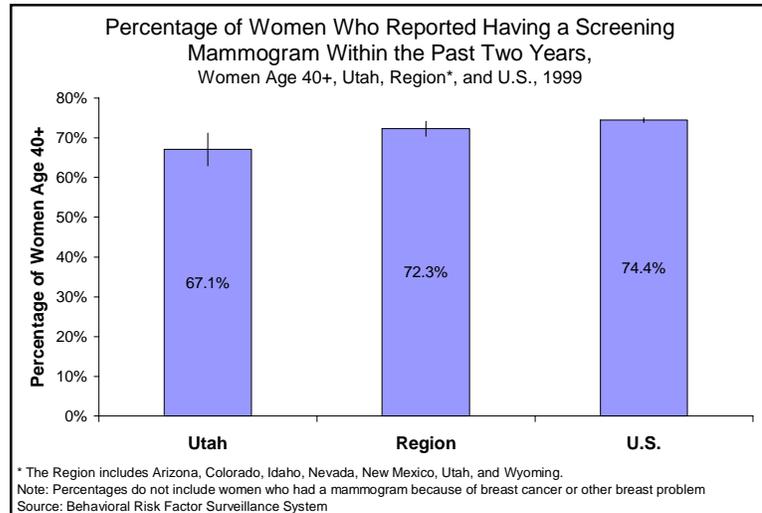


Screening Mammography

Questions: A mammogram is an x-ray of each breast to look for cancer. Have you ever had a mammogram? How long has it been since you had your last mammogram?

Breast cancer is the most common cancer among U.S. women and a leading cause of female cancer death in both Utah and the U.S. Deaths from breast cancer can be substantially reduced if the tumor is discovered early. Mammography is currently the best method for early detection of malignancies. Clinical trials have demonstrated that routine screening with mammography can reduce breast cancer deaths.¹ During the 2000 Utah legislative session a resolution was passed encouraging private health insurance companies and employers to cover screening for breast cancer. Many states, however, have mandated that private insurers cover screening mammography.



- There was a significant increase in the percentage of Utah women age 40 and older who reported a mammogram within the preceding 2 years from 51.8% in 1989 to 67.1% in 1999.
- The percentage of women age 40 and older who reported a screening mammogram within the preceding 2 years increased significantly for the Region and U.S.
- All trend lines include a significant non-linear component, which suggests a leveling off in the upward linear trend in recent years.
- Since 1994, Utah has fallen behind the Region and the U.S. in the estimated percentage of women age 40 and older who reported a screening mammogram within the preceding 2 years.
- In 1999, in Utah, 66.4% of women aged 50 and over reported having a mammogram and clinical breast exam in the past 2 years, which surpassed the Healthy People 2000 goal of 60%.

Utah Objective: By 2010, increase the proportion of Utah women aged 40 years and older who have received a mammogram in the preceding two years to 85%.

HP2000 Goal 16.11: Increase to at least 60% those women aged 50 and older who have received a clinical breast examination and mammogram within the preceding 1 to 2 years.

HP2010 Goal 3-13: Increase the proportion of women aged 40 years and older who received a mammogram within the preceding 2 years to 70%.

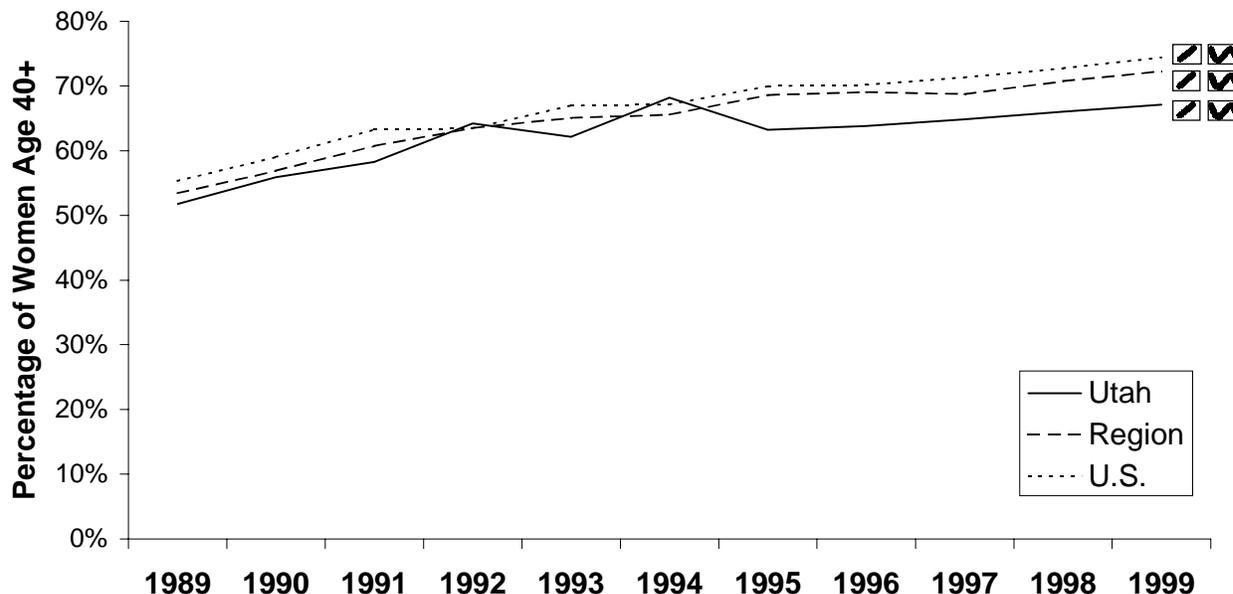
CDI 26: Mammography utilization among women 50 years of age and older (percentage of women 50+ who report having a mammogram within the past 2 years).

CDI 27: Mammography utilization among women 40-49 years of age (percentage of women 40-49 years of age who report having a mammogram within the past two years).

CHSI: Mammography screening among women 50+, past 2 years.

Screening Mammography

Percentage of Women Who Reported Having a Screening Mammogram Within the Past Two Years, Women Age 40+, Utah, Region*, and U.S., 1989-1999



* The Region includes Arizona, Colorado, Idaho, Nevada, New Mexico, Utah, and Wyoming.

Note: Percentages do not include women who had a mammogram because of breast cancer or other breast problem

Not all states participated in the BRFSS until 1994 (see Appendix A)

Source: Behavioral Risk Factor Surveillance System

Year	Utah			Region			U.S.		
	Percentage of Women Age 40+	95% Confidence Intervals		Percentage of Women Age 40+	95% Confidence Intervals		Percentage of Women Age 40+	95% Confidence Intervals	
		Lower	Upper		Lower	Upper		Lower	Upper
1989	51.8%	46.8%	56.7%	53.4%	50.5%	56.3%	55.3%	54.2%	56.4%
1990	55.9%	51.2%	60.6%	56.9%	54.4%	59.4%	59.0%	58.0%	60.0%
1991	58.3%	53.4%	63.1%	60.7%	58.3%	63.2%	63.3%	62.4%	64.2%
1992	64.2%	59.9%	68.6%	63.5%	61.3%	65.8%	63.5%	62.7%	64.3%
1993	62.2%	57.4%	66.9%	65.1%	62.9%	67.3%	67.0%	66.2%	67.7%
1994	68.2%	63.5%	72.8%	65.5%	63.4%	67.7%	67.1%	66.4%	67.9%
1995	63.2%	59.0%	67.5%	68.6%	66.6%	70.6%	70.0%	69.2%	70.7%
1996	63.8%	59.9%	67.8%	69.1%	67.0%	71.1%	70.2%	69.5%	70.8%
1997	64.9%	60.5%	69.2%	68.7%	66.6%	70.8%	71.3%	70.7%	72.0%
1998	66.0%	61.9%	70.1%	70.7%	68.2%	73.2%	72.7%	72.1%	73.3%
1999	67.1%	63.0%	71.2%	72.3%	70.4%	74.2%	74.4%	73.8%	75.0%

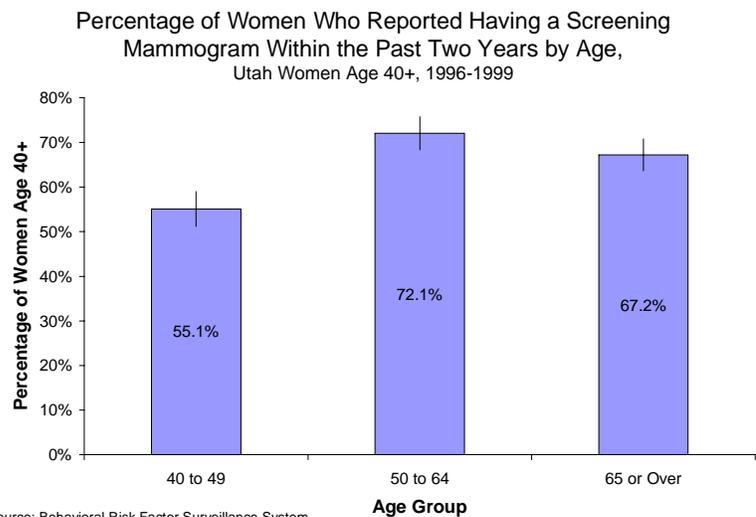
*Percentages do not include women who had a mammogram because of breast cancer or other breast problem.

 upward linear trend

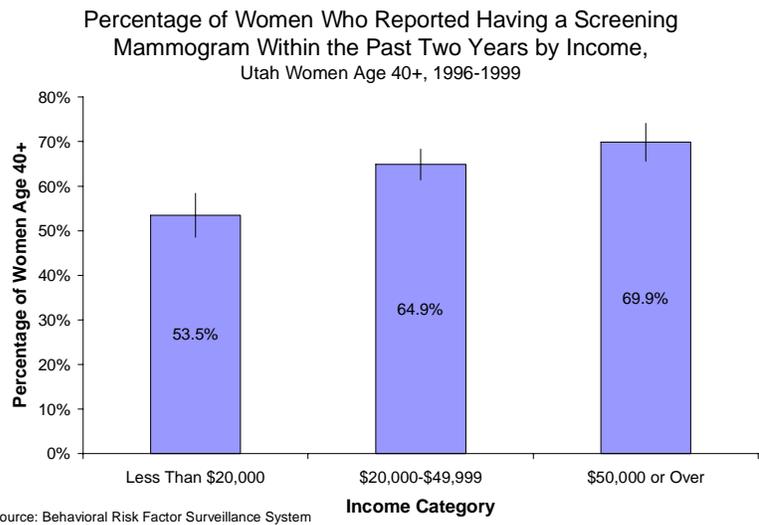
 non-linear trend

Screening Mammography

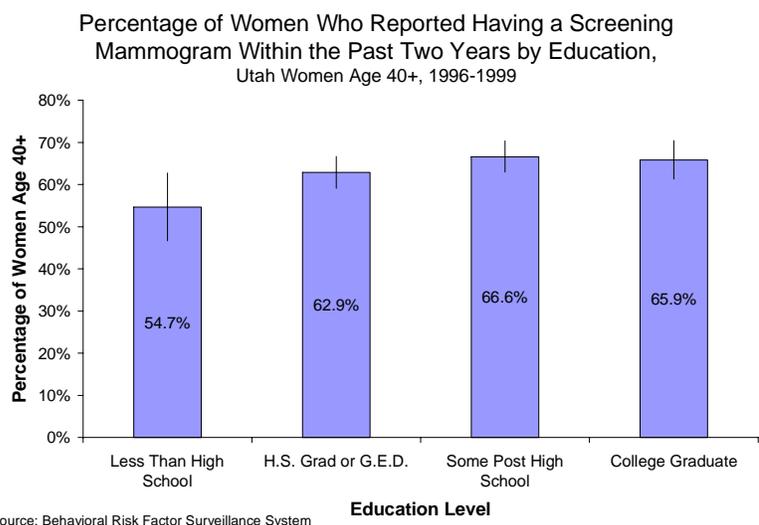
- Utah women in the 40 to 49 year age range were less likely than those 50 years and older to report having a screening mammogram in the past two years. ($p < 0.0001$)



- Utah women with annual household incomes less than \$20,000 were less likely to report having a screening mammogram in the past two years compared to higher income groups. ($p < 0.0001$)



- The estimated percentage of Utah women age 40 and over who reported a screening mammogram in the past two years increased with increasing education. ($p = 0.0097$)



Screening Mammography

Percentage of Women Who Reported Having a Screening Mammogram*
 Within the Past Two Years
 by Selected Demographic Characteristics, Utah Women Age 40+, 1996-1999.

Demographic Subgroup	Utah Population		Survey Estimates of Women Age 40+ Who Reported Having a Screening Mammogram Within the Past Two Years					
	Distribution	Number of Women Age 40+ ¹	Percentage of Women Age 40+ Who Reported Having a Screening Mammogram Within the Past Two Years	95% Confidence Intervals			Number of Women Age 40+ ^{1, 2}	Distribution of Women Age 40+ Who Reported Having a Screening Mammogram Within the Past Two Years by Category
				Lower	Upper			
Had Mammogram								
Within the Past Year	48.6%	164,700						
1 to 2 Years Ago	15.7%	53,300						
2 to 3 Years Ago	7.6%	25,900						
3 to 5 Years Ago	5.1%	17,200						
5 or More Years Ago	4.9%	16,600						
Never	18.1%	61,300						
Total, All Women Age 40+	100.0%	339,100						
Age Group								
40 to 49	37.1%	125,600	55.1%	51.2%	59.0%	69,200	31.7%	
50 to 64	33.7%	114,100	72.1%	68.4%	75.8%	82,200	37.7%	
65 or Over	29.3%	99,300	67.2%	63.6%	70.8%	66,700	30.6%	
Total, All Women Age 40+	100.0%	339,100	64.3%	62.1%	66.5%	218,000	100.0%	
Race								
White, Non-Hispanic	93.7%	317,600	64.7%	62.5%	66.9%	205,500	94.2%	
Hispanic	4.2%	14,300	58.7%	47.6%	69.7%	8,400	3.8%	
Non-White, Non-Hispanic	2.1%	7,200	59.6%	43.7%	75.6%	4,300	2.0%	
Total, All Women Age 40+	100.0%	339,100	64.3%	62.1%	66.5%	218,000	100.0%	
Income								
Less Than \$20,000	21.5%	72,700	53.5%	48.5%	58.4%	38,900	17.9%	
\$20,000-\$49,999	46.6%	157,900	64.9%	61.4%	68.3%	102,400	47.2%	
\$50,000 or Over	32.0%	108,500	69.9%	65.6%	74.1%	75,800	34.9%	
Total, All Women Age 40+	100.0%	339,100	64.3%	62.1%	66.5%	218,000	100.0%	
Education								
Less Than High School	7.2%	24,400	54.7%	46.7%	62.7%	13,300	6.1%	
H.S. Grad or G.E.D.	34.3%	116,400	62.9%	59.1%	66.7%	73,200	33.6%	
Some Post High School	35.6%	120,800	66.6%	63.0%	70.3%	80,500	36.9%	
College Graduate	22.9%	77,500	65.9%	61.3%	70.5%	51,100	23.4%	
Total, All Women Age 40+	100.0%	339,100	64.3%	62.1%	66.5%	218,000	100.0%	

1 Rounded to the nearest 100 persons.

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

*Percentages do not include women who had a mammogram because of breast cancer or other breast problem.

Source: Utah Behavioral Risk Factor Surveillance System