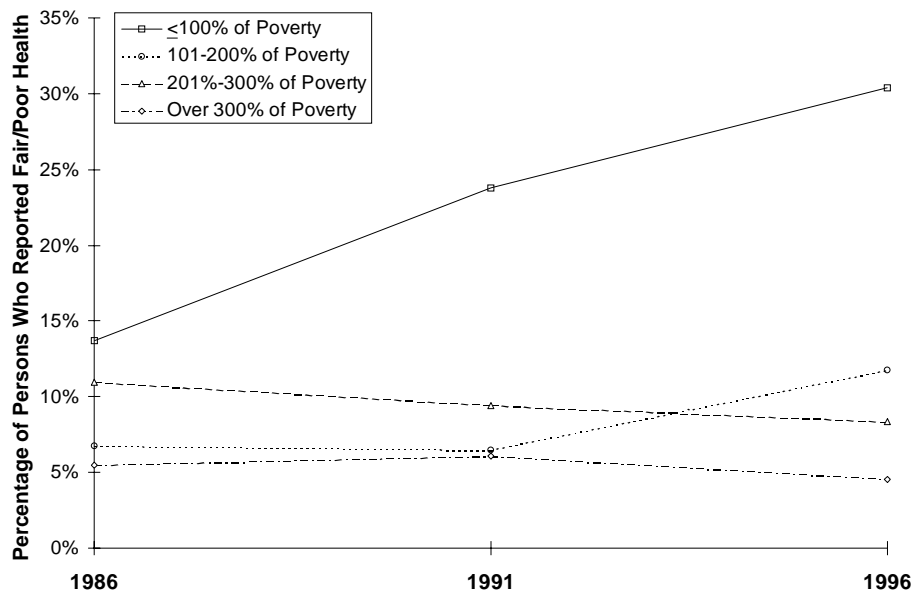
- In general, persons with lower education levels were more likely to report fair/poor health at all three points in time.

Fair/Poor Health Status by Household Poverty Status and Year.
Utahns Age 25 and Over, 1986, 1991, and 1996.



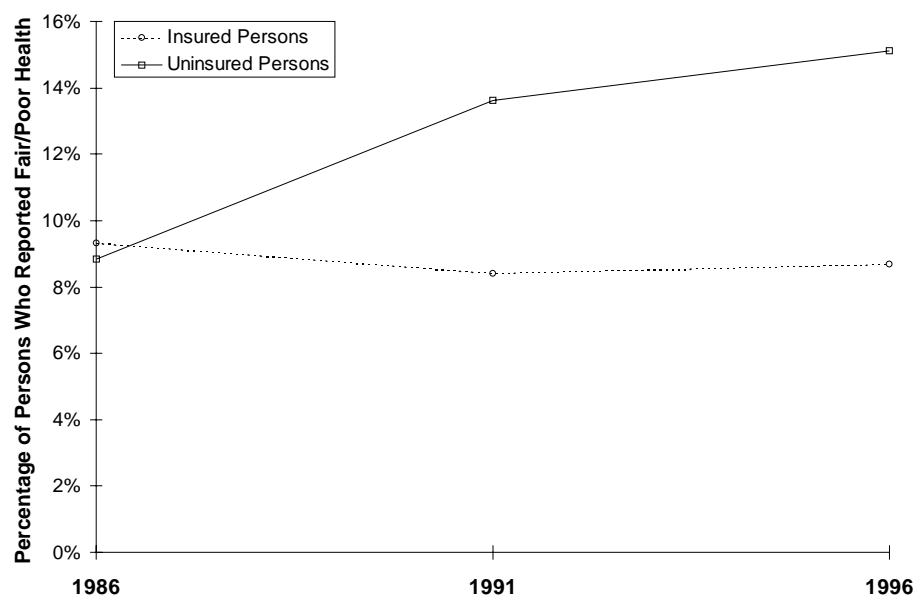
- As people's income increased above the poverty line, they were less likely to report fair/poor health.

Fair/Poor Health Status by Household Poverty Status and Year.
Utahns Age 35-49, 1986, 1991, and 1996.



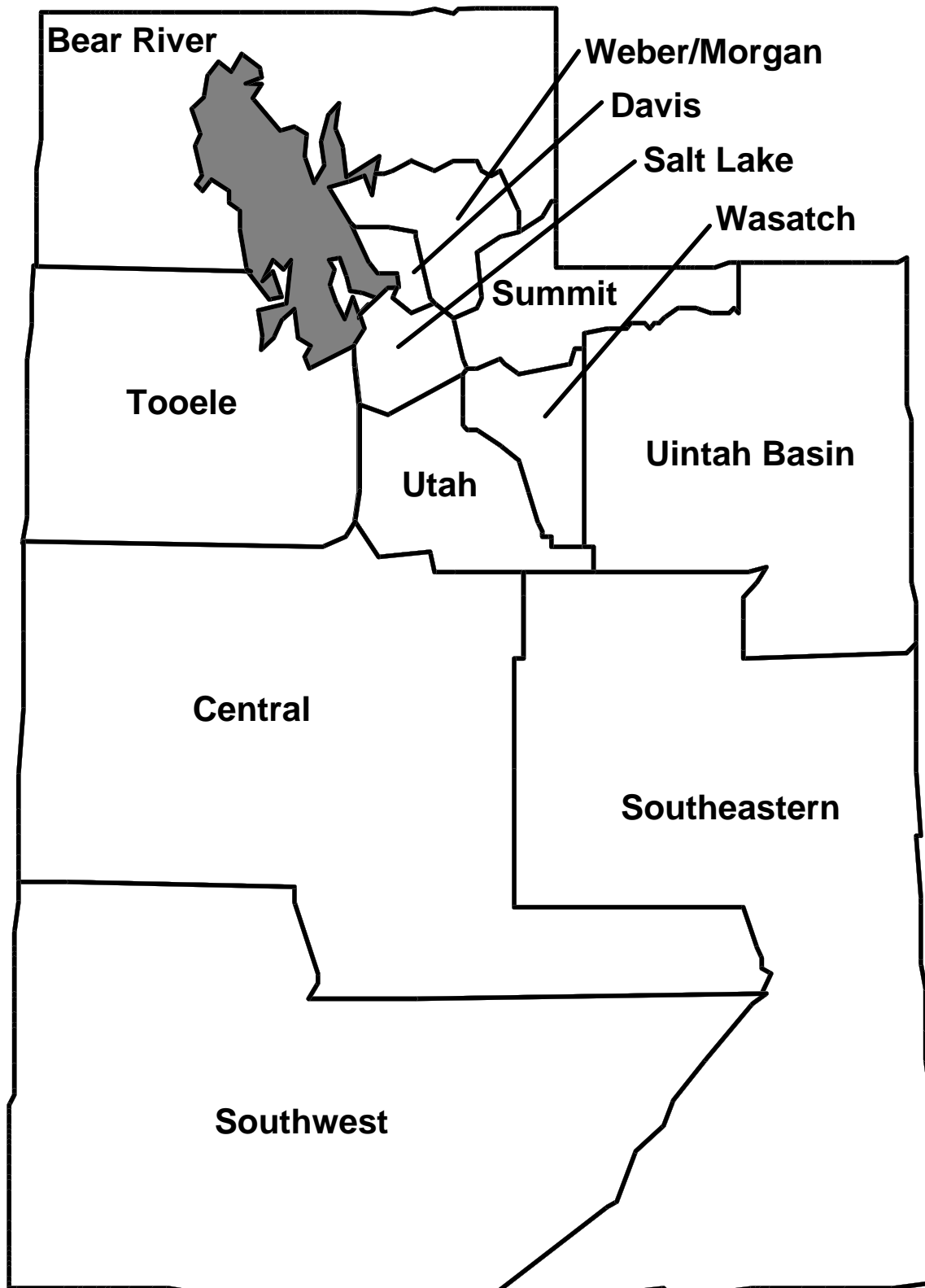
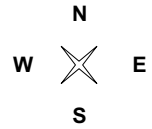
- Health status of persons in their prime income-earning years (age 35-49) who were at or below the poverty line appears to have worsened over time.

Fair/Poor Health Status by Health Insurance Coverage and Year.
Utahns Age 25-64, 1986, 1991, and 1996.

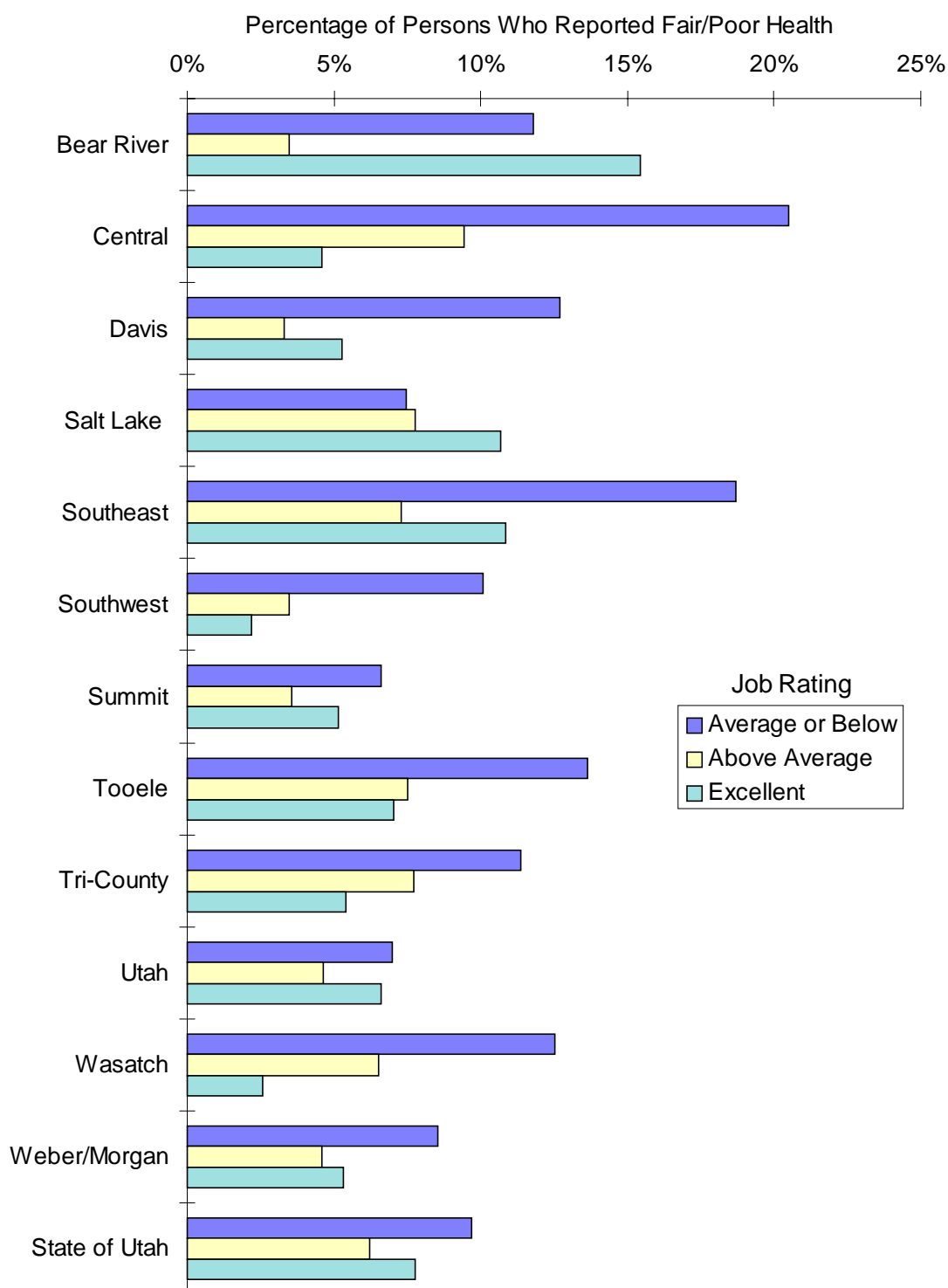


- The health status of uninsured persons appears to have worsened over time.

State of Utah
Local Health Departments



Fair/Poor Health Status by Job Rating and Local Health District.
Utahns Age 25 and Over, Full Time Employed, 1996.



- In general, full time employed persons who rated their jobs as only “average” or below were more likely to report fair/poor health status.
- In some health districts, the relationship between job rating and health status differed from that observed for the entire state.

REFERENCE TABLES

Accomplished Less Due to Problems with Physical Health by Education Level, Sex,
and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Education					
< H.S.	5.80%	63,744	35.50% ± 8.17%	22,600	9.57%
H.S. Grad/Some College	55.90%	614,361	21.76% ± 2.18%	133,700	57.42%
Tech/Voc Degree	5.60%	61,546	28.36% ± 9.55%	17,500	7.16%
4 Yr+ College Degree	32.80%	360,483	17.65% ± 2.92%	63,600	25.84%
Total	100.10%	1,099,035	21.64% ± 1.72%	237,800	99.99%
Males					
< H.S.	5.96%	31,947	31.39% ± 11.92%	10,000	10.07%
H.S. Grad/Some College	50.25%	269,355	17.86% ± 3.39%	48,100	48.20%
Tech/Voc Degree	5.45%	29,214	35.95% ± 16.11%	10,500	10.34%
4 Yr+ College Degree	38.34%	205,514	15.29% ± 3.84%	31,400	31.39%
Total Males	100.00%	536,030	18.64% ± 2.57%	99,900	100.00%
Females					
< H.S.	5.60%	31,528	39.42% ± 10.86%	12,400	9.23%
H.S. Grad/Some College	61.23%	344,728	24.59% ± 2.84%	84,800	63.85%
Tech/Voc Degree	5.65%	31,810	21.68% ± 9.72%	6,900	4.95%
4 Yr+ College Degree	27.51%	154,883	20.86% ± 4.49%	32,300	21.97%
Total Females	99.99%	563,005	24.37% ± 2.31%	137,200	100.00%
Age 25-34					
< H.S.	4.80%	14,253	12.88% ± 9.66%	1,800	3.66%
H.S. Grad/Some College	58.80%	174,597	17.16% ± 3.37%	30,000	63.19%
Tech/Voc Degree	5.94%	17,638	22.57% ± 12.35%	4,000	7.58%
4 Yr+ College Degree	30.46%	90,446	14.02% ± 5.10%	12,700	25.58%
Total Age 25-34	100.00%	296,933	16.32% ± 2.67%	48,500	100.01%
Age 35-49					
< H.S.	4.46%	18,013	35.95% ± 16.41%	6,500	9.58%
H.S. Grad/Some College	50.92%	205,661	17.12% ± 3.68%	35,200	46.25%
Tech/Voc Degree	5.64%	22,779	24.26% ± 18.13%	5,500	7.30%
4 Yr+ College Degree	38.98%	157,436	19.40% ± 4.70%	30,500	36.87%
Total Age 35-49	100.00%	403,890	19.34% ± 2.96%	78,100	100.00%
Age 50-64					
< H.S.	6.27%	13,276	42.72% ± 19.25%	5,700	10.30%
H.S. Grad/Some College	55.35%	117,201	25.01% ± 5.41%	29,300	60.46%
Tech/Voc Degree	5.22%	11,053	43.81% ± 24.11%	4,800	8.59%
4 Yr+ College Degree	33.16%	70,215	15.57% ± 6.27%	10,900	20.65%
Total Age 50-64	100.00%	211,745	23.91% ± 4.17%	50,600	100.00%
Age 65 and Over					
< H.S.	10.06%	18,759	48.42% ± 13.74%	9,100	14.00%
H.S. Grad/Some College	63.21%	117,866	34.96% ± 5.63%	41,200	64.90%
Tech/Voc Degree	5.11%	9,528	31.18% ± 20.23%	3,000	5.25%
4 Yr+ College Degree	21.63%	40,333	23.30% ± 9.45%	9,400	15.86%
Total Age 65 and Over	100.01%	186,467	33.43% ± 4.51%	62,300	100.01%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Mental Health by Education Level, Sex,
and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as Result of Mental Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Education					
< H.S.	5.80%	63,744	22.67% ± 7.55%	14,500	9.41%
H.S. Grad/Some College	55.90%	614,361	14.44% ± 1.90%	88,700	59.47%
Tech/Voc Degree	5.60%	61,546	15.65% ± 6.10%	9,600	6.32%
4 Yr+ College Degree	32.80%	360,483	10.85% ± 2.14%	39,100	24.80%
Total	100.10%	1,099,035	13.83% ± 1.39%	152,000	100.00%
Males					
< H.S.	5.96%	31,947	23.11%	7,400	11.75%
H.S. Grad/Some College	50.25%	269,355	12.32%	33,200	53.45%
Tech/Voc Degree	5.45%	29,214	19.34%	5,600	9.23%
4 Yr+ College Degree	38.34%	205,514	7.75%	15,900	25.56%
Total Males	100.00%	536,030	11.58%	62,100	99.99%
Females					
< H.S.	5.60%	31,528	22.24%	7,000	7.85%
H.S. Grad/Some College	61.23%	344,728	15.98%	55,100	63.48%
Tech/Voc Degree	5.65%	31,810	12.35%	3,900	4.38%
4 Yr+ College Degree	27.51%	154,883	15.09%	23,400	24.30%
Total Females	99.99%	563,005	15.88%	89,400	100.01%
Age 25-34					
< H.S.	4.80%	14,253	17.36%	2,500	5.94%
H.S. Grad/Some College	58.80%	174,597	13.62%	23,800	59.96%
Tech/Voc Degree	5.94%	17,638	19.86%	3,500	8.01%
4 Yr+ College Degree	30.46%	90,446	11.93%	10,800	26.09%
Total Age 25-34	100.00%	296,933	13.64%	40,500	100.00%
Age 35-49					
< H.S.	4.46%	18,013	35.82%	6,500	11.81%
H.S. Grad/Some College	50.92%	205,661	15.69%	32,300	53.03%
Tech/Voc Degree	5.64%	22,779	15.08%	3,400	5.68%
4 Yr+ College Degree	38.98%	157,436	12.43%	19,600	29.49%
Total Age 35-49	100.00%	403,890	15.48%	62,500	100.01%
Age 50-64					
< H.S.	6.27%	13,276	11.25%	1,500	4.97%
H.S. Grad/Some College	55.35%	117,201	15.29%	17,900	68.24%
Tech/Voc Degree	5.22%	11,053	16.11%	1,800	6.54%
4 Yr+ College Degree	33.16%	70,215	8.27%	5,800	20.26%
Total Age 50-64	100.00%	211,745	12.89%	27,300	100.01%
Age 65 and Over					
< H.S.	10.06%	18,759	19.65%	3,700	15.70%
H.S. Grad/Some College	63.21%	117,866	12.25%	14,400	65.78%
Tech/Voc Degree	5.11%	9,528	9.20%	900	4.48%
4 Yr+ College Degree	21.63%	40,333	7.14%	2,900	14.04%
Total Age 65 and Over	100.01%	186,467	11.51%	21,500	100.00%
Males, Age 25-49					
< H.S.	4.84%	17,002	34.10%	5,800	13.83%
H.S. Grad/Some College	50.51%	177,432	12.92%	22,900	51.15%
Tech/Voc Degree	5.69%	19,988	22.87%	4,600	9.92%
4 Yr+ College Degree	38.96%	136,859	8.44%	11,600	25.10%
Total Males Age 25-49	100.00%	351,280	12.87%	45,200	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Education Level, Sex, and Age.
Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Education					
< H.S.	5.80%	63,744	32.38% ± 5.31%	20,600	15.12%
H.S. Grad/Some College	55.90%	614,361	13.76% ± 1.33%	84,500	62.23%
Tech/Voc Degree	5.60%	61,546	9.20% ± 3.25%	5,700	4.12%
4 Yr+ College Degree	32.80%	360,483	6.99% ± 1.31%	25,200	18.53%
Total	100.10%	1,099,035	12.47% ± 1.00%	137,000	100.00%
Males					
< H.S.	5.96%	31,947	32.45%	10,400	18.14%
H.S. Grad/Some College	50.25%	269,355	11.77%	31,700	55.60%
Tech/Voc Degree	5.45%	29,214	9.57%	2,800	4.91%
4 Yr+ College Degree	38.34%	205,514	5.92%	12,200	21.35%
Total Males	100.00%	536,030	10.76%	57,700	100.00%
Females					
< H.S.	5.60%	31,528	32.30%	10,200	12.95%
H.S. Grad/Some College	61.23%	344,728	15.30%	52,700	67.00%
Tech/Voc Degree	5.65%	31,810	8.87%	2,800	3.55%
4 Yr+ College Degree	27.51%	154,883	8.40%	13,000	16.49%
Total Females	99.99%	563,005	14.08%	79,300	99.99%
Age 25-34					
< H.S.	4.80%	14,253	17.04%	2,400	13.38%
H.S. Grad/Some College	58.80%	174,597	7.21%	12,600	69.44%
Tech/Voc Degree	5.94%	17,638	4.11%	700	4.00%
4 Yr+ College Degree	30.46%	90,446	2.64%	2,400	13.18%
Total Age 25-34	100.00%	296,933	6.27%	18,600	100.00%
Age 35-49					
< H.S.	4.46%	18,013	34.62%	6,200	18.11%
H.S. Grad/Some College	50.92%	205,661	8.82%	18,100	52.88%
Tech/Voc Degree	5.64%	22,779	6.94%	1,600	4.61%
4 Yr+ College Degree	38.98%	157,436	5.31%	8,400	24.39%
Total Age 35-49	100.00%	403,890	8.52%	34,400	99.99%
Age 50-64					
< H.S.	6.27%	13,276	30.04%	4,000	12.18%
H.S. Grad/Some College	55.35%	117,201	17.61%	20,600	62.84%
Tech/Voc Degree	5.22%	11,053	11.18%	1,200	3.77%
4 Yr+ College Degree	33.16%	70,215	9.94%	7,000	21.21%
Total Age 50-64	100.00%	211,745	15.48%	32,800	100.00%
Age 65 and Over					
< H.S.	10.06%	18,759	45.48%	8,500	15.84%
H.S. Grad/Some College	63.21%	117,866	30.01%	35,400	65.56%
Tech/Voc Degree	5.11%	9,528	24.04%	2,300	4.07%
4 Yr+ College Degree	21.63%	40,333	19.50%	7,900	14.53%
Total Age 65 and Over	100.01%	186,467	29.21%	54,500	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Education Level, Sex, and Age.
Utahns Age 25 and Over, 1991.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Education					
< H.S.	7.55%	72,262	27.07% ± 5.57%	19,600	17.05%
H.S. Grad/Some College	62.22%	595,511	11.46% ± 1.33%	68,200	60.67%
Tech/Voc Degree	4.23%	40,486	17.69% ± 6.74%	7,200	6.15%
4 Yr+ College Degree	26.00%	248,848	7.45% ± 2.00%	18,500	16.13%
Total	100.00%	957,106	12.08% ± 1.14%	113,500	100.00%
Males					
< H.S.	7.68%	35,835	27.78%	10,000	20.54%
H.S. Grad/Some College	56.81%	265,075	9.92%	26,300	55.68%
Tech/Voc Degree	4.05%	18,897	16.35%	3,100	6.39%
4 Yr+ College Degree	31.47%	146,839	5.73%	8,400	17.38%
Total Males	100.01%	466,599	10.46%	48,800	99.99%
Females					
< H.S.	7.44%	36,487	26.40%	9,600	14.60%
H.S. Grad/Some College	67.24%	329,756	12.68%	41,800	64.16%
Tech/Voc Degree	4.41%	21,627	18.85%	4,100	5.98%
4 Yr+ College Degree	20.92%	102,595	9.85%	10,100	15.26%
Total Females	100.01%	490,417	13.58%	66,600	100.00%
Age 25-34					
< H.S.	5.75%	16,152	16.56%	2,700	18.14%
H.S. Grad/Some College	66.50%	186,807	4.36%	8,100	55.18%
Tech/Voc Degree	4.40%	12,360	18.21%	2,300	15.28%
4 Yr+ College Degree	23.34%	65,565	2.56%	1,700	11.40%
Total	99.99%	280,913	5.45%	15,300	100.00%
Age 35-49					
< H.S.	3.99%	13,304	22.73%	3,000	11.28%
H.S. Grad/Some College	57.85%	192,896	8.81%	17,000	63.33%
Tech/Voc Degree	5.08%	16,939	18.43%	3,100	11.64%
4 Yr+ College Degree	33.07%	110,269	3.35%	3,700	13.75%
Total	99.99%	333,441	7.91%	26,400	100.00%
Age 50-64					
< H.S.	9.99%	17,687	25.22%	4,500	15.54%
H.S. Grad/Some College	63.52%	112,460	17.05%	19,200	66.81%
Tech/Voc Degree	2.81%	4,975	15.88%	800	2.76%
4 Yr+ College Degree	23.67%	41,907	10.18%	4,300	14.89%
Total	99.99%	177,046	16.71%	29,600	100.00%
Age 65 and Over					
< H.S.	15.58%	25,803	37.93%	9,800	21.51%
H.S. Grad/Some College	61.36%	101,622	25.14%	25,500	55.85%
Tech/Voc Degree	3.75%	6,211	15.97%	1,000	2.18%
4 Yr+ College Degree	19.31%	31,980	29.12%	9,300	20.46%
Total	100.00%	165,616	28.00%	46,400	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Education Level, Sex, and Age.
Utahns Age 25 and Over, 1986.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Education					
< H.S.	11.13%	93,597	33.15% \pm 5.45%	31,000	27.69%
H.S. Grad/Some College	61.84%	520,037	12.21% \pm 1.76%	63,500	57.49%
Tech/Voc Degree	3.33%	28,003	10.55% \pm 5.90%	3,000	2.75%
4 Yr+ College Degree	23.71%	199,387	6.83% \pm 2.02%	13,600	12.07%
Total	100.01%	840,940	13.47% \pm 1.45%	113,300	100.00%
Males					
< H.S.	11.21%	45,861	27.09%	12,400	27.62%
H.S. Grad/Some College	54.72%	223,863	10.38%	23,200	54.33%
Tech/Voc Degree	4.49%	18,369	7.58%	1,400	3.21%
4 Yr+ College Degree	29.58%	121,014	5.37%	6,500	14.84%
Total Males	100.00%	409,107	10.79%	44,100	100.00%
Females					
< H.S.	11.05%	47,718	38.97%	18,600	27.74%
H.S. Grad/Some College	68.63%	296,367	13.60%	40,300	59.58%
Tech/Voc Degree	2.21%	9,544	16.36%	1,600	2.45%
4 Yr+ College Degree	18.11%	78,205	9.10%	7,100	10.22%
Total Females	100.00%	431,833	16.02%	69,200	99.99%
Age 25-34					
< H.S.	5.80%	15,582	5.12%	800	8.33%
H.S. Grad/Some College	67.96%	182,583	4.12%	7,500	78.52%
Tech/Voc Degree	3.66%	9,833	5.24%	500	5.38%
4 Yr+ College Degree	22.58%	60,664	1.23%	700	7.77%
Total	100.00%	268,662	3.60%	9,700	100.00%
Age 35-49					
< H.S.	6.43%	17,198	19.91%	3,400	15.93%
H.S. Grad/Some College	59.80%	159,945	7.31%	18,500	54.34%
Tech/Voc Degree	3.93%	10,511	11.54%	800	5.64%
4 Yr+ College Degree	29.84%	79,812	6.49%	5,200	24.09%
Total	100.00%	267,467	8.22%	22,000	100.00%
Age 50-64					
< H.S.	14.57%	24,424	39.74%	9,700	31.37%
H.S. Grad/Some College	60.21%	100,932	17.74%	17,900	57.96%
Tech/Voc Degree	3.45%	5,783	15.59%	900	2.88%
4 Yr+ College Degree	21.76%	36,477	6.63%	2,400	7.79%
Total	99.99%	167,634	18.64%	31,200	100.00%
Age 65 and Over					
< H.S.	26.20%	35,940	47.90%	17,200	34.09%
H.S. Grad/Some College	54.73%	75,077	36.19%	27,200	53.44%
Tech/Voc Degree	1.79%	2,455	18.33%	500	0.89%
4 Yr+ College Degree	17.28%	23,704	24.74%	5,900	11.57%
Total	100.00%	137,177	37.61%	51,600	99.99%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Physical Health by Annual Household
Income, Sex, and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Income					
<\$15K	6.60%	72,536	49.17% ± 6.76%	35,700	14.48%
\$15 to \$35K	30.00%	329,711	26.83% ± 3.59%	88,500	37.04%
\$35 to \$55K	33.20%	364,880	19.56% ± 3.19%	71,400	30.07%
Over \$55K	30.20%	331,909	13.35% ± 2.80%	44,300	18.41%
Total	100.00%	1,099,035	21.64% ± 1.72%	237,800	100.00%
Males					
<\$15K	4.29%	22,996	44.76%	10,300	9.98%
\$15 to \$35K	30.25%	162,149	23.69%	38,400	36.32%
\$35 to \$55K	34.07%	182,625	17.03%	31,100	31.23%
Over \$55K	31.39%	168,260	13.21%	22,200	22.46%
Total Males	100.00%	536,030	18.64%	99,900	99.99%
Females					
<\$15K	8.78%	49,432	51.26%	25,300	17.80%
\$15 to \$35K	29.77%	167,607	29.64%	49,700	37.57%
\$35 to \$55K	32.45%	182,695	22.17%	40,500	29.21%
Over \$55K	28.99%	163,215	13.50%	22,000	15.42%
Total Females	99.99%	563,005	24.37%	137,200	100.00%
Age 25-34					
<\$15K	4.98%	14,787	26.82%	4,000	6.59%
\$15 to \$35K	37.96%	112,716	17.25%	19,400	41.56%
\$35 to \$55K	35.05%	104,075	14.61%	15,200	31.29%
Over \$55K	22.01%	65,355	15.68%	10,200	20.57%
Total	100.00%	296,933	16.32%	48,500	100.01%
Age 35-49					
<\$15K	3.82%	15,429	58.42%	9,000	11.67%
\$15 to \$35K	19.95%	80,576	29.51%	23,800	28.83%
\$35 to \$55K	35.91%	145,037	18.66%	27,100	35.21%
Over \$55K	40.33%	162,889	12.00%	19,500	24.29%
Total	100.01%	403,890	19.34%	78,100	100.00%
Age 50-64					
<\$15K	6.59%	13,954	54.44%	7,600	13.78%
\$15 to \$35K	25.62%	54,249	33.10%	18,000	32.79%
\$35 to \$55K	31.44%	66,573	26.20%	17,400	32.57%
Over \$55K	36.35%	76,969	14.51%	11,200	20.85%
Total	100.00%	211,745	23.91%	50,600	99.99%
Age 65 and Over					
<\$15K	17.80%	33,191	51.14%	17,000	28.04%
\$15 to \$35K	47.04%	87,714	35.56%	31,200	50.76%
\$35 to \$55K	24.52%	45,722	26.37%	12,100	17.49%
Over \$55K	10.65%	19,859	11.90%	2,400	3.71%
Total	100.01%	186,467	33.43%	62,300	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Mental Health by Annual Household
Income, Sex, and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Mental Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Income					
<\$15K	6.60%	72,536	32.86% ± 6.76%	23,800	14.42%
\$15 to \$35K	30.00%	329,711	17.34% ± 3.06%	57,200	36.16%
\$35 to \$55K	33.20%	364,880	14.26% ± 2.69%	52,000	33.05%
Over \$55K	30.20%	331,909	7.85% ± 1.88%	26,100	16.37%
Total	100.00%	1,099,035	13.83% ± 1.39%	152,000	100.00%
Males					
<\$15K	4.29%	22,996	33.82%	7,800	11.67%
\$15 to \$35K	30.25%	162,149	15.96%	25,900	38.28%
\$35 to \$55K	34.07%	182,625	11.14%	20,300	31.93%
Over \$55K	31.39%	168,260	6.80%	11,400	18.12%
Total Males	100.00%	536,030	11.58%	62,100	100.00%
Females					
<\$15K	8.78%	49,432	32.40%	16,000	16.33%
\$15 to \$35K	29.77%	167,607	18.58%	31,100	34.69%
\$35 to \$55K	32.45%	182,695	17.48%	31,900	33.83%
Over \$55K	28.99%	163,215	8.99%	14,700	15.15%
Total Females	99.99%	563,005	15.88%	89,400	100.00%
Age 25-34					
<\$15K	4.98%	14,787	22.48%	3,300	6.30%
\$15 to \$35K	37.96%	112,716	15.51%	17,500	43.23%
\$35 to \$55K	35.05%	104,075	14.12%	14,700	35.03%
Over \$55K	22.01%	65,355	10.27%	6,700	15.43%
Total	100.00%	296,933	13.64%	40,500	99.99%
Age 35-49					
<\$15K	3.82%	15,429	52.70%	8,100	12.80%
\$15 to \$35K	19.95%	80,576	21.57%	17,400	26.56%
\$35 to \$55K	35.91%	145,037	16.73%	24,300	39.42%
Over \$55K	40.33%	162,889	8.37%	13,600	21.21%
Total	100.01%	403,890	15.48%	62,500	99.99%
Age 50-64					
<\$15K	6.59%	13,954	34.67%	4,800	15.50%
\$15 to \$35K	25.62%	54,249	24.21%	13,100	43.15%
\$35 to \$55K	31.44%	66,573	11.76%	7,800	26.38%
Over \$55K	36.35%	76,969	5.69%	4,400	14.96%
Total	100.00%	211,745	12.89%	27,300	99.99%
Age 65 and Over					
<\$15K	17.80%	33,191	24.97%	8,300	39.36%
\$15 to \$35K	47.04%	87,714	10.35%	9,100	42.41%
\$35 to \$55K	24.52%	45,722	8.23%	3,800	15.50%
Over \$55K	10.65%	19,859	3.05%	600	2.73%
Total	100.01%	186,467	11.51%	21,500	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Annual Household Income, Sex, and Age.
Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Income					
<\$15K	6.60%	72,536	33.70% ± 5.14%	24,400	18.61%
\$15 to \$35K	30.00%	329,711	16.20% ± 2.27%	53,400	40.94%
\$35 to \$55K	33.20%	364,880	8.97% ± 1.49%	32,700	25.19%
Over \$55K	30.20%	331,909	5.99% ± 1.39%	19,900	15.26%
Total	100.00%	1,099,035	12.47% ± 1.00%	137,000	100.00%
Males					
<\$15K	4.29%	22,996	32.02%	7,400	13.76%
\$15 to \$35K	30.25%	162,149	14.09%	22,800	42.73%
\$35 to \$55K	34.07%	182,625	6.83%	12,500	23.42%
Over \$55K	31.39%	168,260	6.36%	10,700	20.09%
Total Males	100.00%	536,030	10.76%	57,700	100.00%
Females					
<\$15K	8.78%	49,432	34.50%	17,100	21.99%
\$15 to \$35K	29.77%	167,607	18.25%	30,600	39.69%
\$35 to \$55K	32.45%	182,695	11.12%	20,300	26.42%
Over \$55K	28.99%	163,215	5.61%	9,200	11.90%
Total Females	99.99%	563,005	14.08%	79,300	100.00%
Age 25-34					
<\$15K	4.98%	14,787	10.06% ± 6.35%	1,500	8.27%
\$15 to \$35K	37.96%	112,716	7.93% ± 2.37%	8,900	49.60%
\$35 to \$55K	35.05%	104,075	4.57% ± 1.92%	4,800	26.41%
Over \$55K	22.01%	65,355	4.33% ± 2.82%	2,800	15.72%
Total Age 25-34	100.00%	296,933	6.27% ± 1.29%	18,600	100.00%
Age 35-49					
<\$15K	3.82%	15,429	34.63% ± 10.92%	5,300	16.35%
\$15 to \$35K	19.95%	80,576	12.77% ± 4.27%	10,300	31.71%
\$35 to \$55K	35.91%	145,037	6.50% ± 2.14%	9,400	29.03%
Over \$55K	40.33%	162,889	4.56% ± 1.55%	7,400	22.91%
Total Age 35-49	100.01%	403,890	8.52% ± 1.39%	34,400	100.00%
Age 50-64					
<\$15K	6.59%	13,954	48.10% ± 12.45%	6,700	19.52%
\$15 to \$35K	25.62%	54,249	24.21% ± 5.88%	13,100	39.17%
\$35 to \$55K	31.44%	66,573	11.75% ± 3.63%	7,800	23.50%
Over \$55K	36.35%	76,969	7.70% ± 2.96%	5,900	17.81%
Total Age 50-64	100.00%	211,745	15.48% ± 2.21%	32,800	100.00%
Age 65 and Over					
<\$15K	17.80%	33,191	40.12% ± 8.72%	13,300	24.27%
\$15 to \$35K	47.04%	87,714	28.62% ± 5.64%	25,100	45.45%
\$35 to \$55K	24.52%	45,722	27.57% ± 7.66%	12,600	23.02%
Over \$55K	10.65%	19,859	20.01% ± 9.11%	4,000	7.26%
Total Age 65 and Over	100.01%	186,467	29.21% ± 3.27%	54,500	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Household Poverty Status, Sex, and Age.
Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Poverty Status					
≤ 100% of Poverty	5.37%	59,018	27.37% ± 5.51%	16,200	15.12%
101%-200% of Poverty	23.33%	256,405	18.24% ± 2.65%	46,800	62.23%
201%-300% of Poverty	24.33%	267,395	10.74% ± 2.04%	28,700	4.12%
Over 300% of Poverty	46.97%	516,217	7.51% ± 1.14%	38,800	18.53%
Total	100.00%	1,099,035	12.47% ± 1.00%	130,500	100.00%
Males					
100% of Poverty	4.51%	24,175	26.77%	6,500	12.10%
101%-200% of Poverty	22.07%	118,302	13.84%	16,400	30.61%
201%-300% of Poverty	24.46%	131,113	9.32%	12,200	22.91%
Over 300% of Poverty	48.97%	262,494	6.98%	18,300	34.38%
Total Males	100.01%	536,030	10.76%	57,700	100.00%
Females					
100% of Poverty	6.20%	34,906	27.79%	9,700	12.62%
101%-200% of Poverty	24.53%	138,105	22.04%	30,400	39.33%
201%-300% of Poverty	24.20%	136,247	12.11%	16,500	21.46%
Over 300% of Poverty	45.07%	253,746	8.06%	20,500	26.58%
Total Females	100.00%	563,005	14.08%	79,300	99.99%
Age 25-34					
100% of Poverty	6.40%	19,004	10.05%	1,900	10.61%
101%-200% of Poverty	29.68%	88,130	9.98%	8,800	48.81%
201%-300% of Poverty	26.90%	79,875	4.22%	3,400	18.72%
Over 300% of Poverty	37.01%	109,895	3.58%	3,900	21.86%
Total	99.99%	296,933	6.27%	18,600	100.00%
Age 35-49					
100% of Poverty	4.41%	17,812	30.42% ± 11.49%	5,400	16.60%
101%-200% of Poverty	19.24%	77,708	11.78% ± 4.00%	9,200	28.20%
201%-300% of Poverty	25.57%	103,275	8.33% ± 2.92%	8,600	26.51%
Over 300% of Poverty	50.78%	205,095	4.54% ± 1.33%	9,300	28.68%
Total	100.00%	403,890	8.52% ± 1.39%	34,400	99.99%
Age 50-64					
100% of Poverty	4.10%	8,682	42.28%	3,700	11.03%
101%-200% of Poverty	15.72%	33,286	34.29%	11,400	33.43%
201%-300% of Poverty	17.65%	37,373	16.58%	6,200	18.62%
Over 300% of Poverty	62.53%	132,404	9.28%	12,300	36.92%
Total	100.00%	211,745	15.48%	32,800	100.00%
Age 65 and Over					
100% of Poverty	7.66%	14,283	42.51%	6,100	11.09%
101%-200% of Poverty	31.89%	59,464	34.81%	20,700	37.42%
201%-300% of Poverty	24.96%	46,542	26.99%	12,600	22.85%
Over 300% of Poverty	35.49%	66,177	23.69%	15,700	28.64%
Total	100.00%	186,467	29.21%	54,500	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Household Poverty Status, Sex, and Age.
Utahns Age 25 and Over, 1991.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Poverty Status					
100% of Poverty	5.90%	56,469	20.00% ± 6.00%	11,300	10.43%
101%-200% of Poverty	23.68%	226,643	14.88% ± 2.76%	33,700	31.50%
201%-300% of Poverty	30.18%	288,855	9.96% ± 2.10%	28,800	27.17%
Over 300% of Poverty	40.24%	385,139	8.77% ± 1.71%	33,800	30.89%
Total	100.00%	957,106	12.08% ± 1.14%	107,600	99.99%
Males					
100% of Poverty	5.34%	24,916	19.09%	4,800	10.67%
101%-200% of Poverty	21.83%	101,859	13.40%	13,600	30.63%
201%-300% of Poverty	31.07%	144,972	7.58%	11,000	24.68%
Over 300% of Poverty	41.77%	194,898	7.78%	15,200	34.02%
Total Males	100.01%	466,599	10.44%	48,700	100.00%
Females					
100% of Poverty	6.43%	31,534	20.77%	6,500	10.26%
101%-200% of Poverty	25.44%	124,762	16.43%	20,500	32.11%
201%-300% of Poverty	29.33%	143,839	12.83%	18,500	28.90%
Over 300% of Poverty	38.80%	190,282	9.65%	18,400	28.72%
Total Females	100.00%	490,417	13.71%	67,200	99.99%
Age 25-34					
100% of Poverty	7.99%	22,445	8.20%	1,800	12.95%
101%-200% of Poverty	25.55%	71,773	6.41%	4,600	32.42%
201%-300% of Poverty	38.13%	107,112	5.63%	6,000	42.45%
Over 300% of Poverty	28.34%	79,611	2.17%	1,700	12.18%
Total	100.01%	280,913	5.45%	15,300	100.00%
Age 35-49					
100% of Poverty	3.87%	12,904	23.78% ± 13.23%	3,100	11.49%
101%-200% of Poverty	19.50%	65,021	6.51% ± 2.84%	4,200	15.83%
201%-300% of Poverty	35.33%	117,805	9.40% ± 3.41%	11,100	41.42%
Over 300% of Poverty	41.29%	137,678	6.07% ± 2.65%	8,400	31.25%
Total	99.99%	333,441	7.91% ± 1.72%	26,400	99.99%
Age 50-64					
100% of Poverty	4.84%	8,569	26.33%	2,300	7.93%
101%-200% of Poverty	16.15%	28,593	24.40%	7,000	24.47%
201%-300% of Poverty	17.34%	30,700	16.76%	5,100	18.08%
Over 300% of Poverty	61.66%	109,167	12.94%	14,100	49.53%
Total	99.99%	177,046	16.71%	29,600	100.01%
Age 65 and Over					
100% of Poverty	7.30%	12,090	40.85%	4,900	10.61%
101-200% of Poverty	39.69%	65,733	33.27%	21,900	46.95%
201-300% of Poverty	15.31%	25,356	29.58%	7,500	16.11%
301+% of Poverty	37.70%	62,437	19.69%	12,300	26.32%
Total	100.00%	165,616	28.00%	46,400	99.99%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Household Poverty Status, Sex, and Age.
Utahns Age 25 and Over, 1986.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Poverty Status					
100% of Poverty	7.92%	66,602	27.77% ± 9.19%	18,500	17.68%
101%-200% of Poverty	26.56%	223,354	14.59% ± 2.47%	32,600	32.25%
201%-300% of Poverty	28.29%	237,902	9.36% ± 2.12%	22,300	21.15%
Over 300% of Poverty	37.24%	313,166	9.43% ± 2.27%	29,500	28.92%
Total	100.01%	840,940	13.47% ± 1.45%	113,300	100.00%
Males					
100% of Poverty	6.63%	27,124	21.35%	5,800	14.85%
101%-200% of Poverty	25.88%	105,877	10.18%	10,800	29.24%
201%-300% of Poverty	28.82%	117,905	8.02%	9,500	24.42%
Over 300% of Poverty	38.66%	158,161	7.32%	11,600	31.48%
Total Males	99.99%	409,107	10.79%	44,100	99.99%
Females					
100% of Poverty	9.16%	39,556	32.23%	12,700	19.39%
101%-200% of Poverty	27.21%	117,502	18.63%	21,900	34.06%
201%-300% of Poverty	27.77%	119,920	10.72%	12,900	19.18%
Over 300% of Poverty	35.86%	154,855	11.61%	18,000	27.38%
Total Females	100.00%	431,833	16.02%	69,200	100.01%
Age 25-34					
100% of Poverty	9.13%	24,529	9.54%	2,300	25.10%
101%-200% of Poverty	27.59%	74,124	2.86%	2,100	22.75%
201%-300% of Poverty	34.31%	92,178	3.31%	3,100	32.73%
Over 300% of Poverty	28.97%	77,831	2.33%	1,800	19.43%
Total	100.00%	268,662	3.60%	9,700	100.01%
Age 35-49					
100% of Poverty	5.40%	14,443	13.72% ± 9.51%	2,000	9.11%
101%-200% of Poverty	24.93%	66,680	6.77% ± 3.06%	7,300	20.75%
201%-300% of Poverty	34.22%	91,527	10.96% ± 4.06%	6,200	46.12%
Over 300% of Poverty	35.45%	94,817	5.51% ± 2.55%	5,200	24.02%
Total	100.00%	267,467	8.22% ± 1.84%	22,000	100.00%
Age 50-64					
100% of Poverty	4.82%	8,080	43.87%	3,500	11.86%
101%-200% of Poverty	19.20%	32,186	26.05%	8,400	27.99%
201%-300% of Poverty	18.26%	30,610	17.05%	5,200	17.46%
Over 300% of Poverty	57.72%	96,758	13.20%	12,800	42.69%
Total	100.00%	167,634	18.64%	31,200	100.00%
Age 65 and Over					
100% of Poverty	15.71%	21,551	59.49%	12,800	25.52%
101-200% of Poverty	39.85%	54,665	38.71%	21,200	42.20%
201-300% of Poverty	15.92%	21,839	24.84%	5,400	10.72%
301+% of Poverty	28.51%	39,109	28.05%	11,000	21.56%
Total	99.99%	137,177	37.61%	51,600	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Physical Health by Job Rating, Sex, and Age. Utahns Age 25 and Over Who Are Full Time Employed, 1996.

	Population Distribution of Full Time Employed Utahns, Age 25 and Over		Survey Estimates of Full Time Employed Utahns, Age 25 and Over, Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Job Rating (Full Time Employees)					
Average or Below	18.40%	117,083	22.46% ± 5.80%	26,300	23.70%
Above Average	64.60%	411,063	16.01% ± 2.69%	65,800	64.02%
Excellent	17.00%	108,175	12.77% ± 4.74%	13,800	12.28%
Total	100.00%	636,321	16.76% ± 2.20%	106,600	100.00%
Males					
Average or Below	17.09%	69,105	19.27% ± 7.41%	13,300	21.20%
Above Average	65.69%	265,623	13.99% ± 3.43%	37,200	64.07%
Excellent	17.22%	69,630	13.39% ± 6.68%	9,300	14.73%
Total Males	100.00%	404,358	15.08% ± 2.84%	61,000	100.00%
Females					
Average or Below	20.62%	48,363	26.86% ± 9.09%	13,000	26.84%
Above Average	62.88%	147,483	19.55% ± 4.29%	28,800	63.94%
Excellent	16.50%	38,700	11.69% ± 5.78%	4,500	9.22%
Total Females	100.00%	234,546	19.58% ± 3.45%	45,900	100.00%
Age 25-49					
Average or Below	18.81%	93,698	23.19% ± 6.49%	21,700	26.89%
Above Average	65.92%	328,367	14.36% ± 2.72%	47,200	60.48%
Excellent	15.27%	76,064	14.57% ± 6.21%	11,100	12.63%
Total Age 25-49	100.00%	498,129	16.24% ± 2.39%	80,900	100.00%
Age 50 and Over					
Average or Below	16.95%	23,319	18.86% ± 12.43%	4,400	13.82%
Above Average	59.91%	82,423	22.45% ± 7.59%	18,500	74.97%
Excellent	23.14%	31,836	8.94% ± 6.43%	2,800	11.21%
Total Age 50 and Over	100.00%	137,578	18.62% ± 5.29%	25,600	100.00%
Males, Age 25-49					
Average or Below	17.58%	55,848	20.28%	11,300	24.93%
Above Average	67.22%	213,545	11.94%	25,500	58.06%
Excellent	15.19%	48,256	17.29%	8,300	17.01%
Total Males Age 25-49	99.99%	317,681	14.55%	46,200	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Mental Health by Job Rating, Sex, and Age. Utahns Age 25 and Over Who Are Full Time Employed, 1996.

	Population Distribution of Full Time Employed Utahns, Age 25 and Over		Survey Estimates of Full Time Employed Utahns, Age 25 and Over, Who Accomplished Less as a Result of Mental Health			
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories	
Job Rating (Full Time Employees)						
Average or Below	18.40%	117,083	18.69% ± 4.92%	21,900	27.68%	
Above Average	64.60%	411,063	11.42% ± 2.23%	46,900	64.06%	
Excellent	17.00%	108,175	6.13% ± 2.82%	6,600	8.26%	
Total	100.00%	636,321	12.14% ± 1.82%	77,200	100.00%	
Males						
Average or Below	17.09%	69,105	17.85%	12,300	29.60%	
Above Average	65.69%	265,623	8.82%	23,400	60.99%	
Excellent	17.22%	69,630	5.68%	4,000	9.40%	
Total Males	100.00%	404,358	10.30%	41,600	99.99%	
Females						
Average or Below	20.62%	48,363	19.85%	9,600	25.61%	
Above Average	62.88%	147,483	16.00%	23,600	67.36%	
Excellent	16.50%	38,700	6.91%	2,700	7.03%	
Total Females	100.00%	234,546	15.25%	35,800	100.00%	
Age 25-49						
Average or Below	18.81%	93,698	19.78%	18,500	29.84%	
Above Average	65.92%	328,367	11.39%	37,400	62.23%	
Excellent	15.27%	76,064	7.04%	5,400	7.93%	
Total Age 25-49	100.00%	498,129	12.75%	63,500	100.00%	
Age 50 and Over						
Average or Below	16.95%	23,319	13.35%	3,100	18.14%	
Above Average	59.91%	82,423	11.51%	9,500	72.14%	
Excellent	23.14%	31,836	4.18%	1,300	9.73%	
Total Age 50 and Over	100.00%	137,578	9.98%	13,700	100.01%	

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor General Health Status by Job Rating, Sex, and Age.
Utahns Age 25 and Over Who Are Full Time Employed, 1996.

	Population Distribution of Full Time Employed Utahns, Age 25 and Over		Survey Estimates of Full Time Employed Utahns, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Job Rating (Full Time Employees)					
Average or Below	18.40%	117,083	9.71% \pm 2.39%	11,400	25.08%
Above Average	64.60%	411,063	6.23% \pm 1.20%	25,600	56.50%
Excellent	17.00%	108,175	7.75% \pm 2.63%	8,400	18.41%
Total	100.00%	636,321	7.09% \pm 0.98%	45,100	99.99%
Males					
Average or Below	17.09%	69,105	7.52%	5,200	21.13%
Above Average	65.69%	265,623	5.69%	15,100	61.45%
Excellent	17.22%	69,630	6.17%	4,300	17.42%
Total Males	100.00%	404,358	6.07%	24,500	100.00%
Females					
Average or Below	20.62%	48,363	12.75%	6,200	29.63%
Above Average	62.88%	147,483	7.17%	10,600	50.82%
Excellent	16.50%	38,700	10.52%	4,100	19.56%
Total Females	100.00%	234,546	8.81%	20,700	100.01%
Age 25-49					
Average or Below	18.81%	93,698	9.02%	8,500	29.57%
Above Average	65.92%	328,367	4.50%	14,800	51.73%
Excellent	15.27%	76,064	7.04%	5,400	18.70%
Total Age 25-49	100.00%	498,129	5.68%	28,300	100.00%
Age 50 and Over					
Average or Below	16.95%	23,319	12.53%	2,900	17.35%
Above Average	59.91%	82,423	13.22%	10,900	64.73%
Excellent	23.14%	31,836	9.47%	3,000	17.92%
Total Age 50 and Over	100.00%	137,578	12.25%	16,900	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Physical Health by Health Insurance
Coverage, Sex, and Age. Utahns Age 25-64, 1996.

	Population Distribution of Utahns Age 25-64		Survey Estimates of Utahns Age 25-64 Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Insurance Status					
Insured	89.70%	818,573	18.64% \pm 1.94%	152,600	85.92%
Uninsured	10.30%	93,995	26.92% \pm 6.17%	25,300	14.08%
Total	100.00%	912,568	19.48% \pm 1.84%	177,800	100.00%
Males					
Insured	89.08%	405,445	16.13%	65,400	86.79%
Uninsured	10.92%	49,702	24.51%	12,200	13.21%
Total Males	100.00%	455,147	16.89%	76,900	100.00%
Females					
Insured	90.21%	412,639	21.08%	87,000	85.28%
Uninsured	9.79%	44,782	28.77%	12,900	14.72%
Total Females	100.00%	457,421	21.92%	100,300	100.00%
Age 25-34					
Insured	85.35%	253,432	15.73% \pm 2.84%	39,900	83.41%
Uninsured	14.65%	43,501	19.36% \pm 7.60%	8,400	16.59%
Total Age 25-34	100.00%	296,933	16.32% \pm 2.67%	48,500	100.00%
Age 35-49					
Insured	90.54%	365,682	17.67% \pm 3.04%	64,600	81.92%
Uninsured	9.46%	38,208	34.83% \pm 10.96%	13,300	18.08%
Total Age 35-49	100.00%	403,890	19.34% \pm 2.96%	78,100	100.00%
Age 50-64					
Insured	93.94%	198,913	23.75% \pm 4.35%	47,200	93.88%
Uninsured	6.06%	12,832	26.62% \pm 13.58%	3,400	6.12%
Total Age 50-64	100.00%	211,745	23.91% \pm 4.17%	50,600	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Mental Health by Health Insurance
Coverage, Sex, and Age. Utahns Age 25-64, 1996.

	Population Distribution of Utahns Age 25-64		Survey Estimates of Utahns Age 25-64 Who Accomplished Less as a Result of Mental Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Insurance Status					
Insured	89.70%	818,602	13.28% ± 1.59%	108,700	83.73%
Uninsured	10.30%	93,998	23.02% ± 5.96%	21,600	16.27%
Total	100.00%	912,600	14.25% ± 1.55%	130,000	100.00%
Males					
Insured	89.08%	405,445	10.81% ± 2.35%	43,800	80.63%
Uninsured	10.92%	49,702	26.28% ± 9.98%	13,100	19.37%
Total Males	100.00%	455,147	12.21% ± 2.35%	55,600	100.00%
Females					
Insured	90.21%	412,639	15.68% ± 2.14%	64,700	85.95%
Uninsured	9.79%	44,782	20.50% ± 7.10%	9,200	14.05%
Total Females	100.00%	457,421	16.18% ± 2.06%	74,000	100.00%
Age 25-34					
Insured	85.35%	253,432	13.48% ± 2.57%	34,200	85.00%
Uninsured	14.65%	43,501	14.94% ± 6.29%	6,500	15.00%
Total Age 25-34	100.00%	296,933	13.64% ± 2.37%	40,500	100.00%
Age 35-49					
Insured	90.54%	365,682	13.70% ± 2.49%	50,100	79.66%
Uninsured	9.46%	38,208	31.34% ± 10.72%	12,000	20.34%
Total Age 35-49	100.00%	403,890	15.48% ± 2.51%	62,500	100.00%
Age 50-64					
Insured	93.94%	198,913	12.32% ± 3.33%	24,500	90.53%
Uninsured	6.06%	12,832	22.77% ± 16.60%	2,900	9.47%
Total Age 50-64	100.00%	211,745	12.89% ± 3.29%	27,300	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Health Insurance Coverage, Sex, and Age.
Utahns Age 25-64, 1996.

	Population Distribution of Utahns Age 25-64		Survey Estimates of Utahns Age 25-64 Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Insurance Status					
Insured	89.70%	818,573	8.68% \pm 0.98%	71,100	83.28%
Uninsured	10.30%	93,995	15.11% \pm 3.31%	14,200	16.72%
Total	100.00%	912,568	9.46% \pm 0.96%	86,300	100.00%
Males					
Insured	89.08%	405,403	7.08%	28,700	82.15%
Uninsured	10.92%	49,697	12.58%	6,300	17.85%
Total Males	100.00%	455,100	7.85%	35,700	100.00%
Females					
Insured	90.21%	412,621	10.23%	42,200	84.05%
Uninsured	9.79%	44,779	17.84%	8,000	15.95%
Total Females	100.00%	457,400	11.03%	50,500	100.00%
Age 25-34					
Insured	85.35%	253,432	5.92%	15,000	80.60%
Uninsured	14.65%	43,501	8.33%	3,600	19.40%
Total Age 25-34	100.00%	296,933	6.27%	18,600	100.00%
Age 35-49					
Insured	90.54%	365,682	7.27%	26,600	79.68%
Uninsured	9.46%	38,208	17.74%	6,800	20.32%
Total Age 35-49	100.00%	403,890	8.52%	34,400	100.00%
Age 50-64					
Insured	93.94%	198,913	14.52%	28,900	88.17%
Uninsured	6.06%	12,832	30.17%	3,900	11.83%
Total Age 50-64	100.00%	211,745	15.48%	32,800	100.00%
Males, Age 50-64					
Insured	94.29%	97,936	12.98%	12,700	85.46%
Uninsured	5.71%	5,931	36.67%	2,200	14.54%
Total Males Age 50-64	100.00%	103,867	14.34%	14,900	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Health Insurance Coverage, Sex, and Age.
Utahns Age 25-64, 1991.

	Population Distribution of Utahns Age 25-64		Survey Estimates of Utahns Age 25-64 Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Insurance Status					
Insured	90.42%	715,584	8.42% \pm 1.14%	69,800	85.37%
Uninsured	9.58%	75,816	13.62% \pm 4.10%	11,100	14.63%
Total	100.00%	791,400	9.01% \pm 1.10%	71,300	100.00%
Males					
Insured	90.29%	356,715	7.04%	25,100	83.83%
Uninsured	9.71%	38,362	12.61%	4,800	16.17%
Total Males	100.00%	395,077	7.57%	29,900	100.00%
Females					
Insured	90.56%	358,910	9.76%	35,000	86.48%
Uninsured	9.44%	37,413	14.63%	5,500	13.52%
Total Females	100.00%	396,323	10.41%	41,300	100.00%
Age 25-34					
Insured	86.96%	244,282	4.96%	12,100	82.11%
Uninsured	13.04%	36,631	7.20%	2,600	17.89%
Total Age 25-34	100.00%	280,913	5.45%	15,300	100.00%
Age 35-49					
Insured	92.51%	308,466	6.99%	21,600	81.79%
Uninsured	7.49%	24,975	19.22%	4,800	18.21%
Total Age 35-49	100.00%	333,441	7.91%	26,400	100.00%
Age 50-64					
Insured	92.33%	163,467	16.52%	27,000	90.66%
Uninsured	7.67%	13,579	20.48%	2,800	9.34%
Total Age 50-64	100.00%	177,046	16.71%	29,600	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Health Insurance Coverage, Sex, and Age.
Utahns Age 25-64, 1986.

	Population Distribution of Utahns Age 25-64		Survey Estimates of Utahns Age 25-64 Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Insurance Status					
Insured	91.01%	640,495	9.32% \pm 1.27%	59,700	91.44%
Uninsured	8.99%	63,268	8.83% \pm 3.82%	5,600	8.56%
Total	100.00%	703,763	9.23% \pm 1.20%	65,000	100.00%
Males					
Insured	90.91%	318,539	7.89%	25,100	95.12%
Uninsured	9.09%	31,850	4.04%	1,300	4.88%
Total Males	100.00%	350,389	7.50%	26,300	100.00%
Females					
Insured	91.10%	321,924	10.75%	34,600	88.92%
Uninsured	8.90%	31,450	13.72%	4,300	11.08%
Total Females	100.00%	353,374	10.96%	38,700	100.00%
Age 25-34					
Insured	88.99%	239,082	3.74%	8,900	91.81%
Uninsured	11.01%	29,580	2.70%	800	8.19%
Total Age 25-34	100.00%	268,662	3.60%	9,700	100.00%
Age 35-49					
Insured	93.02%	248,798	8.35%	20,800	93.84%
Uninsured	6.98%	18,669	7.31%	1,400	6.16%
Total Age 35-49	100.00%	267,467	8.22%	22,000	100.00%
Age 50-64					
Insured	92.25%	154,642	18.43%	28,500	91.07%
Uninsured	7.75%	12,992	21.55%	2,800	8.93%
Total Age 50-64	100.00%	167,634	18.64%	31,200	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Physical Health by Household Savings,
Sex, and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Savings					
2+ Months Annual Household Income Saved	45.90%	504,457	17.71% ± 2.51%	89,300	38.06%
Less Than 2 Months Saved	54.10%	594,578	25.03% ± 2.67%	148,800	61.94%
Total	100.00%	1,099,035	21.64% ± 1.72%	237,800	100.00%
Males					
2+ Months Annual Household Income Saved	45.66%	244,751	17.15%	42,000	32.76%
Less Than 2 Months Saved	54.34%	291,279	20.49%	59,700	67.24%
Total Males	100.00%	536,030	18.64%	99,900	100.00%
Females					
2+ Months Annual Household Income Saved	46.20%	260,108	18.32%	47,700	28.61%
Less Than 2 Months Saved	53.80%	302,897	28.98%	87,800	71.39%
Total Females	100.00%	563,005	24.37%	137,200	100.00%
Age 25-34					
2+ Months Annual Household Income Saved	28.57%	84,834	9.64%	8,200	17.00%
Less Than 2 Months Saved	71.43%	212,099	19.00%	40,300	83.00%
Total Age 25-34	100.00%	296,933	16.32%	48,500	100.00%
Age 35-49					
2+ Months Annual Household Income Saved	42.59%	172,017	12.52%	21,500	25.91%
Less Than 2 Months Saved	57.41%	231,873	25.40%	58,900	74.09%
Total Age 35-49	100.00%	403,890	19.34%	78,100	100.00%
Age 50-64					
2+ Months Annual Household Income Saved	60.59%	128,296	20.17%	25,900	52.59%
Less Than 2 Months Saved	39.41%	83,449	33.01%	27,500	47.41%
Total Age 50-64	100.00%	211,745	23.91%	50,600	100.00%
Age 65 and Over					
2+ Months Annual Household Income Saved	73.22%	136,531	30.17%	41,200	66.23%
Less Than 2 Months Saved	26.78%	49,936	42.32%	21,100	33.77%
Total age 65 and Over	100.00%	186,467	33.43%	62,300	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Mental Health by Household Savings, Sex,
and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Mental Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Savings					
2+ Months Annual Household Income Saved	45.90%	504,457	10.70% \pm 1.98%	54,000	34.61%
Less Than 2 Months Saved	54.10%	594,578	17.64% \pm 2.25%	104,900	65.39%
Total	100.00%	1,099,035	13.83% \pm 1.39%	152,000	100.00%
Males					
2+ Months Annual Household Income Saved	45.66%	244,751	9.47%	23,200	38.58%
Less Than 2 Months Saved	54.34%	291,279	14.89%	43,400	61.42%
Total Males	100.00%	536,030	11.58%	62,100	100.00%
Females					
2+ Months Annual Household Income Saved	46.20%	260,108	12.06%	31,400	31.76%
Less Than 2 Months Saved	53.80%	302,897	20.02%	60,600	68.24%
Total Females	100.00%	563,005	15.88%	89,400	100.00%
Age 25-34					
2+ Months Annual Household Income Saved	28.57%	84,834	11.86% \pm 4.61%	10,100	23.85%
Less Than 2 Months Saved	71.43%	212,099	15.38% \pm 3.02%	32,600	76.15%
Total Age 25-34	100.00%	296,933	13.64% \pm 2.37%	40,500	100.00%
Age 35-49					
2+ Months Annual Household Income Saved	42.59%	172,017	13.06% \pm 3.86%	22,500	34.32%
Less Than 2 Months Saved	57.41%	231,873	17.68% \pm 3.61%	41,000	65.68%
Total Age 35-49	100.00%	403,890	15.48% \pm 2.51%	62,500	100.00%
Age 50-64					
2+ Months Annual Household Income Saved	60.59%	128,296	8.11% \pm 3.49%	10,400	39.25%
Less Than 2 Months Saved	39.41%	83,449	23.02% \pm 7.90%	19,200	60.75%
Total Age 50-64	100.00%	211,745	12.89% \pm 3.29%	27,300	100.00%
Age 65 and Over					
2+ Months Annual Household Income Saved	73.22%	136,531	9.17% \pm 3.65%	12,500	56.52%
Less Than 2 Months Saved	26.78%	49,936	19.87% \pm 8.49%	9,900	43.48%
Total Age 65 and Over	100.00%	186,467	11.51% \pm 3.04%	21,500	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Household Savings, Sex, and Age.
Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Across Categories
Savings					
2+ Months Annual Household Income Saved	45.90%	504,457	17.71% \pm 2.51%	89,300	38.06%
Less Than 2 Months Saved	54.10%	594,578	25.03% \pm 2.67%	148,800	61.94%
Total	100.00%	1,099,035	21.64% \pm 1.72%	237,800	100.00%
Males					
2+ Months Annual Household Income Saved	45.66%	244,751	17.15%	42,000	32.76%
Less Than 2 Months Saved	54.34%	291,279	20.49%	59,700	67.24%
Total Males	100.00%	536,030	18.64%	99,900	100.00%
Females					
2+ Months Annual Household Income Saved	46.20%	260,108	18.32%	47,700	28.61%
Less Than 2 Months Saved	53.80%	302,897	28.98%	87,800	71.39%
Total Females	100.00%	563,005	24.37%	137,200	100.00%
Age 25-34					
2+ Months Annual Household Income Saved	28.57%	84,834	9.64%	8,200	17.00%
Less Than 2 Months Saved	71.43%	212,099	19.00%	40,300	83.00%
Total Age 25-34	100.00%	296,933	16.32%	48,500	100.00%
Age 35-49					
2+ Months Annual Household Income Saved	42.59%	172,017	12.52%	21,500	25.91%
Less Than 2 Months Saved	57.41%	231,873	25.40%	58,900	74.09%
Total Age 35-49	100.00%	403,890	19.34%	78,100	100.00%
Age 50-64					
2+ Months Annual Household Income Saved	60.59%	128,296	20.17%	25,900	52.59%
Less Than 2 Months Saved	39.41%	83,449	33.01%	27,500	47.41%
Total Age 50-64	100.00%	211,745	23.91%	50,600	100.00%
Age 65 and Over					
2+ Months Annual Household Income Saved	73.22%	136,531	30.17%	41,200	66.23%
Less Than 2 Months Saved	26.78%	49,936	42.32%	21,100	33.77%
Total age 65 and Over	100.00%	186,467	33.43%	62,300	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Physical Health by Home Ownership, Sex,
and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Home Ownership					
Owns Home	80.76%	887,581	20.76% \pm 1.86%	184,300	77.44%
Renting	19.24%	211,454	25.32% \pm 4.39%	53,500	22.56%
Total	100.00%	1,099,035	21.64% \pm 1.72%	237,800	100.00%
Males					
Owns Home	80.99%	434,131	17.79%	77,200	71.36%
Renting	19.01%	101,899	22.23%	22,700	28.64%
Total Males	100.00%	536,030	18.64%	99,900	100.00%
Females					
Owns Home	80.54%	453,444	23.42%	106,200	74.06%
Renting	19.46%	109,561	28.26%	31,000	25.94%
Total Females	100.00%	563,005	24.37%	137,200	100.00%
Age 25-34					
Owns Home	63.53%	188,642	16.11%	30,400	61.20%
Renting	36.47%	108,291	16.67%	18,000	38.80%
Total Age 25-34	100.00%	296,933	16.32%	48,500	100.00%
Age 35-49					
Owns Home	84.82%	342,579	17.25%	59,100	74.88%
Renting	15.18%	61,311	31.01%	19,000	25.12%
Total Age 35-49	100.00%	403,890	19.34%	78,100	100.00%
Age 50-64					
Owns Home	89.73%	189,999	21.14%	40,200	82.44%
Renting	10.27%	21,746	52.54%	11,400	17.56%
Total Age 50-64	100.00%	211,745	23.91%	50,600	100.00%
Age 65 and Over					
Owns Home	90.48%	168,715	33.82%	57,100	90.25%
Renting	9.52%	17,752	33.49%	5,900	9.75%
Total Age 65 and Over	100.00%	186,467	33.43%	62,300	100.00%
Males, Age 50 and Over					
Owns Home	91.21%	270,833	22.53%	61,000	82.83%
Renting	8.79%	26,100	50.61%	13,200	17.17%
Total Males Age 50 and Over	100.00%	184,750	25.01%	46,200	100.00%
Females, Age 50 and Over					
Owns Home	89.05%	359,664	29.80%	107,200	88.95%
Renting	10.95%	44,226	37.66%	16,700	11.05%
Total Females Age 50 and Over	100.00%	213,462	30.53%	65,200	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Mental Health by Home Ownership, Sex,
and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Mental Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Home Ownership					
Owns Home	80.76%	887,581	12.58% ± 1.49%	111,700	72.97%
Renting	19.24%	211,454	19.51% ± 3.76%	41,300	27.03%
Total	100.00%	1,099,035	13.83% ± 1.39%	152,000	100.00%
Males					
Owns Home	80.99%	434,131	10.40%	45,100	71.36%
Renting	19.01%	101,899	17.00%	17,300	28.64%
Total Males	100.00%	536,030	11.58%	62,100	100.00%
Females					
Owns Home	80.54%	453,444	14.55%	66,000	74.06%
Renting	19.46%	109,561	21.89%	24,000	25.94%
Total Females	100.00%	563,005	15.88%	89,400	100.00%
Age 25-34					
Owns Home	63.53%	188,642	12.85%	24,200	57.98%
Renting	36.47%	108,291	15.25%	16,500	42.02%
Total Age 25-34	100.00%	296,933	13.64%	40,500	100.00%
Age 35-49					
Owns Home	84.82%	342,579	14.02%	48,000	76.12%
Renting	15.18%	61,311	23.36%	14,300	23.88%
Total Age 35-49	100.00%	403,890	15.48%	62,500	100.00%
Age 50-64					
Owns Home	89.73%	189,999	11.34%	21,500	80.49%
Renting	10.27%	21,746	32.25%	7,000	19.51%
Total Age 50-64	100.00%	211,745	12.89%	27,300	100.00%
Age 65 and Over					
Owns Home	90.48%	168,715	10.77%	18,200	83.09%
Renting	9.52%	17,752	19.97%	3,500	16.91%
Total Age 65 and Over	100.00%	186,467	11.51%	21,500	100.00%
Males, Age 50 and Over					
Owns Home	91.21%	270,833	7.90%	21,400	77.55%
Renting	8.79%	26,100	24.94%	6,500	22.45%
Total Males Age 50 and Over	100.00%	184,750	9.20%	17,000	100.00%
Females, Age 50 and Over					
Owns Home	89.05%	359,664	13.87%	49,900	83.63%
Renting	10.95%	44,226	27.50%	12,200	16.37%
Total Females Age 50 and Over	100.00%	213,462	14.97%	32,000	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Home Ownership, Sex, and Age.
Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Home Ownership					
Owns Home	80.76%	887,581	11.72% \pm 1.08%	104,000	76.49%
Renting	19.24%	211,454	15.12% \pm 2.51%	32,000	23.51%
Total	100.00%	1,099,035	12.47% \pm 1.00%	137,000	100.00%
Males					
Owns Home	80.99%	434,131	10.47%	45,500	79.62%
Renting	19.01%	101,899	11.39%	11,600	20.38%
Total Males	100.00%	536,030	10.76%	57,700	100.00%
Females					
Owns Home	80.54%	453,444	12.91%	58,500	74.24%
Renting	19.46%	109,561	18.59%	20,400	25.76%
Total Females	100.00%	563,005	14.08%	79,300	100.00%
Age 25-34					
Owns Home	63.53%	188,642	5.93% \pm 1.63%	11,200	60.17%
Renting	36.47%	108,291	6.83% \pm 2.18%	7,400	39.83%
Total Age 25-34	100.00%	296,933	6.27% \pm 1.29%	18,600	100.00%
Age 35-49					
Owns Home	84.82%	342,579	6.71% \pm 1.33%	23,000	66.70%
Renting	15.18%	61,311	18.72% \pm 5.25%	11,500	33.30%
Total Age 35-49	100.00%	403,890	8.52% \pm 1.39%	34,400	100.00%
Age 50-64					
Owns Home	89.73%	189,999	13.64% \pm 2.18%	25,900	80.20%
Renting	10.27%	21,746	29.83% \pm 9.41%	6,500	19.80%
Total Age 50-64	100.00%	211,745	15.48% \pm 2.21%	32,800	100.00%
Age 65 and Over					
Owns Home	90.48%	168,715	27.93% \pm 3.37%	47,100	87.29%
Renting	9.52%	17,752	38.48% \pm 13.23%	6,800	12.71%
Total Age 65 and Over	100.00%	186,467	29.21% \pm 3.27%	54,500	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Physical Health by Religious Activity, Sex,
and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Religious Activity					
Active LDS	48.70%	535,230	21.20% \pm 2.41%	113,500	47.34%
Non-active LDS	20.50%	225,302	26.00% \pm 4.27%	58,600	24.20%
Active Other Religion	7.50%	82,428	25.89% \pm 6.78%	21,300	8.84%
Non-active Other Religion	14.50%	159,360	18.63% \pm 4.41%	29,700	12.41%
No Religion	8.90%	97,814	17.82% \pm 5.47%	17,400	7.21%
Total	100.10%	1,099,035	21.64% \pm 1.72%	237,800	100.00%
Males					
Active LDS	45.06%	241,535	17.53%	42,300	42.27%
Non-active LDS	22.63%	121,304	23.58%	28,600	28.09%
Active Other Religion	6.37%	34,145	18.38%	6,300	6.26%
Non-active Other Religion	15.43%	82,709	14.93%	12,300	12.33%
No Religion	10.51%	56,337	19.72%	11,100	11.05%
Total Males	100.00%	536,030	18.64%	99,900	100.00%
Females					
Active LDS	52.00%	292,763	24.09%	70,500	50.84%
Non-active LDS	18.47%	103,987	28.64%	29,800	21.51%
Active Other Religion	8.45%	47,574	31.07%	14,800	10.62%
Non-active Other Religion	13.73%	77,301	22.42%	17,300	12.47%
No Religion	7.35%	41,381	15.34%	6,300	4.57%
Total Females	100.00%	563,005	24.37%	137,200	100.01%
Age 25-49					
Active LDS	46.74%	327,565	17.58% \pm 2.82%	57,600	45.02%
Non-active LDS	18.80%	131,755	19.43% \pm 5.10%	25,600	20.02%
Active Other Religion	6.82%	47,796	23.99% \pm 9.17%	11,500	8.97%
Non-active Other Religion	15.77%	110,520	18.68% \pm 5.51%	20,600	16.09%
No Religion	11.87%	83,188	15.29% \pm 5.64%	12,700	9.91%
Total Age 25-49	100.00%	700,823	18.05% \pm 2.04%	126,500	100.01%
Age 50 and Over					
Active LDS	52.16%	207,707	26.96% \pm 4.27%	56,000	50.02%
Non-active LDS	23.37%	93,062	35.57% \pm 7.23%	33,100	29.03%
Active Other Religion	8.59%	34,206	28.58% \pm 10.05%	9,800	8.69%
Non-active Other Religion	12.36%	49,219	18.49% \pm 7.17%	9,100	8.16%
No Religion	3.51%	13,977	32.98% \pm 16.37%	4,600	4.11%
Total Age 50 and Over	99.99%	398,212	27.99% \pm 3.10%	111,500	100.01%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Mental Health by Religious Activity, Sex,
and Age. Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Accomplished Less as a Result of Mental Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Active in Religion					
Active LDS	48.70%	535,230	11.57% \pm 1.84%	61,900	40.31%
Non-Active LDS	20.50%	225,302	17.85% \pm 3.41%	40,200	26.12%
Active Other Religion	7.50%	82,428	12.08% \pm 4.88%	10,000	6.46%
Nonactive Other Religion	14.50%	159,360	17.66% \pm 4.29%	28,100	18.42%
No Religion	8.90%	97,814	13.65% \pm 4.70%	13,400	8.68%
Total	100.10%	1,099,035	13.83% \pm 1.39%	152,000	99.99%
Males					
Active LDS	45.06%	241,535	9.30%	22,500	35.81%
Non-Active LDS	22.63%	121,304	12.41%	15,100	24.01%
Active Other Religion	6.37%	34,145	7.97%	2,700	4.35%
Nonactive Other Religion	15.43%	82,709	17.71%	14,600	23.41%
No Religion	10.51%	56,337	13.79%	7,800	12.41%
Total Males	100.00%	536,030	11.58%	62100	99.99%
Females					
Active LDS	52.00%	292,763	13.36%	39,100	43.31%
Non-Active LDS	18.47%	103,987	23.95%	24,900	27.53%
Active Other Religion	8.45%	47,574	14.91%	7,100	7.87%
Nonactive Other Religion	13.73%	77,301	17.61%	13,600	15.09%
No Religion	7.35%	41,381	13.48%	5,600	6.20%
Total Females	100.00%	563,005	15.88%	89,400	100.00%
Age 25-49					
Active LDS	46.74%	327,565	11.89%	38,900	37.66%
Non-Active LDS	18.80%	131,755	17.51%	23,100	22.22%
Active Other Religion	6.82%	47,796	13.85%	6,600	6.39%
Nonactive Other Religion	15.77%	110,520	20.27%	22,400	21.66%
No Religion	11.87%	83,188	14.97%	12,500	12.08%
Total Age 25-49	100.00%	700,823	14.70%	103,000	100.01%
Age 50 and Over					
Active LDS	52.16%	207,707	11.05%	23,000	45.87%
Non-Active LDS	23.37%	93,062	18.34%	17,100	34.31%
Active Other Religion	8.59%	34,206	9.60%	3,300	6.62%
Nonactive Other Religion	12.36%	49,219	11.75%	5,800	11.63%
No Religion	3.51%	13,977	5.63%	800	1.57%
Total Age 50 and Over	99.99%	398,212	12.30%	49,000	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Religious Activity, Sex, and Age.
Utahns Age 25 and Over, 1996.

	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Utahns Age 25 and Over Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Active in Religion					
Active LDS	48.69%	535,120	8.76% ± 1.67%	46,900	36.98%
Non-Active LDS	20.45%	224,753	16.23% ± 3.35%	36,500	28.69%
Active Other Religion	7.46%	81,988	12.37% ± 4.74%	10,100	8.00%
Nonactive Other Religion	14.54%	159,800	13.09% ± 3.63%	20,900	16.50%
No Religion	8.86%	97,375	12.82% ± 4.98%	12,500	9.83%
Total	100.00%	1,099,035	12.47% ± 1.00%	137,000	100.00%
Males					
Active LDS	45.06%	241,535	6.25% ± 2.29%	15,100	32.51%
Non-Active LDS	22.63%	121,304	10.29% ± 3.45%	12,500	26.83%
Active Other Religion	6.37%	34,145	5.53% ± 5.17%	1,900	4.07%
Nonactive Other Religion	15.43%	82,709	11.55% ± 4.57%	9,600	20.58%
No Religion	10.51%	56,337	13.23% ± 6.51%	7,500	16.01%
Total Males	100.00%	536,030	10.76% ± 1.22%	57,700	100.00%
Females					
Active LDS	52.00%	292,763	10.74% ± 2.35%	31,400	39.47%
Non-Active LDS	18.47%	103,987	22.86% ± 5.61%	23,800	29.73%
Active Other Religion	8.45%	47,574	17.06% ± 6.96%	8,100	10.19%
Nonactive Other Religion	13.73%	77,301	14.67% ± 5.59%	11,300	14.23%
No Religion	7.35%	41,381	12.29% ± 7.70%	5,100	6.39%
Total Females	100.00%	563,005	14.08% ± 1.33%	79,300	100.01%
Age 25-49					
Active LDS	46.74%	327,565	3.45%	11,300	23.47%
Non-Active LDS	18.80%	131,755	9.16%	12,100	25.03%
Active Other Religion	6.82%	47,796	8.57%	4,100	8.52%
Nonactive Other Religion	15.77%	110,520	10.56%	11,700	24.25%
No Religion	11.87%	83,188	10.86%	9,000	18.74%
Total Age 25-49	100.00%	700,823	7.55%	52,900	100.01%
Age 50 and Over					
Active LDS	52.16%	207,707	17.19%	35,700	45.29%
Non-Active LDS	23.37%	93,062	26.34%	24,500	30.95%
Active Other Religion	8.59%	34,206	17.71%	6,100	7.68%
Nonactive Other Religion	12.36%	49,219	18.81%	9,300	11.74%
No Religion	3.51%	13,977	24.54%	3,400	4.35%
Total Age 50 and Over	99.99%	398,212	21.34%	85,000	100.01%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Physical Health by Household Structure
and Sex. Utahns Age 25-55, 1996.

	Population Distribution of Utahns Age 25-55		Survey Estimates of Utahns Age 25-55 Who Accomplished Less as a Result of Physical Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Household Composition Ages 25-55					
Married w/ Young Children in HH	25.20%	202,276	18.43% ± 3.51%	37,300	24.09%
Married w/ Older Children in HH	34.20%	274,518	18.77% ± 3.63%	51,500	34.05%
Married Without Children in HH	18.20%	146,088	19.56% ± 5.14%	28,600	19.23%
Unmarried w/ Young Children in HH	2.40%	19,264	31.11% ± 13.82%	6,000	4.32%
Unmarried w/ Older Children in HH	6.70%	53,780	22.64% ± 7.62%	12,200	7.15%
Unmarried Without Children in HH	13.20%	105,954	16.07% ± 4.35%	17,000	11.16%
Total	99.90%	802,683	19.03% ± 1.98%	152,800	100.00%
Males					
Married w/ Young Children in HH	26.96%	108,293	13.81%	15,000	21.61%
Married w/ Older Children in HH	34.49%	138,539	20.34%	28,200	41.98%
Married Without Children in HH	18.96%	76,158	14.93%	11,400	18.76%
Unmarried w/ Young Children in HH	1.58%	6,347	24.51%	1,600	2.84%
Unmarried w/ Older Children in HH	3.98%	15,987	10.90%	1,700	2.24%
Unmarried Without Children in HH	14.03%	56,356	13.30%	7,500	12.58%
Total Males	100.00%	401,679	15.97%	64,100	100.01%
Females					
Married w/ Young Children in HH	23.50%	94,236	23.00%	21,700	25.86%
Married w/ Older Children in HH	33.82%	135,620	17.36%	23,500	28.41%
Married Without Children in HH	17.54%	70,336	24.81%	17,500	19.56%
Unmarried w/ Young Children in HH	3.29%	13,193	34.62%	4,600	5.36%
Unmarried w/ Older Children in HH	9.42%	37,775	26.99%	10,200	10.65%
Unmarried Without Children in HH	12.42%	49,805	19.69%	9,800	10.16%
Total Females	99.99%	401,004	21.36%	85,700	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Accomplished Less Due to Problems with Mental Health by Household Structure
and Sex. Utahns Age 25-55, 1996.

	Population Distribution of Utahns Age 25-55		Survey Estimates of Utahns Age 25-55 Who Accomplished Less as a Result of Mental Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Household Composition Age 25-55					
Married w/ Young Children in HH	25.20%	202,276	11.34% ± 2.70%	22,900	19.82%
Married w/ Older Children in HH	34.20%	274,518	13.26% ± 2.94%	36,400	32.04%
Married Without Children in HH	18.20%	146,088	11.69% ± 3.47%	17,100	15.45%
Unmarried w/ Young Children in HH	2.40%	19,264	27.98% ± 12.94%	5,400	5.19%
Unmarried w/ Older Children in HH	6.70%	53,780	26.46% ± 7.80%	14,200	11.09%
Unmarried Without Children in HH	13.20%	105,954	17.86% ± 5.02%	18,900	16.41%
Total	99.90%	802,683	14.27% ± 1.65%	114,500	100.00%
Males					
Married w/ Young Children in HH	26.96%	108,293	8.61% ± 3.67%	9,300	17.78%
Married w/ Older Children in HH	34.49%	138,539	12.99% ± 4.96%	18,000	35.21%
Married Without Children in HH	18.96%	76,158	9.07% ± 4.14%	6,900	15.18%
Unmarried w/ Young Children in HH	1.58%	6,347	35.44% ± 25.28%	2,200	5.42%
Unmarried w/ Older Children in HH	3.98%	15,987	18.81% ± 14.58%	3,000	4.99%
Unmarried Without Children in HH	14.03%	56,356	17.41% ± 7.49%	9,800	21.42%
Total Males	100.00%	401,679	12.35% ± 2.53%	49,600	100.00%
Females					
Married w/ Young Children in HH	23.50%	94,236	14.04% ± 3.98%	13,200	21.32%
Married w/ Older Children in HH	33.82%	135,620	13.50% ± 3.37%	18,300	29.73%
Married Without Children in HH	17.54%	70,336	14.71% ± 5.64%	10,300	15.64%
Unmarried w/ Young Children in HH	3.29%	13,193	24.00% ± 13.70%	3,200	5.02%
Unmarried w/ Older Children in HH	9.42%	37,775	29.24% ± 9.27%	11,000	15.55%
Unmarried Without Children in HH	12.42%	49,805	18.43% ± 6.21%	9,200	12.75%
Total Females	99.99%	401,004	16.09% ± 2.16%	64,500	100.01%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Household Structure and Sex.
Utahns Age 25-55, 1996.

	Population Distribution of Utahns Age 25-55		Survey Estimates of Utahns Age 25-55 Who Are in Fair/Poor Health			
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories	
Household Composition Ages 25-55						
Married w/ Young Children in HH	25.20%	202,276	5.58% \pm 1.69%	11,300	16.74%	
Married w/ Older Children in HH	34.20%	274,518	7.89% \pm 1.59%	21,700	32.07%	
Married Without Children in HH	18.20%	146,088	10.23% \pm 2.39%	14,900	22.23%	
Unmarried w/ Young Children in HH	2.40%	19,264	9.34% \pm 5.12%	1,800	2.71%	
Unmarried w/ Older Children in HH	6.70%	53,780	15.70% \pm 6.31%	8,400	12.52%	
Unmarried Without Children in HH	13.20%	105,954	8.73% \pm 2.45%	9,200	13.73%	
Total	99.90%	802,683	8.41% \pm 1.00%	67,500	100.00%	
Males						
Married w/ Young Children in HH	26.96%	108,293	4.47% \pm 1.90%	4,800	17.44%	
Married w/ Older Children in HH	34.49%	138,539	6.80% \pm 1.88%	9,400	33.94%	
Married Without Children in HH	18.96%	76,158	9.06% \pm 3.08%	6,900	24.86%	
Unmarried w/ Young Children in HH	1.58%	6,347	14.87% \pm 11.90%	900	3.40%	
Unmarried w/ Older Children in HH	3.98%	15,987	11.48% \pm 10.45%	1,800	6.58%	
Unmarried Without Children in HH	14.03%	56,356	6.80% \pm 3.00%	3,800	13.78%	
Total Males	100.00%	401,679	6.94% \pm 1.20%	27,900	100.00%	
Females						
Married w/ Young Children in HH	23.50%	94,236	6.84% \pm 2.39%	6,400	16.26%	
Married w/ Older Children in HH	33.82%	135,620	8.99% \pm 2.27%	12,200	30.77%	
Married Without Children in HH	17.54%	70,336	11.49% \pm 3.55%	8,100	20.40%	
Unmarried w/ Young Children in HH	3.29%	13,193	6.69% \pm 4.65%	900	2.23%	
Unmarried w/ Older Children in HH	9.42%	37,775	17.47% \pm 6.37%	6,600	16.65%	
Unmarried Without Children in HH	12.42%	49,805	10.90% \pm 3.92%	5,400	13.69%	
Total Females	99.99%	401,004	9.89% \pm 1.39%	39,700	100.00%	

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Bear River Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	65.67%	41,932	6.83%	2,900	39.49%
Over 50	34.33%	21,921	19.98%	4,400	60.51%
Total	100.00%	63,853	11.35%	7,200	100.00%
Sex					
Male	49.31%	31,486	9.08%	2,900	39.40%
Female	50.69%	32,367	13.55%	4,400	60.60%
Total Both Sexes	100.00%	63,853	11.35%	7,200	100.00%
Job Rating (Full Time Employees)					
Average or Below	18.96%	6,302	11.81%	700	34.88%
Above Average	69.57%	23,126	3.47%	800	37.57%
Excellent	11.47%	3,813	15.42%	600	27.56%
Total	100.00%	33,241	6.40%	2,100	100.01%
Annual Household Income					
<\$15,000	7.05%	4,502	31.78%	1,400	20.64%
\$15,000-\$35,000	32.97%	21,052	12.48%	2,600	37.74%
\$35,000-\$55,000	36.18%	23,102	9.46%	2,200	31.53%
Over \$55,000	23.81%	15,203	4.60%	700	10.10%
Total	100.01%	63,853	11.35%	7,200	100.01%
Household Savings					
2+ Months Annual Income Saved	44.87%	28,651	12.88%	3,700	56.66%
<2 Months Annual Income Saved	55.13%	35,202	8.04%	2,800	43.34%
Total	100.00%	63,853	11.35%	7,200	100.00%
Education Level					
Some HS	5.13%	3,276	**	**	12.24%
HS Grad/Some College	59.11%	37,744	11.79%	4,500	61.22%
Tech/Voc Degree	5.11%	3,263	**	**	5.45%
4Yr + College	30.65%	19,571	7.84%	1,500	21.10%
Total	100.00%	63,853	11.35%	7,200	100.01%
Insurance Status (Age 25-64)					
Insured	92.00%	48,755	6.76%	3,300	83.73%
Uninsured	8.00%	4,240	**	**	16.27%
Total	100.00%	52,995	7.55%	4,000	100.00%
Home Ownership					
Owns Home	83.58%	53,368	11.93%	6,400	88.41%
Renting	16.42%	10,485	7.95%	800	11.59%
Total	100.00%	63,853	11.35%	7,200	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Central Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	56.37%	17,532	10.21%	1,800	31.69%
Over 50	43.63%	13,570	28.51%	3,900	68.31%
Total	100.00%	31,102	18.18%	5,700	100.00%
Sex					
Male	47.28%	14,705	17.60%	2,600	45.82%
Female	52.72%	16,397	18.71%	3,100	54.18%
Total Both Sexes	100.00%	31,102	18.18%	5,700	100.00%
Job Rating (Full Time Employees)					
Average or Below	21.36%	3,156	20.50%	600	39.88%
Above Average	61.78%	9,129	9.43%	900	53.05%
Excellent	16.86%	2,491	4.60%	100	7.07%
Total	100.00%	14,776	11.12%	1,600	100.00%
Annual Household Income					
<\$15,000	13.39%	4,165	39.36%	1,600	29.33%
\$15,000-\$35,000	39.06%	12,148	19.20%	2,300	42.15%
\$35,000-\$55,000	30.92%	9,617	10.11%	1,000	17.57%
Over \$55,000	6.63%	2,062	11.72%	200	10.95%
Total	90.00%	31,102	18.18%	5,700	100.00%
Household Savings					
2+ Months Annual Income Saved	43.32%	13,473	14.90%	2,000	37.13%
<2 Months Annual Income Saved	56.68%	17,629	19.28%	3,400	62.87%
Total	100.00%	31,102	18.18%	5,700	100.00%
Education Level					
Some HS	8.81%	2,740	37.73%	1,000	18.24%
HS Grad/Some College	63.47%	19,740	18.08%	3,600	62.85%
Tech/Voc Degree	8.98%	2,793	12.64%	400	6.23%
4Yr + College	18.74%	5,829	12.33%	700	12.68%
Total	100.00%	31,102	18.18%	5,700	100.00%
Insurance Status (Age 25-64)					
Insured	83.68%	19,403	10.53%	2,000	71.78%
Uninsured	16.32%	3,784	**	**	28.22%
Total	100.00%	23,187	12.33%	2,900	100.00%
Home Ownership					
Owns Home	90.73%	28,219	17.92%	5,100	90.68%
Renting	9.27%	2,883	18.00%	500	9.32%
Total	100.00%	31,102	18.18%	5,700	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

**Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.**

Davis County Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	66.83%	79,325	6.14%	4,900	38.44%
Over 50	33.17%	39,371	19.90%	6,400	61.56%
Total	100.00%	118,696	10.69%	12,700	100.00%
Sex					
Male	49.04%	58,209	10.88%	3,800	49.85%
Female	50.96%	60,487	10.51%	9,200	50.15%
Total Both Sexes	100.00%	118,696	10.69%	900	100.00%
Job Rating (Full Time Employees)					
Average or Below	18.19%	12,650	12.70%	1,600	43.32%
Above Average	65.27%	45,393	3.30%	1,500	40.35%
Excellent	16.54%	11,503	5.27%	600	16.33%
Total	100.00%	69,546	5.27%	3,700	100.00%
Annual Household Income					
<\$15,000	3.88%	4,605	**	4,600	20.32%
\$15,000-\$35,000	24.85%	29,496	11.50%	3,400	29.52%
\$35,000-\$55,000	34.69%	41,176	8.72%	3,600	31.25%
Over \$55,000	36.58%	43,419	5.00%	2,200	18.91%
Total	100.00%	118,696	10.69%	12,700	100.00%
Household Savings					
2+ Months Annual Income Saved	45.03%	53,449	9.17%	4,900	43.22%
<2 Months Annual Income Saved	54.97%	65,247	9.87%	6,400	56.78%
Total	100.00%	118,696	10.69%	12,700	100.00%
Education Level					
Some HS	3.18%	3,775	**	3,800	8.31%
HS Grad/Some College	58.15%	69,022	13.27%	9,200	72.69%
Tech/Voc Degree	7.61%	9,033	9.49%	900	6.54%
4Yr + College	31.36%	37,223	4.24%	1,600	12.47%
Total	100.30%	118,696	10.69%	12,700	100.01%
Insurance Status (Age 25-64)					
Insured	95.02%	97,343	7.51%	7,300	87.20%
Uninsured	4.98%	5,102	21.02%	1,100	12.80%
Total	100.00%	102,445	8.28%	8,500	100.00%
Home Ownership					
Owns Home	86.34%	102,482	9.57%	9,800	79.03%
Renting	13.66%	16,214	16.05%	2,600	20.97%
Total	100.00%	118,696	10.69%	12,700	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Salt Lake City/County Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	65.18%	310,660	8.16%	25,300	43.29%
Over 50	34.82%	165,959	20.20%	33,500	56.71%
Total	100.00%	476,619	12.33%	58,800	100.00%
Sex					
Male	48.41%	230,731	9.46%	21,800	37.18%
Female	51.59%	245,888	15.03%	37,000	62.82%
Total Both Sexes	100.00%	476,619	12.33%	58,800	100.00%
Job Rating (Full Time Employees)					
Average or Below	18.66%	54,516	7.44%	4,100	17.02%
Above Average	66.01%	192,852	7.78%	15,000	62.91%
Excellent	15.33%	44,788	10.68%	4,800	20.06%
Total	100.00%	292,156	8.03%	23,500	99.99%
Annual Household Income					
<\$15,000	5.31%	25,308	34.10%	8,600	14.78%
\$15,000-\$35,000	29.15%	138,934	18.31%	25,400	44.03%
\$35,000-\$55,000	33.34%	158,905	8.32%	13,200	23.01%
Over \$55,000	32.19%	153,424	6.80%	10,400	18.18%
Total	99.99%	476,619	12.33%	58,800	100.00%
Household Savings					
2+ Months Annual Income Saved	47.81%	227,872	8.39%	19,100	33.33%
<2 Months Annual Income Saved	52.19%	248,747	15.40%	38,300	66.67%
Total	100.00%	476,619	12.33%	58,800	100.00%
Education Level					
Some HS	5.61%	26,738	30.45%	8,100	13.94%
HS Grad/Some College	54.17%	258,185	13.78%	35,600	60.78%
Tech/Voc Degree	5.06%	24,117	8.86%	2,100	3.60%
4Yr + College	35.16%	167,579	7.58%	12,700	21.68%
Total	100.00%	476,619	12.33%	58,800	100.00%
Insurance Status (Age 25-64)					
Insured	90.03%	361,975	9.11%	33,000	85.56%
Uninsured	9.97%	40,085	13.85%	5,600	14.44%
Total	100.00%	402,060	9.76%	39,200	100.00%
Home Ownership					
Owns Home	78.40%	373,669	11.26%	42,100	71.56%
Renting	21.60%	102,950	16.27%	16,700	28.44%
Total	100.00%	476,619	12.33%	58,800	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Southeastern Utah Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	57.38%	16,920	9.63%	1,600	27.83%
Over 50	42.62%	12,567	33.71%	4,200	72.17%
Total	100.00%	29,487	19.87%	5,900	100.00%
Sex					
Male	47.51%	14,009	19.79%	2,800	47.24%
Female	52.49%	15,478	19.95%	3,100	52.76%
Total Both Sexes	100.00%	29,487	19.87%	5,900	100.00%
Job Rating (Full Time Employees)					
Average or Below	24.51%	3,607	18.71%	700	42.68%
Above Average	57.01%	8,391	7.29%	600	38.65%
Excellent	18.48%	2,720	10.86%	300	18.67%
Total	100.00%	14,718	10.93%	1,600	100.00%
Annual Household Income					
<\$15,000	15.76%	4,647	39.34%	1,800	32.46%
\$15,000-\$35,000	35.67%	10,518	20.91%	2,200	39.42%
\$35,000-\$55,000	26.31%	7,758	13.76%	1,100	19.13%
Over \$55,000	22.26%	6,564	7.64%	500	8.99%
Total	100.00%	29,487	19.87%	5,900	100.00%
Household Savings					
2+ Months Annual Income Saved	45.02%	13,275	15.24%	2,000	37.42%
<2 Months Annual Income Saved	54.98%	16,212	20.92%	3,400	62.58%
Total	100.00%	29,487	19.87%	5,900	100.00%
Education Level					
Some HS	11.23%	3,311	47.54%	1,600	27.40%
HS Grad/Some College	59.61%	17,577	19.79%	3,500	60.40%
Tech/Voc Degree	7.05%	2,079	11.13%	200	4.03%
4Yr + College	22.11%	6,520	7.20%	500	8.17%
Total	100.00%	29,487	19.87%	5,900	100.00%
Insurance Status (Age 25-64)					
Insured	85.37%	19,913	13.30%	2,600	76.40%
Uninsured	14.63%	3,412	**	**	23.60%
Total	100.00%	23,325	14.96%	3,500	100.00%
Home Ownership					
Owns Home	82.94%	24,457	19.20%	4,700	80.22%
Renting	17.06%	5,030	23.00%	1,200	19.78%
Total	100.00%	29,487	19.87%	5,900	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Southwestern Utah Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons¹	Percentage Distribution Across Categories
Age Categories					
25-49	55.45%	34,982	5.69%	2,000	22.11%
Over 50	44.55%	28,106	24.87%	7,000	77.89%
Total	100.00%	63,088	14.24%	9,000	100.00%
Sex					
Male	48.18%	30,396	14.33%	4,400	48.42%
Female	51.82%	32,692	14.16%	4,600	51.58%
Total Both Sexes	100.00%	63,088	14.24%	9,000	100.00%
Job Rating (Full Time Employees)					
Average or Below	17.08%	5,150	10.08%	500	40.08%
Above Average	58.56%	17,659	3.49%	600	47.52%
Excellent	24.36%	7,346	2.19%	200	12.40%
Total	100.00%	30,155	4.27%	1,300	100.00%
Annual Household Income					
<\$15,000	9.04%	5,703	30.10%	1,700	21.74%
\$15,000-\$35,000	37.84%	23,872	17.50%	4,200	53.79%
\$35,000-\$55,000	32.75%	20,661	6.71%	1,400	17.83%
Over \$55,000	20.37%	12,851	4.01%	500	6.64%
Total	100.00%	63,088	14.24%	9,000	100.00%
Household Savings					
2+ Months Annual Income Saved	47.88%	30,207	12.21%	3,700	47.31%
<2 Months Annual Income Saved	52.12%	32,881	12.53%	4,100	52.69%
Total	100.00%	63,088	14.24%	9,000	100.00%
Education Level					
Some HS	5.89%	3,716	24.71%	900	10.16%
HS Grad/Some College	58.45%	36,875	15.52%	5,700	64.75%
Tech/Voc Degree	5.56%	3,508	**	**	4.65%
4Yr + College	30.10%	18,989	9.52%	1,800	20.44%
Total	100.00%	63,088	14.24%	9,000	100.00%
Insurance Status (Age 25-64)					
Insured	81.55%	37,544	6.86%	2,600	70.63%
Uninsured	18.45%	8,494	12.59%	1,100	29.37%
Total	100.00%	46,038	8.15%	3,800	100.00%
Home Ownership					
Owns Home	82.48%	52,035	14.72%	7,700	85.70%
Renting	17.52%	11,053	11.55%	1,300	14.30%
Total	100.00%	63,088	14.24%	9,000	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Summit County Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	71.24%	9,550	4.11%	400	38.62%
Over 50	28.76%	3,855	16.17%	600	61.38%
Total	100.00%	13,405	7.58%	1,000	100.00%
Sex					
Male	50.59%	6,782	7.65%	500	51.07%
Female	49.41%	6,623	7.50%	500	48.93%
Total Both Sexes	100.00%	13,405	7.58%	1,000	100.00%
Job Rating (Full Time Employees)					
Average or Below	12.58%	1,037	6.60%	100	19.49%
Above Average	67.39%	5,554	3.56%	200	56.25%
Excellent	20.04%	1,651	5.16%	100	24.26%
Total	100.01%	8,241	4.24%	300	100.00%
Annual Household Income					
<\$15,000	4.38%	587	**	**	22.36%
\$15,000-\$35,000	17.57%	2,355	9.83%	200	24.93%
\$35,000-\$55,000	27.96%	3,748	5.77%	200	23.25%
Over \$55,000	50.08%	6,713	4.08%	300	29.46%
Total	99.99%	13,405	7.58%	1,000	100.00%
Household Savings					
2+ Months Annual Income Saved	61.01%	8,178	5.91%	500	54.27%
<2 Months Annual Income Saved	38.99%	5,227	7.80%	400	45.73%
Total	100.00%	13,405	7.58%	1,000	100.00%
Education Level					
Some HS	2.65%	355	**	**	10.92%
HS Grad/Some College	46.09%	6,178	10.34%	600	62.64%
Tech/Voc Degree	4.72%	633	**	**	3.29%
4Yr + College	46.55%	6,240	3.78%	200	23.15%
Total	100.01%	13,405	7.58%	1,000	100.00%
Insurance Status (Age 25-64)					
Insured	92.50%	11,093	5.02%	600	78.17%
Uninsured	7.50%	899	**	**	21.83%
Total	100.00%	11,992	5.99%	700	100.00%
Home Ownership					
Owns Home	85.84%	11,507	8.03%	900	93.08%
Renting	14.16%	1,898	3.62%	100	6.92%
Total	100.00%	13,405	7.58%	1,000	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Tooele County Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	58.69%	9,004	9.65%	900	33.79%
Over 50	41.31%	6,337	26.95%	1,700	66.21%
Total	100.00%	15,341	16.79%	2,600	400
Sex					
Male	49.30%	7,563	15.20%	1,100	44.71%
Female	50.70%	7,778	18.33%	1,400	55.29%
Total Both Sexes	100.00%	15,341	16.79%	2,600	100.00%
Job Rating (Full Time Employees)					
Average or Below	20.43%	1,803	13.64%	200	32.25%
Above Average	56.80%	5,012	7.49%	400	49.24%
Excellent	22.77%	2,009	7.03%	100	18.51%
Total	100.00%	8,824	8.78%	800	100.00%
Annual Household Income					
<\$15,000	6.93%	1,063	42.82%	500	19.71%
\$15,000-\$35,000	27.42%	4,207	23.27%	1,000	42.19%
\$35,000-\$55,000	37.13%	5,696	8.28%	500	20.43%
Over \$55,000	28.52%	4,375	9.32%	400	17.67%
Total	100.00%	15,341	16.79%	2,600	100.00%
Household Savings					
2+ Months Annual Income Saved	42.55%	6,528	11.11%	700	32.60%
<2 Months Annual Income Saved	57.45%	8,813	17.05%	1,500	67.40%
Total	100.00%	15,341	16.79%	2,600	100.00%
Education Level					
Some HS	9.23%	1,416	38.38%	500	21.12%
HS Grad/Some College	65.92%	10,113	15.78%	1,600	62.06%
Tech/Voc Degree	6.15%	943	18.40%	200	6.75%
4Yr + College	18.70%	2,869	9.02%	300	10.07%
Total	100.00%	15,341	16.79%	2,600	100.00%
Insurance Status (Age 25-64)					
Insured	93.11%	11,559	12.69%	1,500	91.52%
Uninsured	6.89%	855	**	**	8.48%
Total	100.00%	12,414	12.88%	1,600	100.00%
Home Ownership					
Owns Home	82.39%	12,639	17.01%	2,100	83.61%
Renting	17.61%	2,702	15.57%	400	16.39%
Total	100.00%	15,341	16.79%	2,600	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Tri-County Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	60.56%	12,185	9.34%	1,100	34.70%
Over 50	39.44%	7,936	27.00%	2,100	65.30%
Total	100.00%	20,121	16.31%	3,300	100.00%
Sex					
Male	48.95%	9,849	14.97%	1,500	44.94%
Female	51.05%	10,272	17.58%	1,800	55.06%
Total Both Sexes	100.00%	20,121	16.31%	3,300	100.00%
Job Rating (Full Time Employees)					
Average or Below	18.43%	2,007	11.35%	200	26.51%
Above Average	59.93%	6,528	7.73%	500	58.71%
Excellent	21.64%	2,357	5.39%	100	14.78%
Total	100.00%	10,892	7.84%	900	100.00%
Annual Household Income					
<\$15,000	16.85%	3,390	36.02%	1,200	36.53%
\$15,000-\$35,000	38.57%	7,761	15.76%	1,200	36.59%
\$35,000-\$55,000	29.52%	5,940	11.08%	700	19.70%
Over \$55,000	15.07%	3,032	7.91%	200	7.18%
Total	100.01%	20,121	16.31%	3,300	100.00%
Household Savings					
2+ Months Annual Income Saved	30.98%	6,233	13.99%	900	26.11%
<2 Months Annual Income Saved	69.02%	13,888	17.76%	2,500	73.89%
Total		20,121	16.31%	3,300	100.00%
Education Level					
Some HS	13.59%	2,734	41.31%	1,100	34.41%
HS Grad/Some College	64.68%	13,014	13.70%	1,800	54.31%
Tech/Voc Degree	5.05%	1,016	**	**	4.72%
4Yr + College	16.68%	3,356	6.41%	200	6.55%
Total	100.00%	20,121	16.31%	3,300	99.99%
Insurance Status (Age 25-64)					
Insured	81.26%	13,394	11.89%	1,600	75.41%
Uninsured	18.74%	3,089	**	**	24.59%
Total	100.00%	16,483	12.75%	2,100	100.00%
Home Ownership					
Owns Home	80.77%	16,252	15.87%	2,600	80.10%
Renting	19.23%	3,869	16.56%	600	19.90%
Total	100.00%	20,121	16.31%	3,300	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Utah County Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	68.69%	104,694	5.39%	5,600	39.87%
Over 50	31.31%	47,721	17.83%	8,500	60.13%
Total	100.00%	152,415	9.28%	14,100	100.00%
Sex					
Male	49.02%	74,714	8.72%	6,500	46.02%
Female	50.98%	77,701	9.83%	7,600	53.98%
Total Both Sexes	100.00%	152,415	9.28%	14,100	100.00%
Job Rating (Full Time Employees)					
Average or Below	16.39%	14,350	6.97%	1,000	21.12%
Above Average	63.43%	55,536	4.63%	2,600	54.26%
Excellent	20.18%	17,668	6.61%	1,200	24.63%
Total	100.00%	87,554	5.38%	4,700	100.01%
Annual Household Income					
<\$15,000	5.69%	8,672	**	**	12.35%
\$15,000-\$35,000	27.59%	42,051	12.74%	5,400	39.96%
\$35,000-\$55,000	35.87%	54,671	8.72%	4,800	35.53%
Over \$55,000	30.85%	47,020	3.47%	1,600	12.16%
Total	100.00%	152,415	9.28%	14,100	100.00%
Household Savings					
2+ Months Annual Income Saved	43.00%	65,538	7.73%	5,100	38.14%
<2 Months Annual Income Saved	57.00%	86,877	9.46%	8,200	61.86%
Total	100.00%	152,415	9.28%	14,100	100.00%
Education Level					
Some HS	5.17%	7,880	**	**	18.22%
HS Grad/Some College	48.64%	74,135	10.55%	7,800	55.90%
Tech/Voc Degree	5.68%	8,657	3.60%	300	2.23%
4Yr + College	40.52%	61,759	5.36%	3,300	23.65%
Total	100.01%	152,415	9.28%	14,100	100.00%
Insurance Status (Age 25-64)					
Insured	88.97%	115,041	6.83%	7,900	83.99%
Uninsured	11.03%	14,262	10.50%	1,500	16.01%
Total	100.00%	129,303	7.26%	9,400	100.00%
Home Ownership					
Owns Home	77.37%	117,923	8.13%	9,600	69.65%
Renting	22.63%	34,492	12.11%	4,200	30.35%
Total	100.00%	152,415	9.28%	14,100	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing val

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Wasatch Health District	Population Distribution of Utahns Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	62.04%	4,116	5.44%	200	32.11%
Over 50	37.96%	2,518	18.79%	500	67.89%
Total	100.00%	6,634	10.51%	700	100.00%
Sex					
Male	48.68%	3,229	9.89%	300	45.82%
Female	51.32%	3,405	11.09%	400	54.18%
Total Both Sexes	100.00%	6,634	10.51%	700	100.00%
Job Rating (Full Time Employees)					
Average or Below	19.32%	692	8.54%	100	29.96%
Above Average	60.27%	2,158	4.60%	100	50.31%
Excellent	20.41%	731	5.32%	50	19.73%
Total	100.00%	3,581	5.75%	200	100.00%
Annual Household Income					
<\$15,000	6.25%	415	46.75%	200	27.20%
\$15,000-\$35,000	34.89%	2,315	14.76%	300	47.93%
\$35,000-\$55,000	34.10%	2,262	6.16%	100	19.53%
Over \$55,000	24.76%	1,643	2.32%	50	5.35%
Total	100.00%	6,634	10.51%	700	100.01%
Household Savings					
2+ Months Annual Income Saved	47.83%	3,173	11.70%	400	53.59%
<2 Months Annual Income Saved	52.17%	3,461	9.29%	300	46.41%
Total	100.00%	6,634	10.51%	700	100.00%
Education Level					
Some HS	6.16%	409	26.00%	100	15.26%
HS Grad/Some College	61.40%	4,073	10.32%	400	60.40%
Tech/Voc Degree	4.93%	327	**	**	5.68%
4Yr + College	27.52%	1,826	7.12%	100	18.66%
Total	100.01%	6,634	10.51%	700	100.00%
Insurance Status (Age 25-64)					
Insured	86.41%	4,719	6.33%	300	80.37%
Uninsured	13.59%	742	**	**	19.63%
Total	100.00%	5,461	6.90%	400	100.00%
Home Ownership					
Owns Home	86.22%	5,720	11.11%	600	91.10%
Renting	13.78%	914	6.79%	100	8.90%
Total	100.00%	6,634	10.51%	700	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

Fair/Poor Health Status by Local Health District and Selected Demographic
and SES Variables. Utahns Age 25 and Over, 1996.

Weber/Morgan Health District	Population Distribution of Persons in Health District, Age 25 and Over		Survey Estimates of Persons in Health District, Age 25 and Over, Who Are in Fair/Poor Health		
	Percentage Distribution	Number of Persons	Percentage in Each Category	Number of Persons ¹	Percentage Distribution Across Categories
Age Categories					
25-49	59.79%	64,737	10.14%	6,600	40.65%
Over 50	40.21%	43,537	22.03%	9,600	59.35%
Total	100.00%	108,274	14.92%	16,200	100.00%
Sex					
Male	48.89%	52,935	12.81%	6,800	41.87%
Female	51.11%	55,339	16.92%	9,400	58.13%
Total Both Sexes	100.00%	108,274	14.92%	16,200	100.00%
Job Rating (Full Time Employees)					
Average or Below	19.04%	12,110	12.52%	1,500	34.13%
Above Average	64.07%	40,752	6.51%	2,700	59.75%
Excellent	16.89%	10,743	2.57%	300	6.13%
Total	100.00%	63,605	7.16%	4,600	100.01%
Annual Household Income					
<\$15,000	8.35%	9,041	33.37%	3,000	20.34%
\$15,000-\$35,000	32.39%	35,070	15.18%	5,300	35.74%
\$35,000-\$55,000	29.23%	31,648	12.88%	4,100	27.35%
Over \$55,000	30.03%	32,515	7.56%	2,500	16.58%
Total	100.00%	108,274	14.92%	16,200	100.01%
Household Savings					
2+ Months Annual Income Saved	45.27%	49,016	10.07%	4,900	33.32%
<2 Months Annual Income Saved	54.73%	59,258	16.67%	9,900	66.68%
Total	100.00%	108,274	14.92%	16,200	100.00%
Education Level					
Some HS	6.48%	7,016	34.69%	**	15.61%
HS Grad/Some College	62.58%	67,758	15.33%	10,400	66.31%
Tech/Voc Degree	4.57%	4,948	**	**	3.53%
4Yr + College	26.37%	28,552	7.96%	2,300	14.56%
Total	100.00%	108,274	14.92%	16,200	100.01%
Insurance Status (Age 25-64)					
Insured	89.62%	77,848	10.96%	8,500	82.03%
Uninsured	10.38%	9,017	20.70%	1,900	17.97%
Total	100.00%	86,865	11.96%	10,400	100.00%
Home Ownership					
Owns Home	82.44%	89,261	14.10%	12,600	77.97%
Renting	17.56%	19,013	18.64%	3,500	22.03%
Total	100.00%	108,274	14.92%	16,200	100.00%

¹ Rounded to the nearest 100 persons. Totals in this column may not sum due to missing values on the grouping variable.

** Estimates are not reported due to small sample size.

TECHNICAL NOTES

General Technical Background to the 1996 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:

Bureau of Surveillance and Analysis
Office of Public Health Data
Utah Department of Health
288 North 1460 West
Box 142875
Salt Lake City, UT 84114-2875
Phone: (801) 538-6108
E-mail: hlhda.phdata@state.ut.us

Sample Design

The 1996 Utah Health Status Survey represents the third such survey; previous surveys were conducted in 1986 and 1991. The statistical estimates in this report are based on *1996 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 approximately 6,300 households disproportionately stratified by twelve local health districts that cover the entire state. Five hundred household interviews were conducted in each health district, except Salt Lake City/County Health District, in which eight hundred household interviews were conducted in order to increase the precision of statewide estimates.

A **single stage, non-clustered, equal probability of selection telephone calling design** was used to generate telephone numbers, more specifically referred to as the *Casady-Lepkowski* (1993) calling design. 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 survey interview was conducted with **one randomly-selected adult** (age 18 or older) in each household. To select this person, Gallup interviewers collected household membership information from the household contact person (the person who answered the telephone). One household member was then selected at random 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 (selected using the same method as was used to select the respondent), or 4) the household as a whole. Thus, the survey sample varies, depending on the within-household reference sample that was used for each set of survey questions. Each within-household reference sample has known probabilities of selection and can be generalized to the Utah population.

Survey Data Collection

The Utah Department of Health contracted with The Gallup Organization to collect the survey data. Gallup incorporated the telephone survey instrument into a **computer-assisted random digit dialing software program**, called SURVENT. Interviews were conducted by trained interviewers in a supervised environment across six sites. Interviews were conducted in Spanish when appropriate.

Computer-assisted telephone interviewing was chosen as the method of data collection for several reasons. First, it yields higher 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.

The survey questionnaire was divided into *core* and *supplemental modules*. Core questions were asked of all households in the sample. Table 1 describes the types of “core” questions that were asked, and about whom they were asked. Notice that *not all questions were asked with regard to everyone in the household*.

Table 1.
CORE MODULE QUESTIONS

<u>Question Topic</u>	<u>Within-Household Reference Sample</u>
Demographic characteristics	All household members
Presence of chronic medical condition	All household members
Health insurance status	All household members
Injury incidence/safety issues	All household members
Lifestyle (smoking, drinking, exercise)	All household members
Subjective mental/physical health (SF12)	Respondent only (randomly-selected adult)
Health screening exam usage	Respondent only (randomly-selected adult)
Access to care/primary provider	Randomly-selected household member of any age
Household-level demographic characteristics	The household as a whole

In addition to the core survey questions (above), one of six different *supplemental modules* was administered to primarily non-overlapping randomly-assigned subsets of (approximately 1,000) households. Table 2 shows the types of questions asked in the supplemental module questions, and about whom they were asked.

Table 2.
SUPPLEMENTAL MODULE QUESTIONS

<u>Type of Question</u>	<u>Within-Household Reference Sample</u>
Limitations of activities	All household members
Migration	Respondent only (randomly-selected adult)
Health Plan Consumer Satisfaction	Respondent only (randomly-selected adult)
Fertility	Respondent or spouse only
Health Care Utilization	Randomly-selected household member of any age
Interpersonal violence	The household as a whole

*Note: All supplemental module questions were asked only of a subset of households.

While both core and supplemental modules yielded sufficient sample sizes to construct state-level estimates for the Utah population, the information collected from supplemental modules was not intended for use in district-level analyses.

Cooperation rate

The interview process took place over a three month period (from June to August, 1996), and resulted in a cooperation rate of 66.3%. If necessary, up to nine telephone attempts were made to contact a selected household. After a randomly-selected survey respondent was identified, up to nine attempts were made to conduct the interview with that person.

Weighting and Estimation 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 smaller local health districts across the state). Although the two types of adjustment are distinct conceptually, they were accomplished in a single step.

The post-survey weighting adjustments weighted the sample to be proportionately consistent with the age, sex, geographic, and Hispanic status distribution of the 1996 Utah population. Utah population estimates by sex, single year of age, and county of residence were provided by the Utah Governor's Office of Planning and Budget (GOPB) (the estimates used were those compiled in 1994). Estimates of Utah's Hispanic population for 1996 were derived by calculating the average annual rate of increase of Hispanic persons for each health district using data from 1990 to 1994 Bureau of the Census reports, and then projecting those increases to 1996 GOPB local health district population counts. Total state estimates for Hispanic persons were calculated by summing across local health districts.

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

1. The number of **phones** in the household.
2. The total **number of persons in the household** to which the data will be generalized (1 for questions that were asked about every household member, the number of adults in the household for questions that were asked only of the respondent, the number of persons in the household for questions that were asked of a randomly-selected household member).
3. The proportion of **Hispanic persons** in each local health district.
4. The **age and sex** distribution of each local health district.
5. The probabilities of selection for each **local health district**.

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. These total population group counts were readily available from the sources described earlier. However, for other groups where population counts were largely unavailable (e.g., analyses that examined the distribution of adult males by marital status), the population counts were estimated. This was achieved by multiplying the appropriate 1996 population total for that group (from 1996 GOPB estimates) by a proportion obtained from a frequency distribution or cross tabulation analysis of survey data. For instance, to calculate a population count for adult males who were married, the population of adult males from GOPB was multiplied by percentage of married adult males in the 1996 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 1996 Health Status Survey data, and must be considered estimates.

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, assumed that persons who gave these 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 90.47% of them were insured and 9.53% were not insured -- percentages identical to those found among the sample members who answered the question with a valid response.

Removing the missing cases from an analysis is rather simple and straightforward for analyses of a single variable. However, when one variable is cross-tabulated by another variable, all missing cases from both variables must be removed from the analysis. Removing the missing cases in itself is not a problem. However, a problem is encountered when a population estimate for a given variable, such as the percentage of all Utahns that have health insurance, differs slightly from an analysis of “all Utahns” versus an analysis of “all Utahns by age group.” This is because the missing cases on the age variable have been removed from one analysis and not from another. Since the percentage of all Utahns that have health insurance was calculated on slightly different samples, the resulting percentage estimates are slightly different. This problem was resolved by reporting the best population estimate available for any given population subgroup. For instance, in the table of insurance rates for all Utahns by age, the population estimate from an analysis that includes Utahns of all ages, regardless of whether they reported missing values on the age variable has been substituted for the original total row in that table. The only drawback to this strategy is that the population count figures for Utahns with and without health insurance in tables like the “Utahns by Age Group” table do

not sum to the same number derived from the analysis of all Utahns regardless of whether they had missing values on the age variable. As a result, the tables appear as though they do not “add up.”

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 in the entire population. It is often mis-termed “margin of error” in popular use. Sampling error is expressed 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 size n 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 Bill Clinton was 52%, plus or minus 2%.”

Because local health districts were disproportionately stratified and then weighted to reflect the Utah population, the sample was considered a complex survey sample design. Estimating the sampling error for a complex survey design requires special statistical techniques, derived from the standard error for each estimate. SUDAAN software (Research Triangle Institute) was chosen 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 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 than $n=50$. 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 are unable to provide 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.

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 1996 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, including 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, new survey 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 “nonphone” households, allowing health status survey estimates that have been corrected for telephone noncoverage bias to be produced where indicated.

BIBLIOGRAPHY

- Adler, N.E., Boyce, T., Chesney, M.A., Cohen, S., Folkman, S., Kahn, R.L. and Syme, L. (1994) Socioeconomic Status and Health: the challenge of the gradient. American Journal of Psychology, 49, 15-24.
- Casady, R.J. & Lepkowski, J.M. (1993) Stratified telephone survey designs. Survey Methodology, 19 (1) 103-113.
- Eller, T.J. (1994) Household wealth and asset ownership: 1991. US Bureau of the Census. Current Population Reports, Ser. 70-34. Washington, DC: US GPO
- Keeter, S. (1995) Estimating telephone noncoverage bias with a telephone survey. Public Opinion Quarterly, 59, 196-217.
- Krieger, N., Williams, D.R. and Moss, N.E. (1997) Measuring Social Class in US Public Health Research: concepts, methodologies and guidelines. Annual Review of Public Health, 18, 341-378.
- Pappas, G., Queen, S., Hadden, W. and Fisher, G. (1993) The Increasing Disparity in Mortality Between Socioeconomic Groups in the United States, 1960 and 1986. New England Journal of Medicine, 329, 103-109.
- Thornberry, O.T. & Massey J.T. (1988) Trends in United States telephone coverage across time and subgroups. In Robert M. Groves, Paul P. Biemer, Lar E. Lyberg, James T. Massey, William L. Nichols II, and Joseph Waksberg (eds.) Telephone Survey Methodology. New York: John Wiley and Sons.
- Ware, J.E., Jr., Kosinski, M. and Keller, S.D. (1996) A 12-item short-form health survey: Construction of scales and preliminary tests of reliability and validity. Medical Care, 34 (3), 220-233.