

Overview of Utah Cancer Screening and Staging

April 28, 2011



UTAH DEPARTMENT OF
HEALTH



UNIVERSITY OF UTAH
HEALTH SCIENCES

Utah Cancer Registry

Produced by the Data Acquisition, Utilization, and Management Team



**BREAST CANCER SCREENING
MAMMOGRAM**

Table 1. Current Mammography Trends

Year	Utah	US
2006	67.81%	76.14%
2007	67.29%	76.10%
2008	67.20%	76.22%
2010	66.36%	NA

Source: BRFSS

BREAST CANCER SCREENING

Mammography in the past 2 years

Utah Women 40+

2010
66.4%

Target
81.1%

Significant Difference?

<u>Age</u>	<u>Race/Ethnicity</u>	<u>Geography</u>	<u>Insurance</u>	<u>Sex</u>	<u>Education</u>
Yes	No	No	Yes	N/A	Yes

Figure 1. Mammography within the Past Two Years, Women Ages 40 and Older, BRFSS 2010

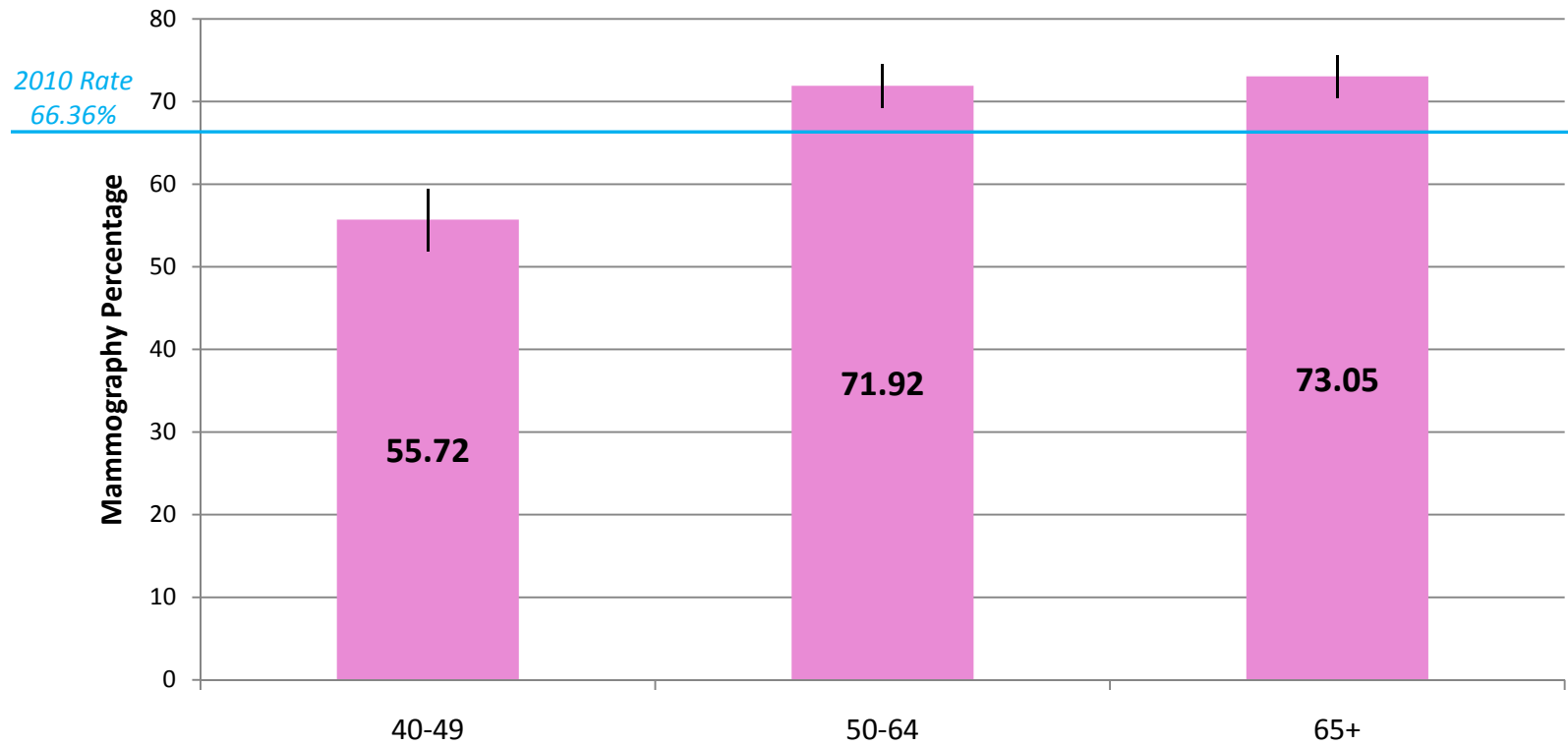
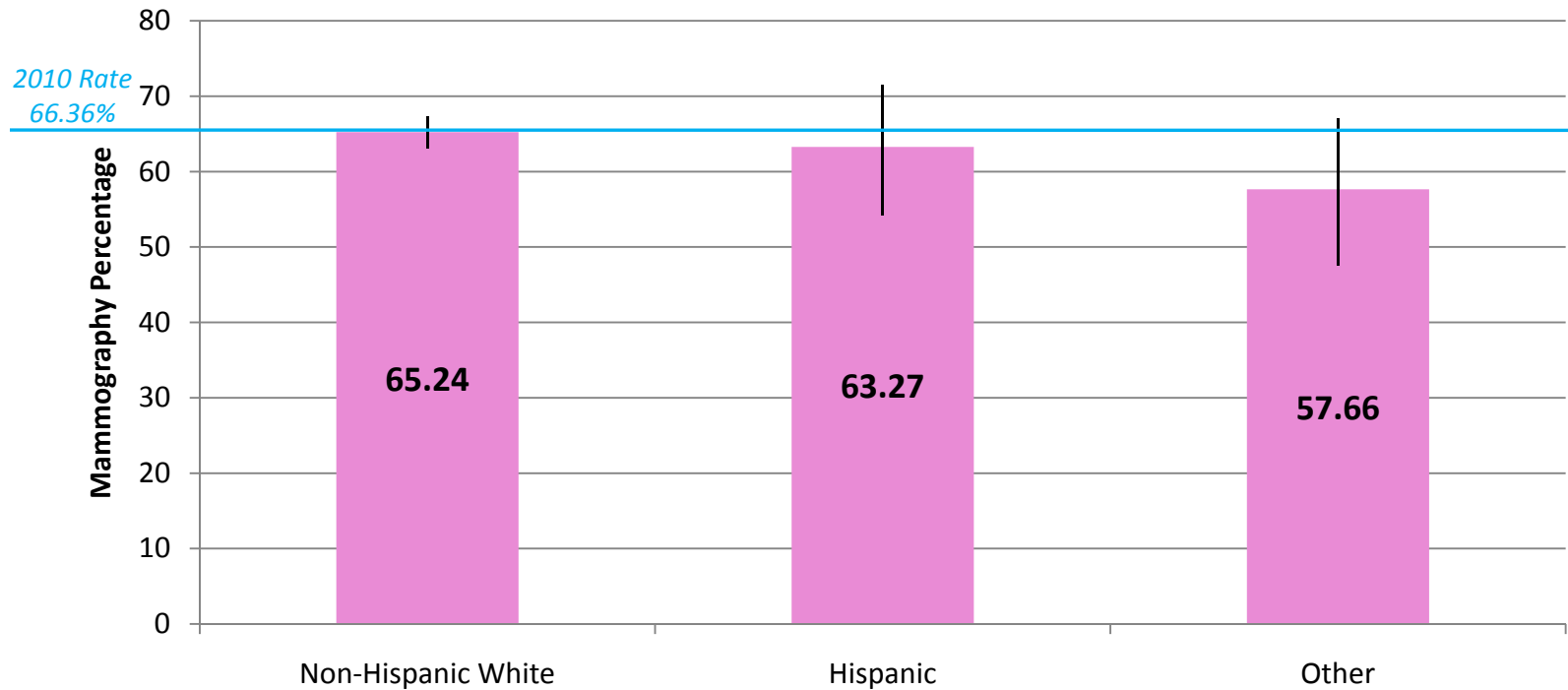
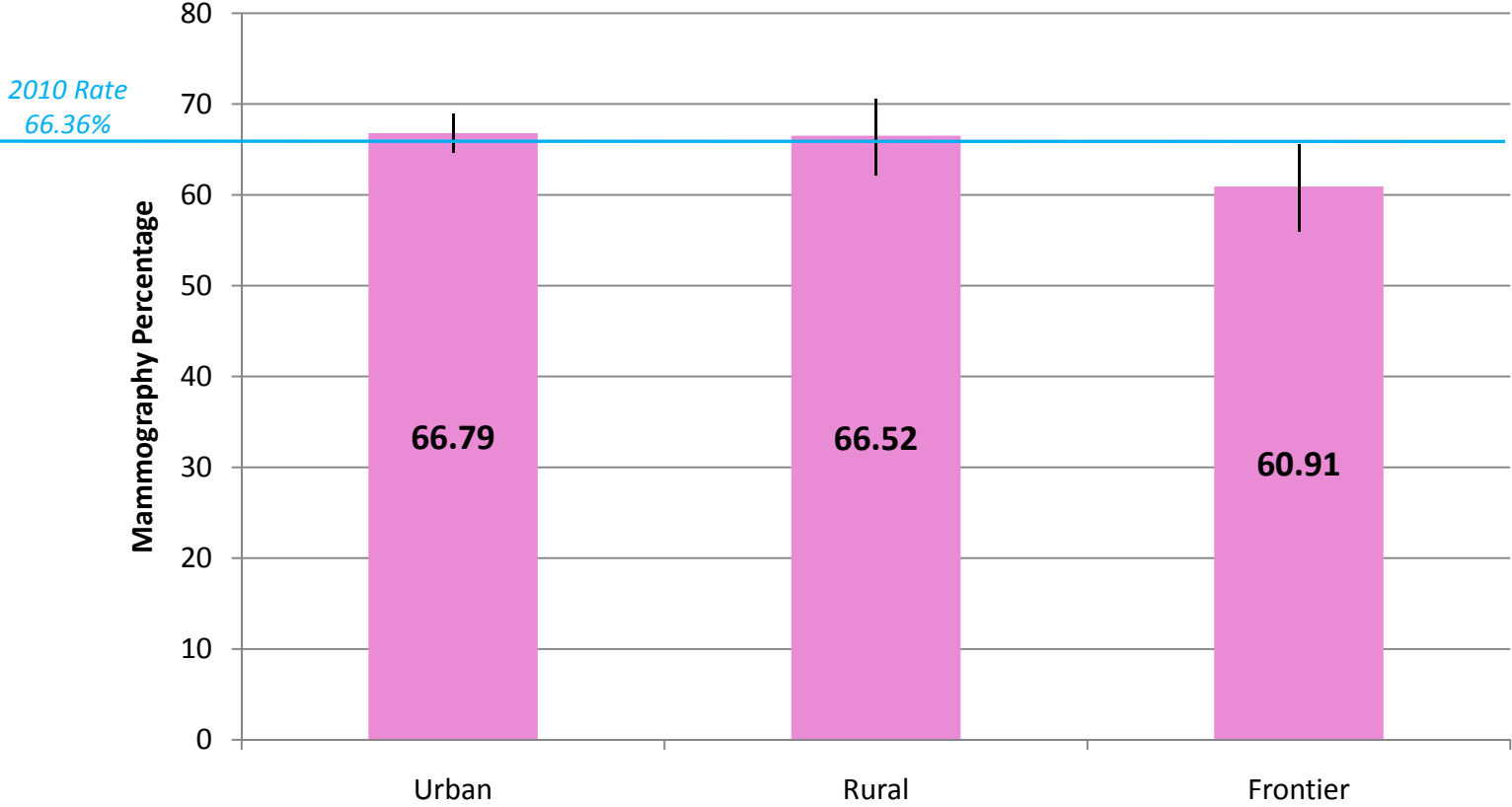


Figure 2. Mammography within the Past Two Years*, Women Ages 40 and Older, by Race/Ethnicity, BRFSS 2010



*Estimates are age-adjusted to the 2000 US standard population.

Figure 3. Mammography within the Past Two Years*, Women Ages 40 and Older, by Geographic Area, BRFSS 2010



*Estimates are age-adjusted to the 2000 US standard population.

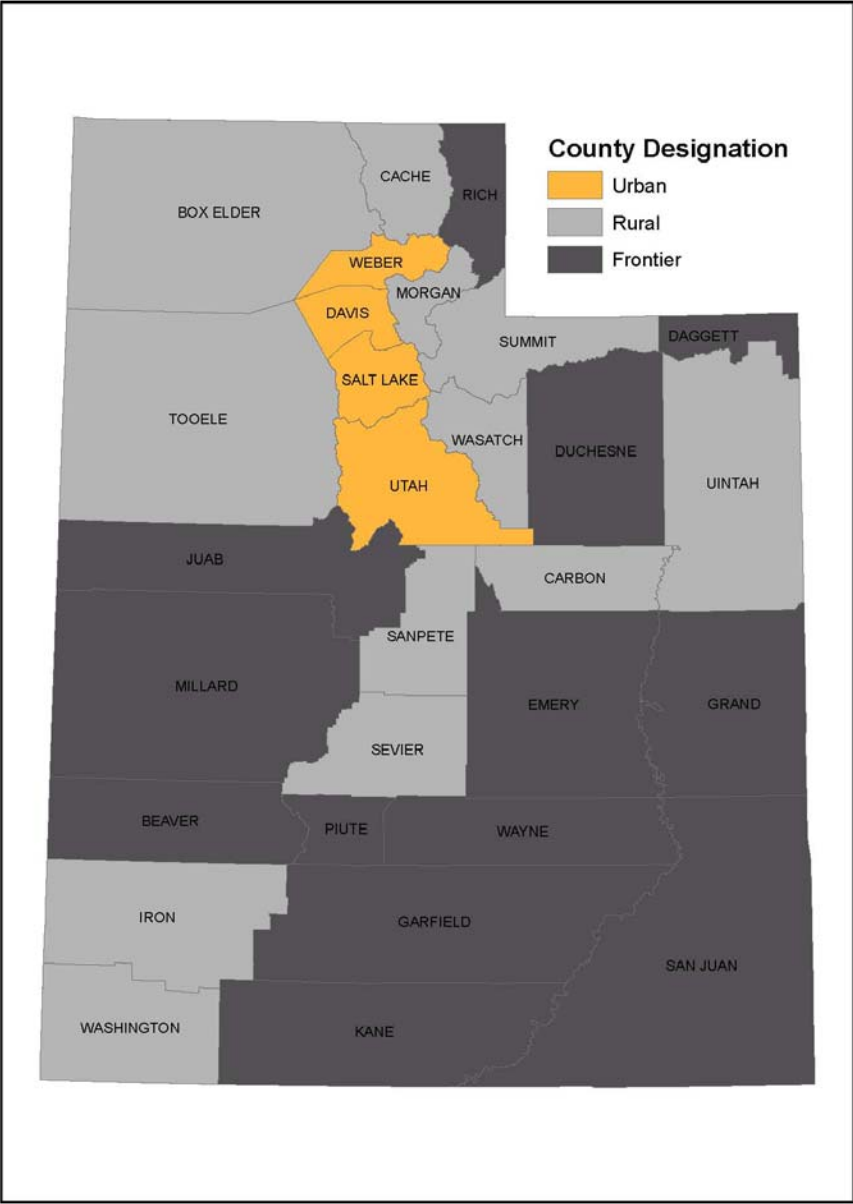
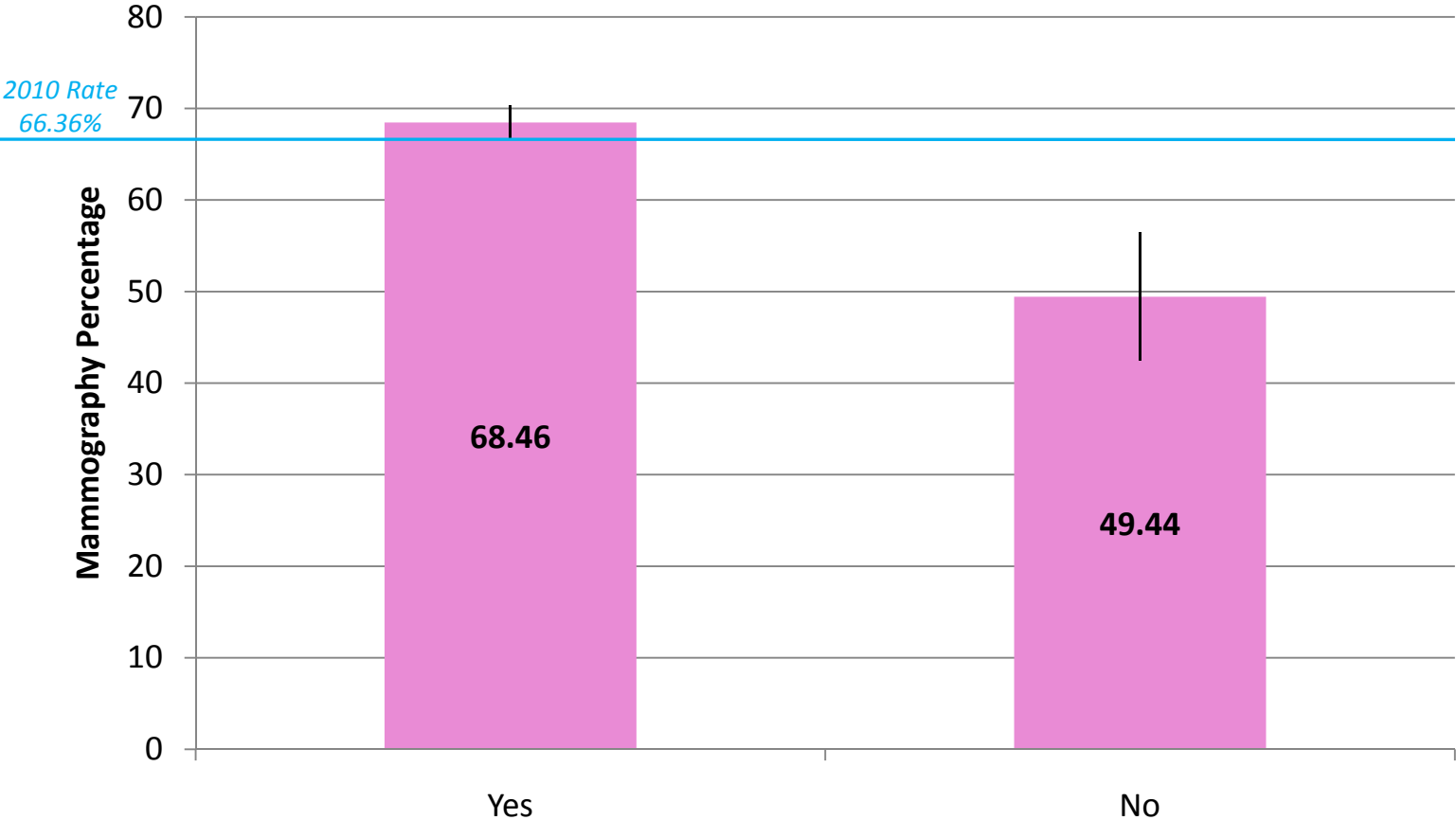
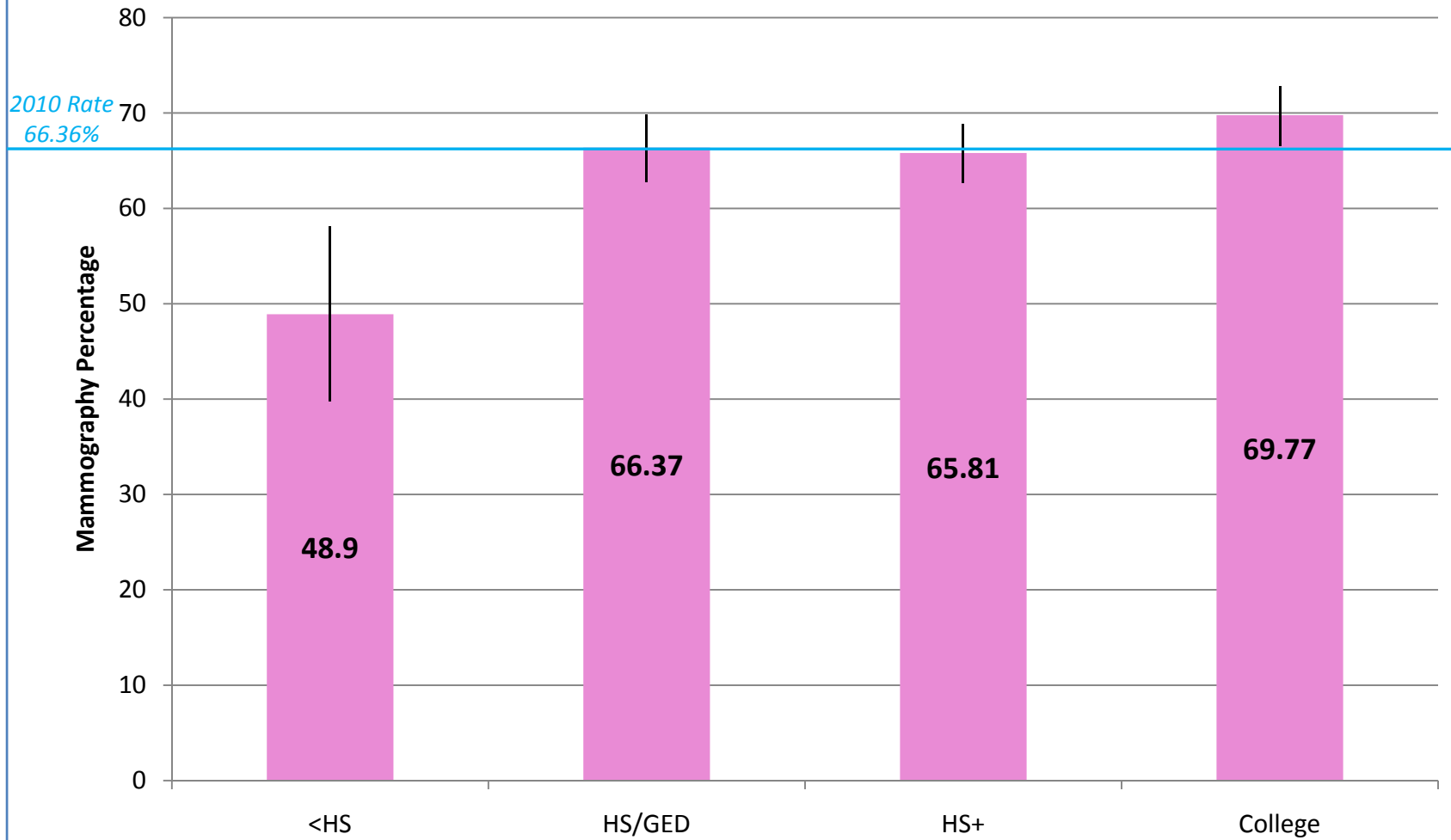


Figure 4. Mammography within the Past Two Years*, Utah Women Ages 40 and Older, by Insurance Status, BRFSS 2010



*Estimates are age-adjusted to the 2000 US standard population.

Figure 5. Mammography within the Past Two Years*, Women 40 and Older, by Education, BRFSS 2010



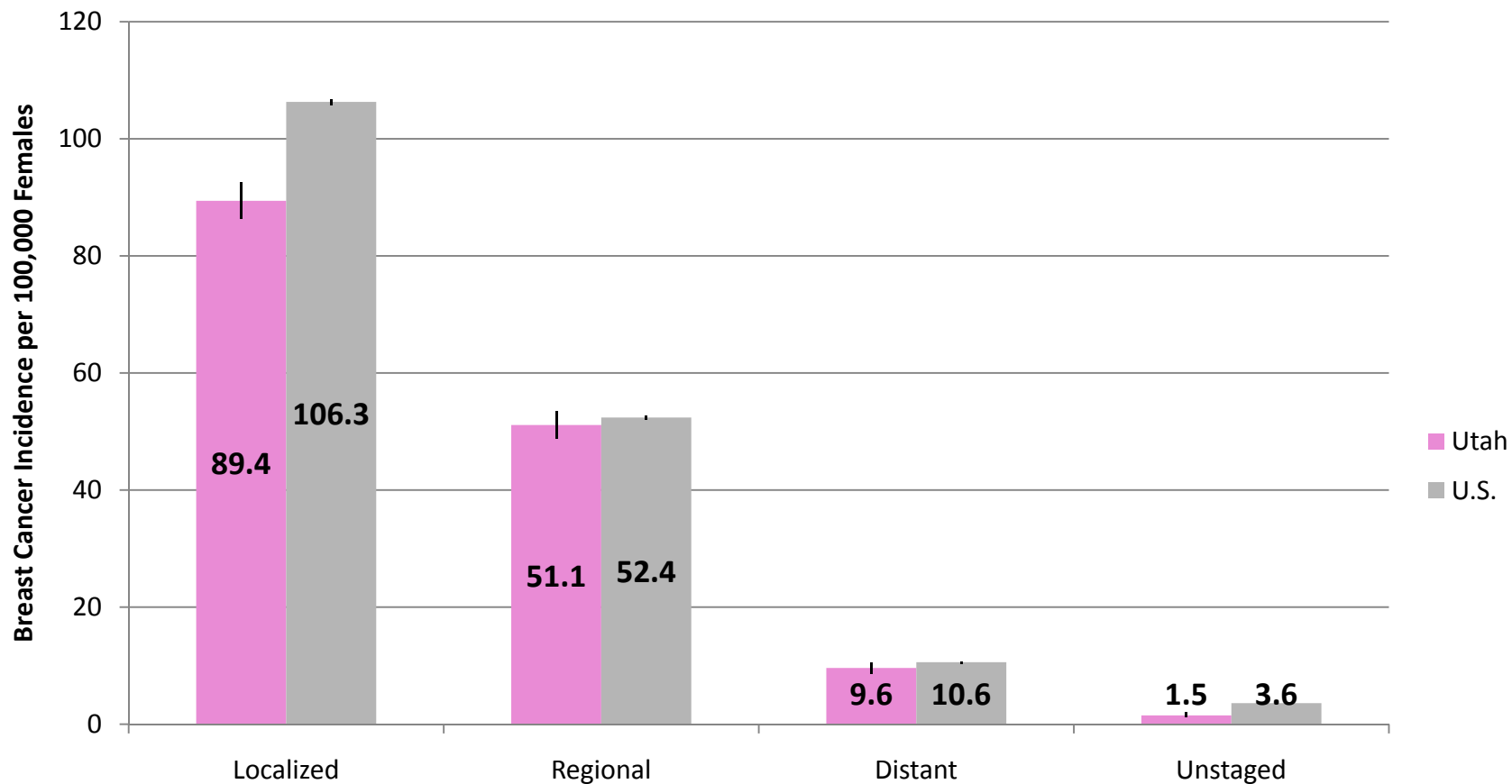
*Estimates are age-adjusted to the 2000 US standard population.

Table 2. Mammography for Women Ages 40 Years and Older by Health Insurance Type

	2007	2008	2009
Commercial HMO State Average	58.90%	59.76%	59.62%
Commercial HMO National Average	69.10%	69.90%	70.48%
Medicaid HMO State Average	49.20%	51.39%	50.80%
Medicaid HMO National Average	49.83%	50.70%	52.31%

Source: Healthcare Effectiveness Data and Information Set (HEDIS)

Figure 6. Breast Cancer Incidence in Women Ages 20 Years and Older*, by Stage, Utah vs. U.S. 2003-2007



*Rates are age-adjusted to the 2000 US standard population.

Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence



**CERVICAL CANCER SCREENING
PAP TEST**

Table 3. Current Pap Test Trends

Year	Utah	US
2006	79.03%	84.85%
2007	75.11%	83.49%
2008	74.11%	82.24%
2010	73.95%	NA

Source: BRFSS

CERVICAL CANCER SCREENING

Pap Test in the past 3 years

Utah Women 18+

2010
74.0%

Target
93.0%

Significant Difference?

<u>Age</u>	<u>Race/Ethnicity</u>	<u>Geography</u>	<u>Insurance</u>	<u>Sex</u>	<u>Education</u>
Yes	Yes	Yes	Yes	N/A	No

Figure 7. Pap Test within the Past Three Years, Utah Women Ages 18 Years and Older, BRFSS 2010

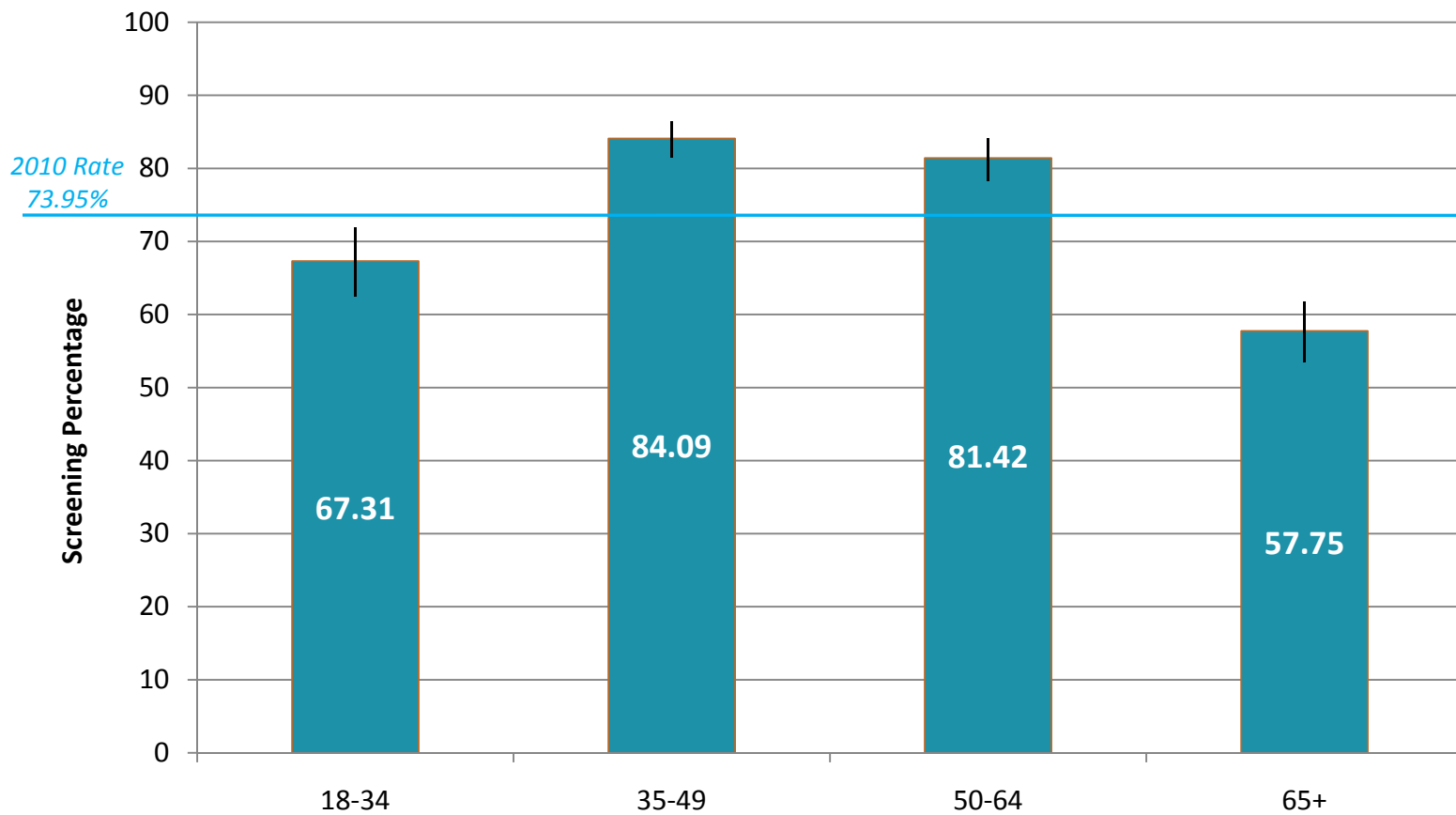
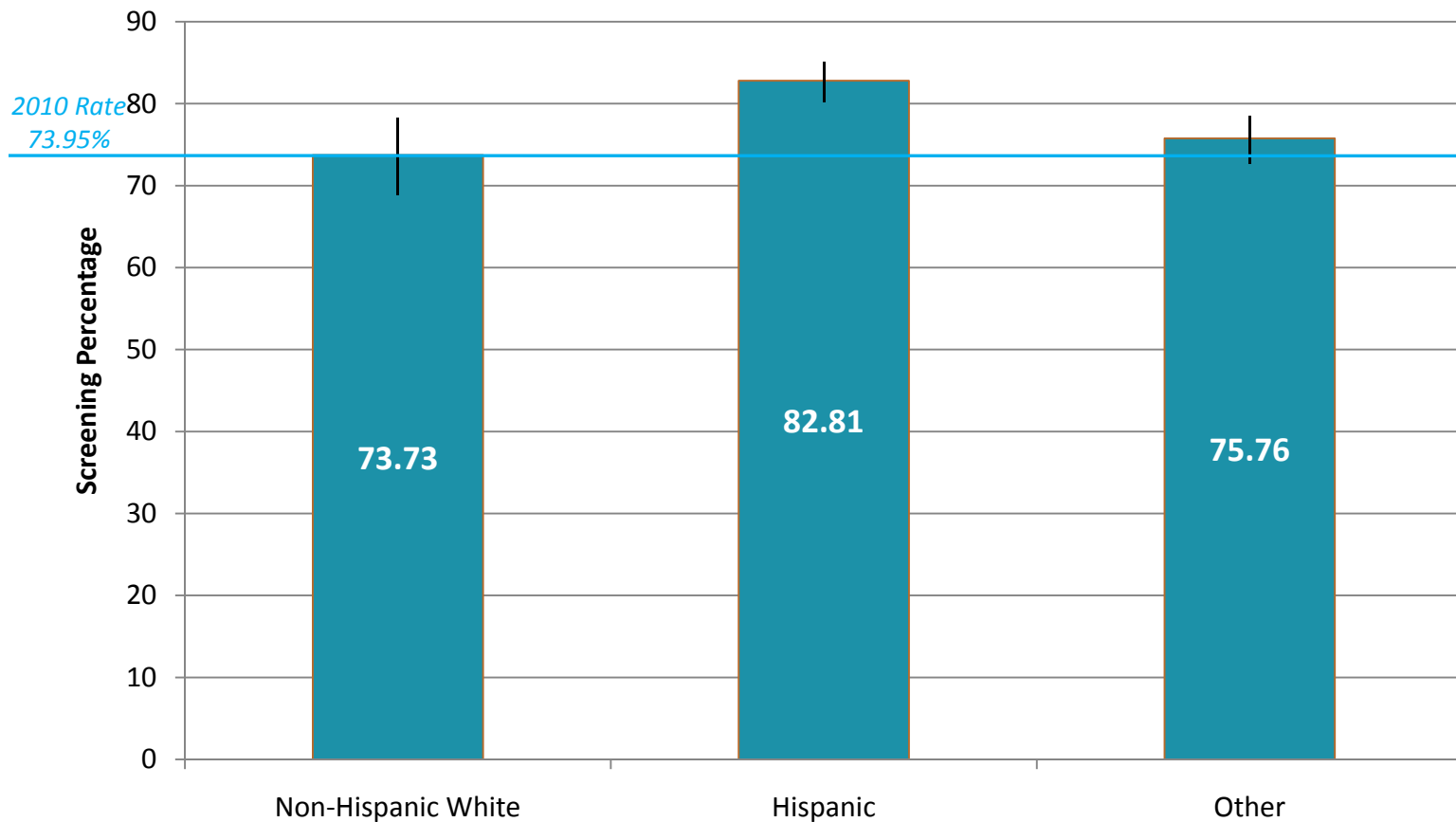
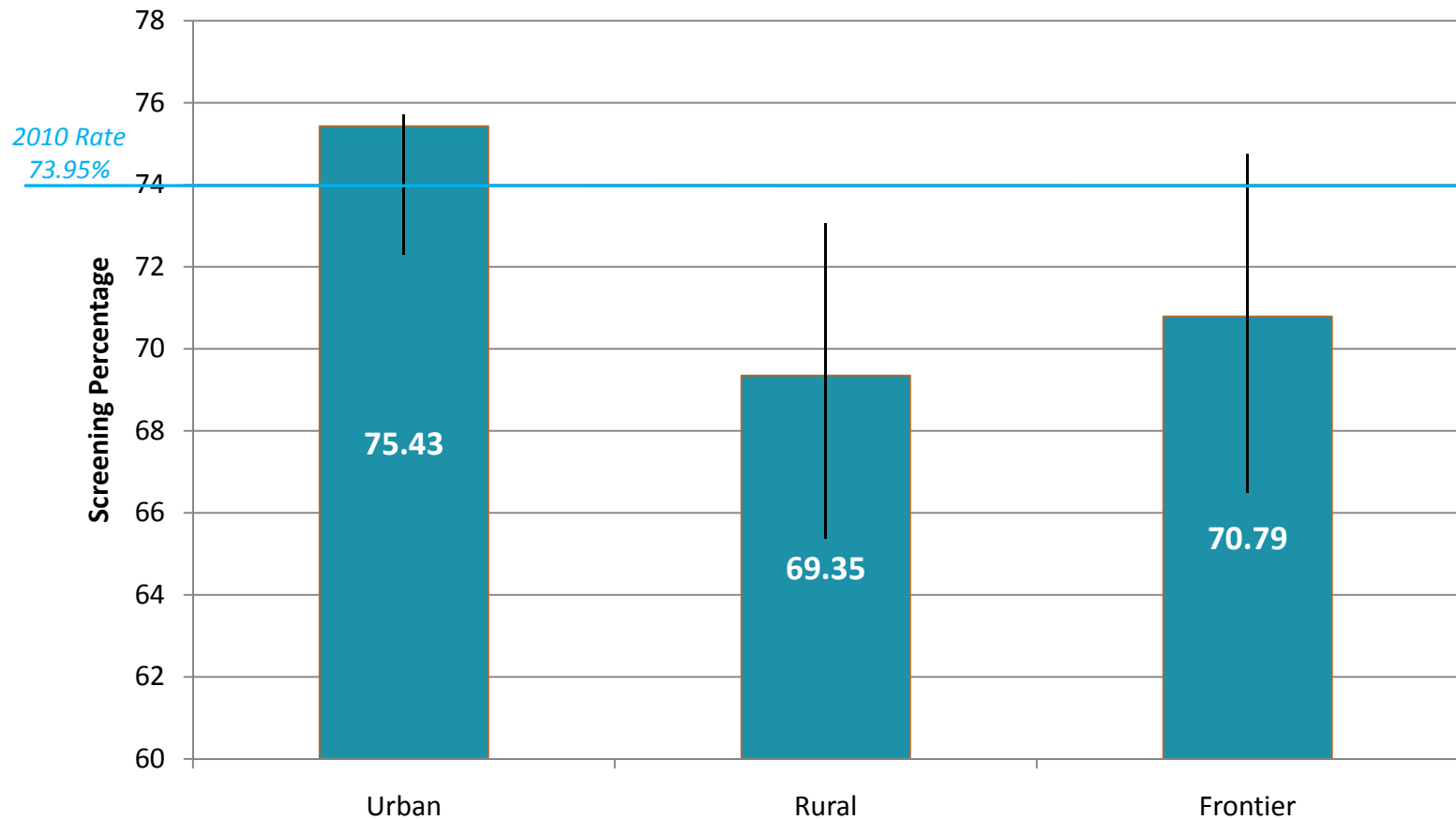


Figure 8. Pap Test within the Past Three Years*, Utah Women Ages 18 Years and Older, by Race/Ethnicity, BRFSS 2010



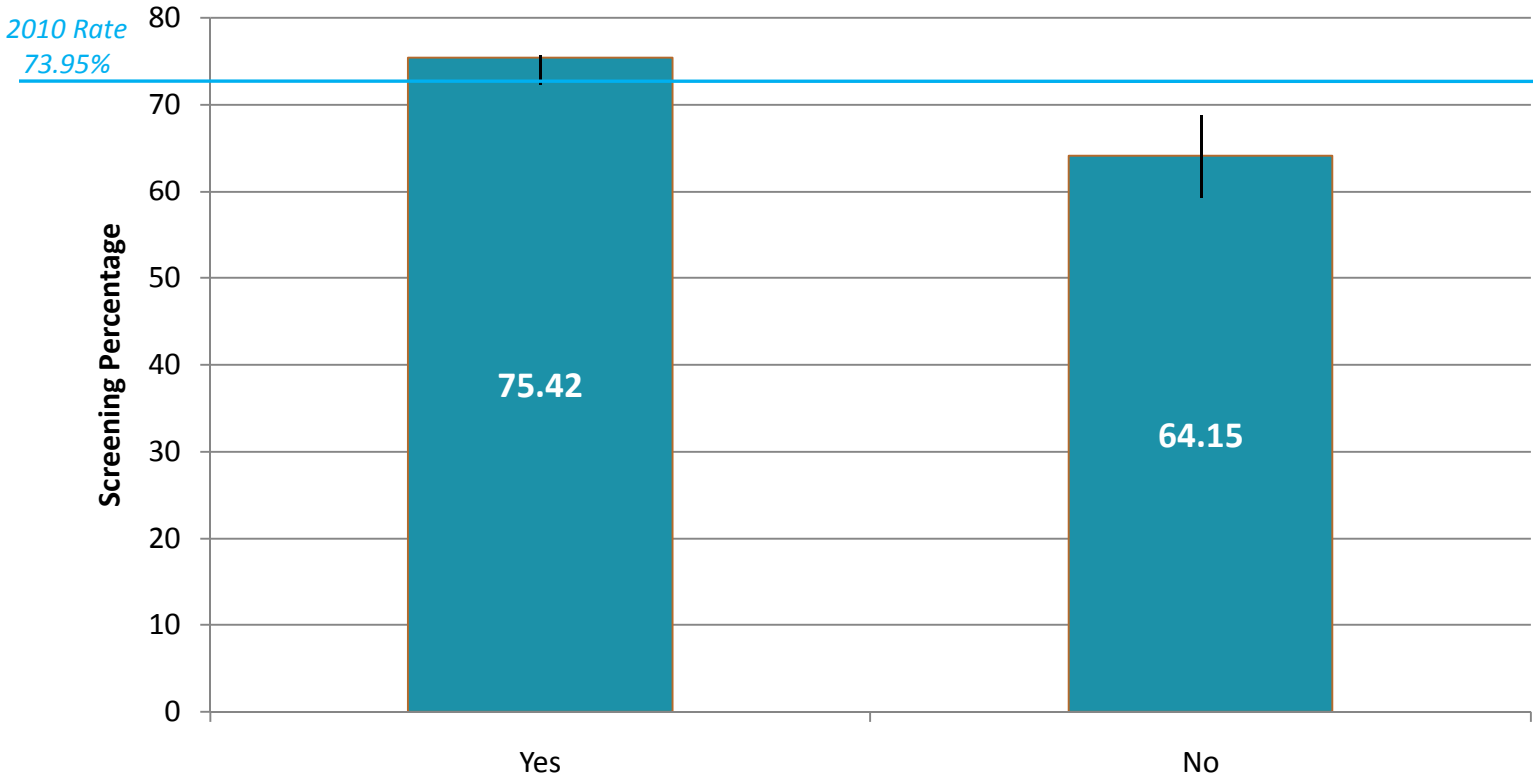
***Estimates are age-adjusted to the 2000 US standard population.**

Figure 9. Pap Test within the Past Three Years*, Utah Women Ages 18 Years and Older, by Geographic Area, BRFSS 2010



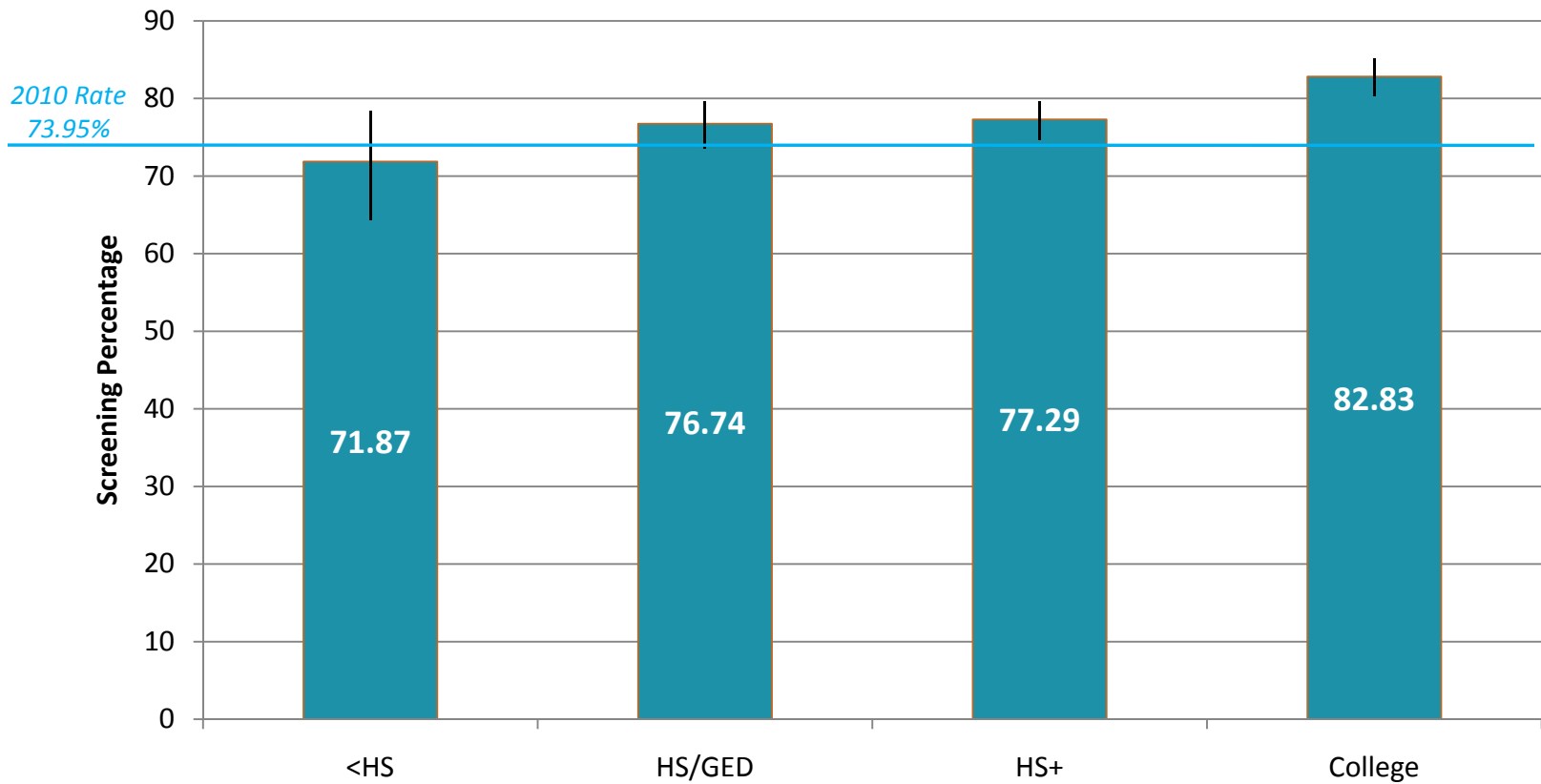
*Estimates are age-adjusted to the 2000 US standard population.

Figure 10. Pap Test within the Past Three Years*, Utah Women Ages 18 Years and Older, by Insurance Status, BRFSS 2010



*Estimates are age-adjusted to the 2000 US standard population.

Figure 11. Pap Test within the Past Three Years*, Utah Women Ages 18 Years and Older, by Education, BRFSS 2010



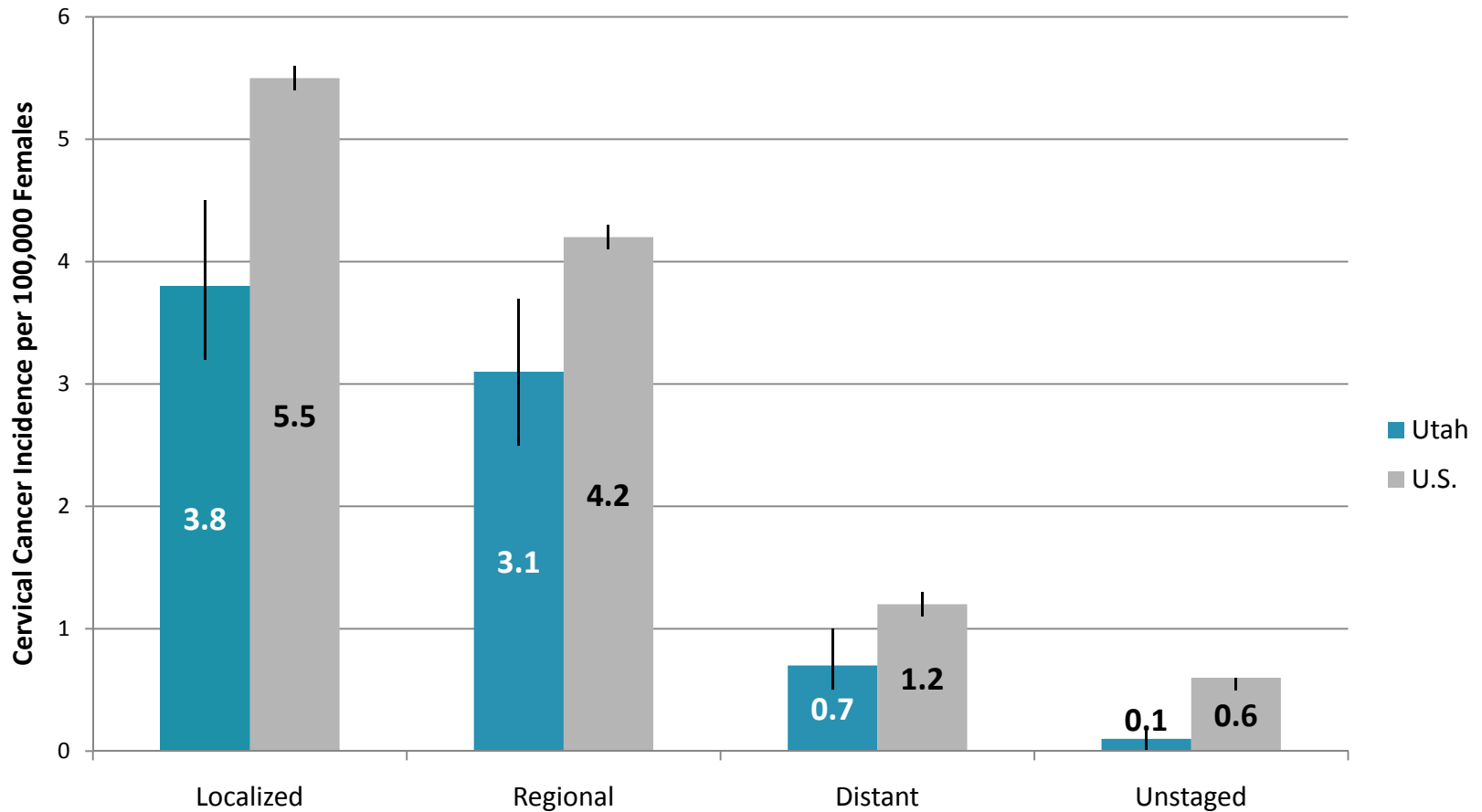
*Estimates are age-adjusted to the 2000 US standard population.

Table 4. Pap Test for Women Ages 21 to 80 Years by Health Insurance Type

	2007	2008	2009
Commercial HMO State Average	79.00%	78.39%	73.28%
Commercial HMO National Average	81.70%	81.34%	77.27%
Medicaid HMO State Average	60.87%	58.45%	66.26%
Medicaid HMO National Average	64.75%	65.91%	65.65%

Source: Healthcare Effectiveness Data and Information Set (HEDIS)

Figure 12. Cervical Cancer Incidence in Women Ages 20 Years and Older*, by Stage, Utah vs. U.S. 2003-2007



*Rates are age-adjusted to the 2000 US standard population.

Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence



**SCREENING FOR
COLORECTAL CANCER**

Table 5. Current Colorectal Cancer Screening Trends

Year	Utah	US
2004	57.70%	57.32%
2006	61.50%	61.26%
2008	66.80%	64.61%
2010	68.80%	NA

Source: BRFSS

COLON CANCER SCREENING

Either an FOBT in the past year or a
Sigmoidoscopy/Colonoscopy within the past 10 years
Utah Adults 50+

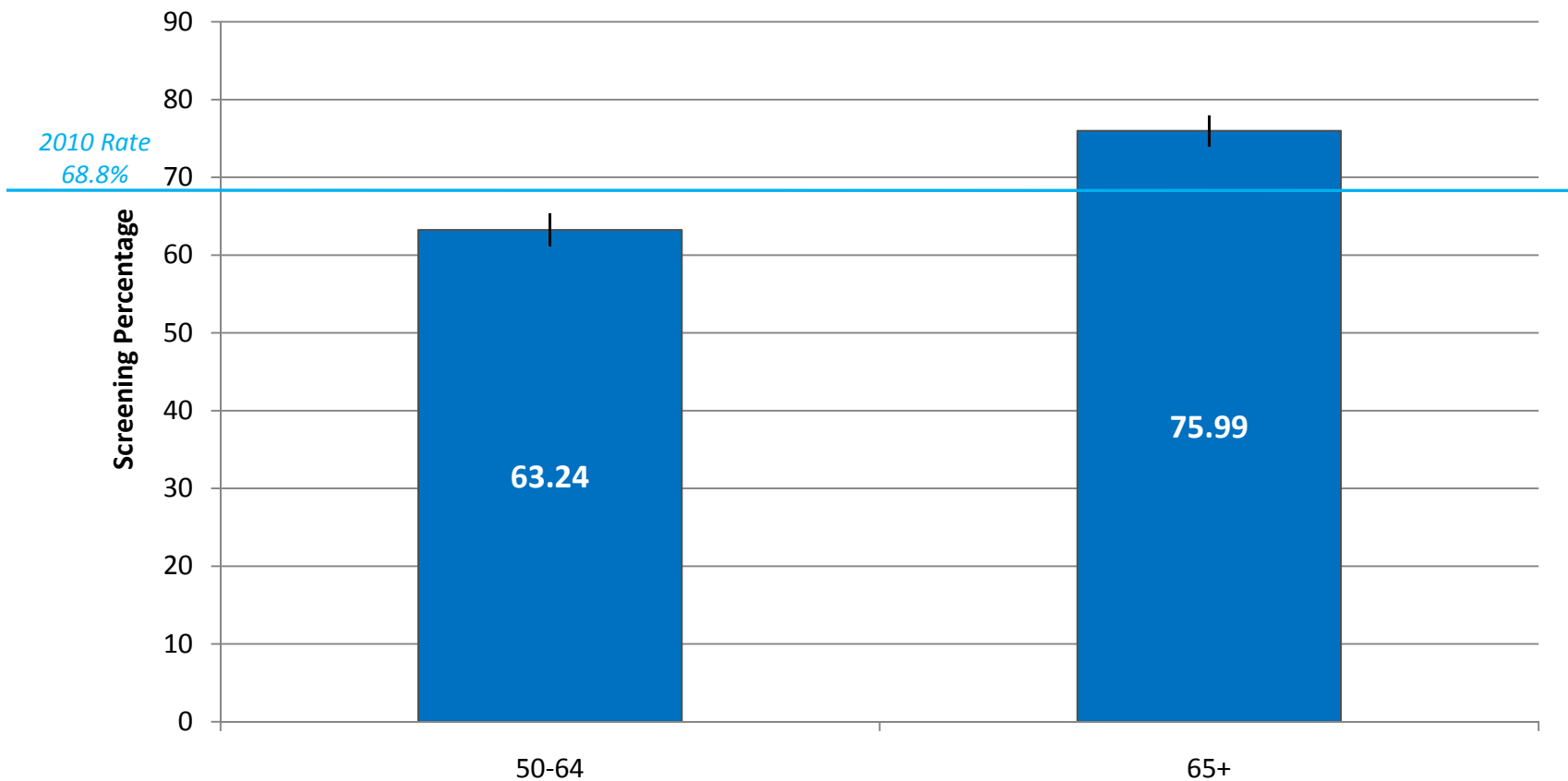
2010
68.8%

Target
80.0%

Significant Difference?

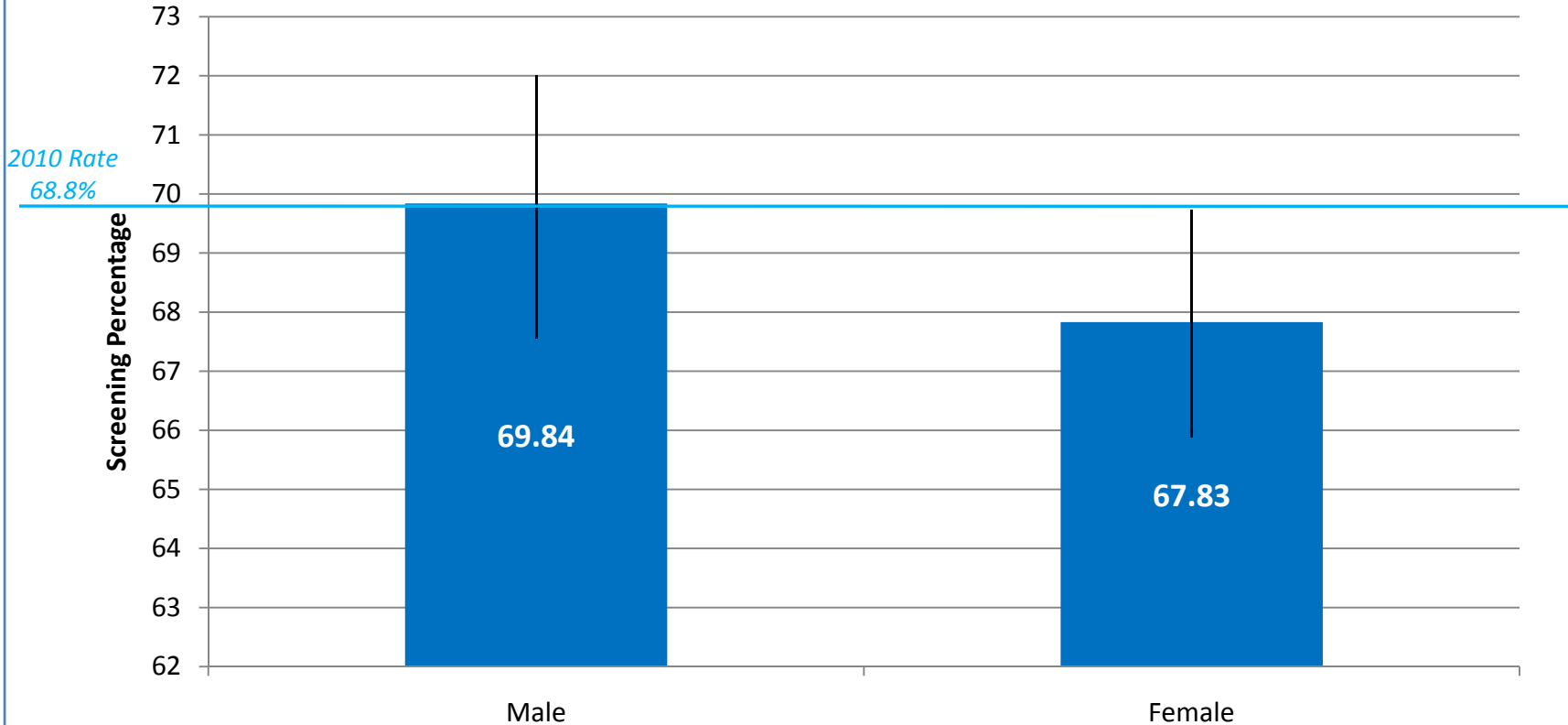
<u>Age</u>	<u>Race/Ethnicity</u>	<u>Geography</u>	<u>Insurance</u>	<u>Sex</u>	<u>Education</u>
Yes	Yes	Yes	Yes	No	Yes

Figure 13. Colorectal Cancer Screening* Among Utah Adults 50 and Older by Age, BRFSS 2010



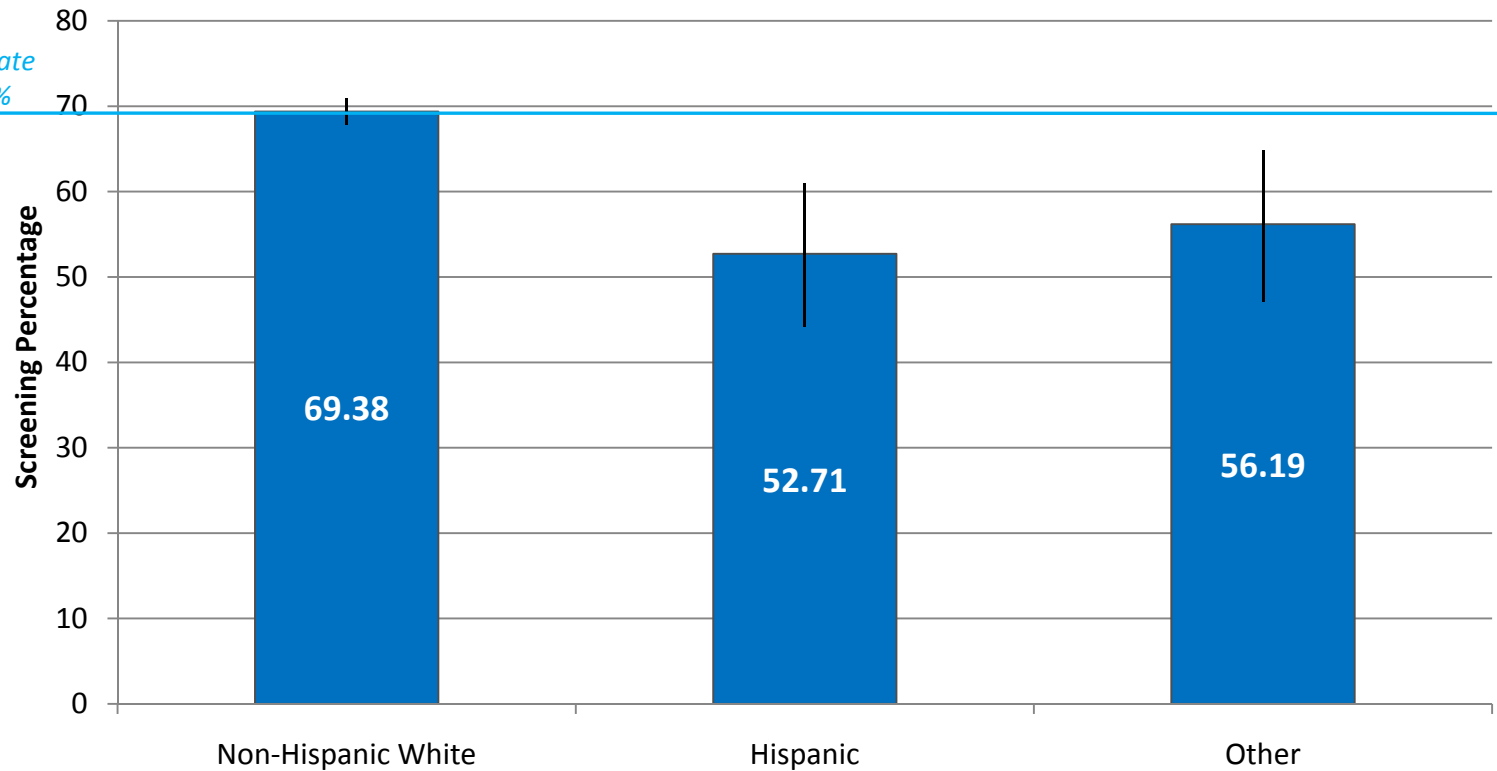
***Either a fecal occult blood test within the past year or sigmoidoscopy/colonoscopy in the past 10 years.**

Figure 14. Colorectal Cancer Screening* Among Utah Adults 50 and Older by Sex, BRFSS 2010



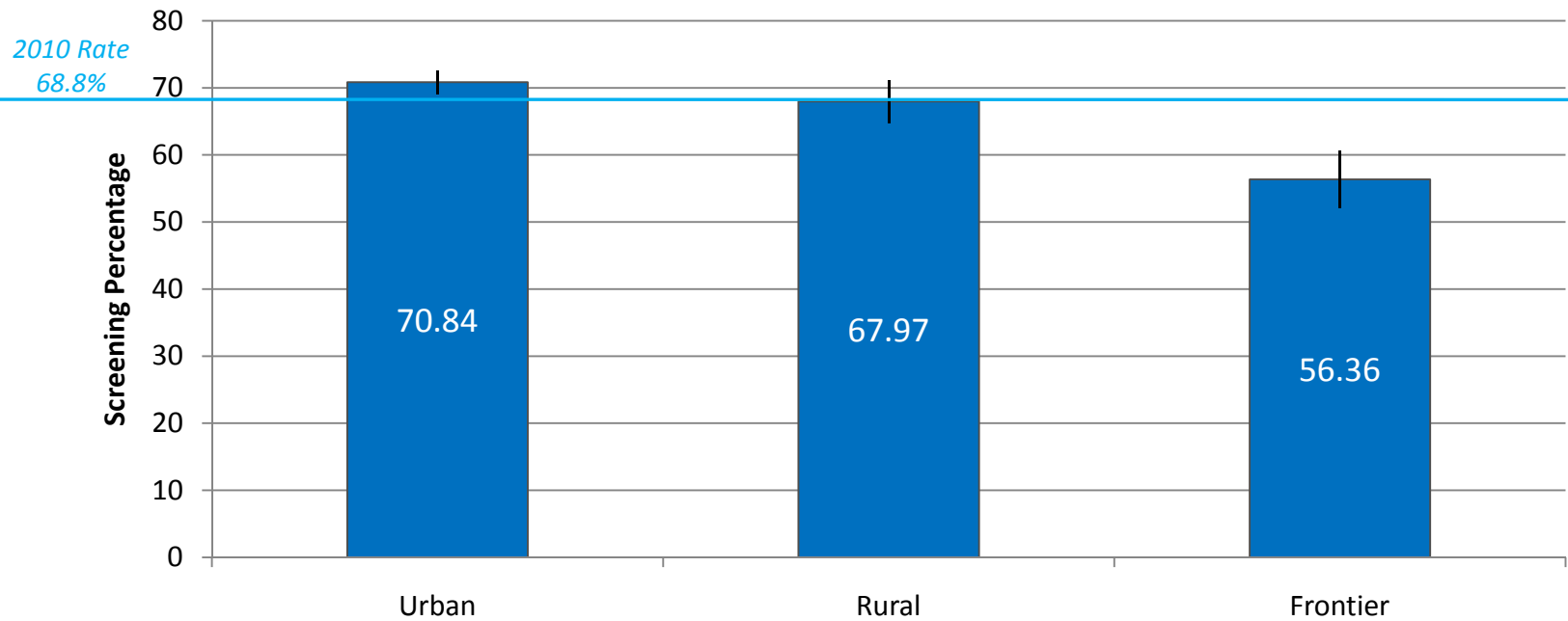
***Either a fecal occult blood test within the past year or sigmoidoscopy/colonoscopy in the past 10 years. Estimates are age-adjusted to the 2000 US standard population.**

Figure 15. Colorectal Cancer Screening* Among Utah Adults 50 and Older by Race/Ethnicity, BRFSS 2010



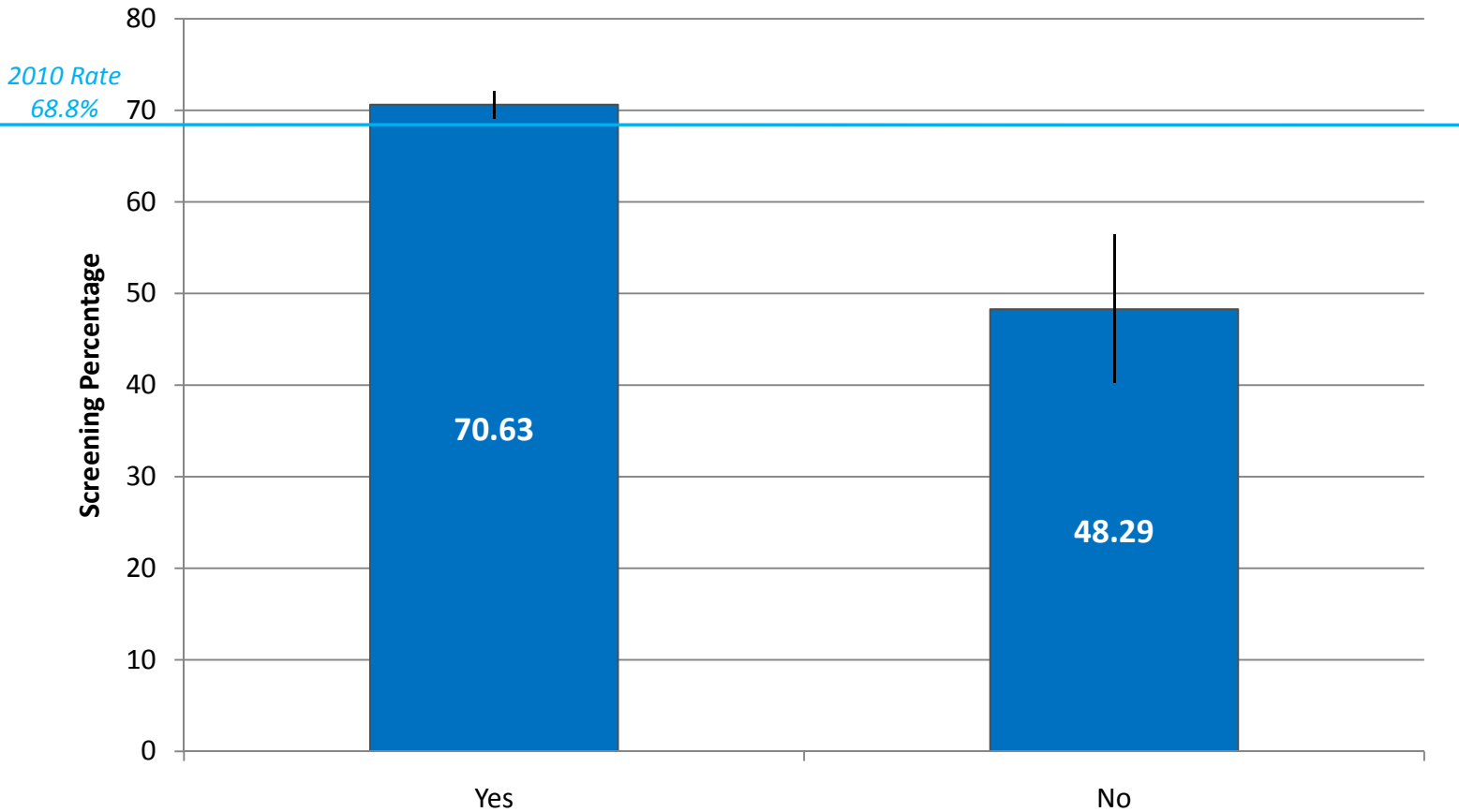
***Either a fecal occult blood test within the past year or sigmoidoscopy/colonoscopy in the past 10 years. Estimates are age-adjusted to the 2000 US standard population.**

Figure 16. Colorectal Cancer Screening* Among Utah Adults 50 and Older by Geographic Area, BRFSS 2010



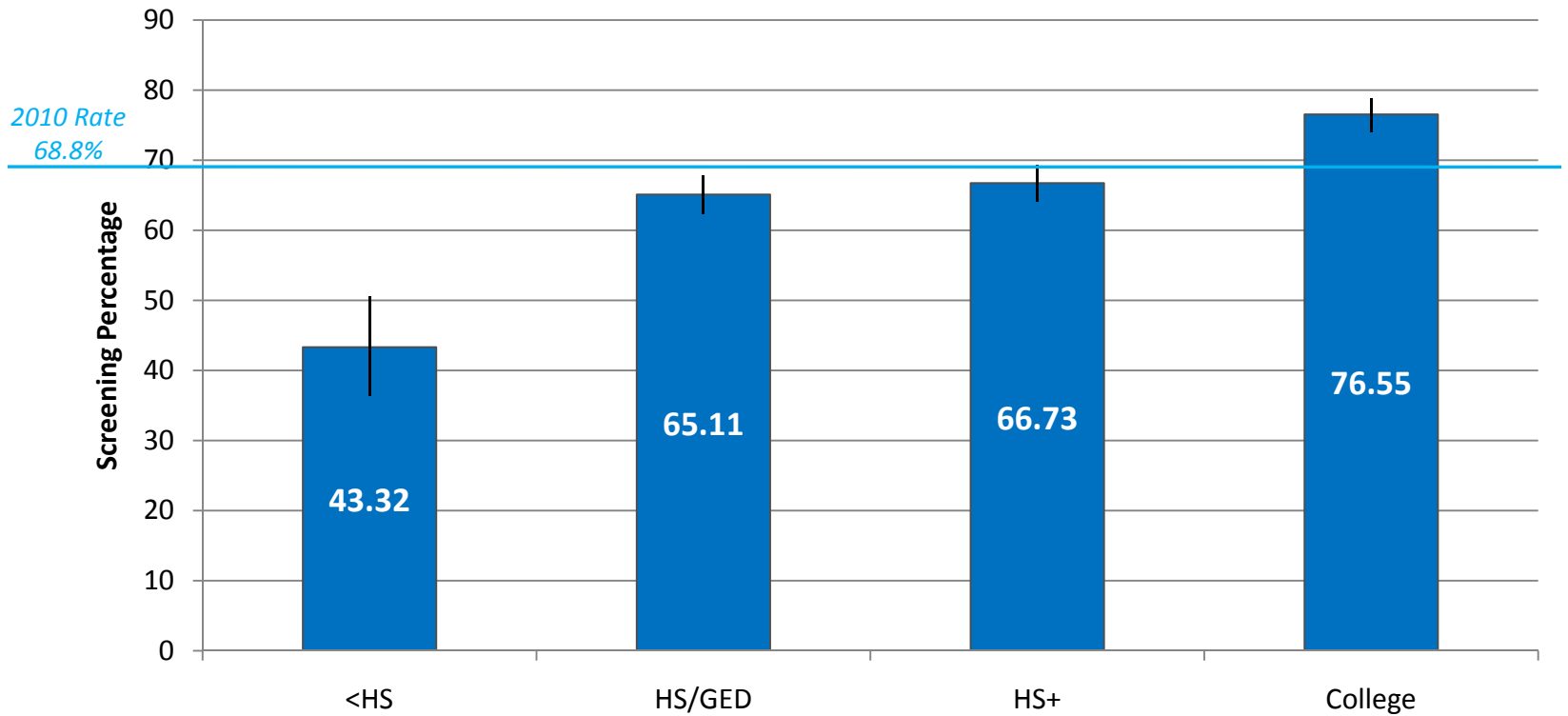
***Either a fecal occult blood test within the past year or sigmoidoscopy/colonoscopy in the past 10 years. Estimates are age-adjusted to the 2000 US standard population.**

Figure 17. Colorectal Cancer Screening* Among Utah Adults 50 and Older by Insurance Status, BRFSS 2010



***Either a fecal occult blood test within the past year or sigmoidoscopy/colonoscopy in the past 10 years. Estimates are age-adjusted to the 2000 US standard population.**

Figure 18. Colorectal Cancer Screening Among Utah Adults 50 and Older*, by Education, BRFSS 2010



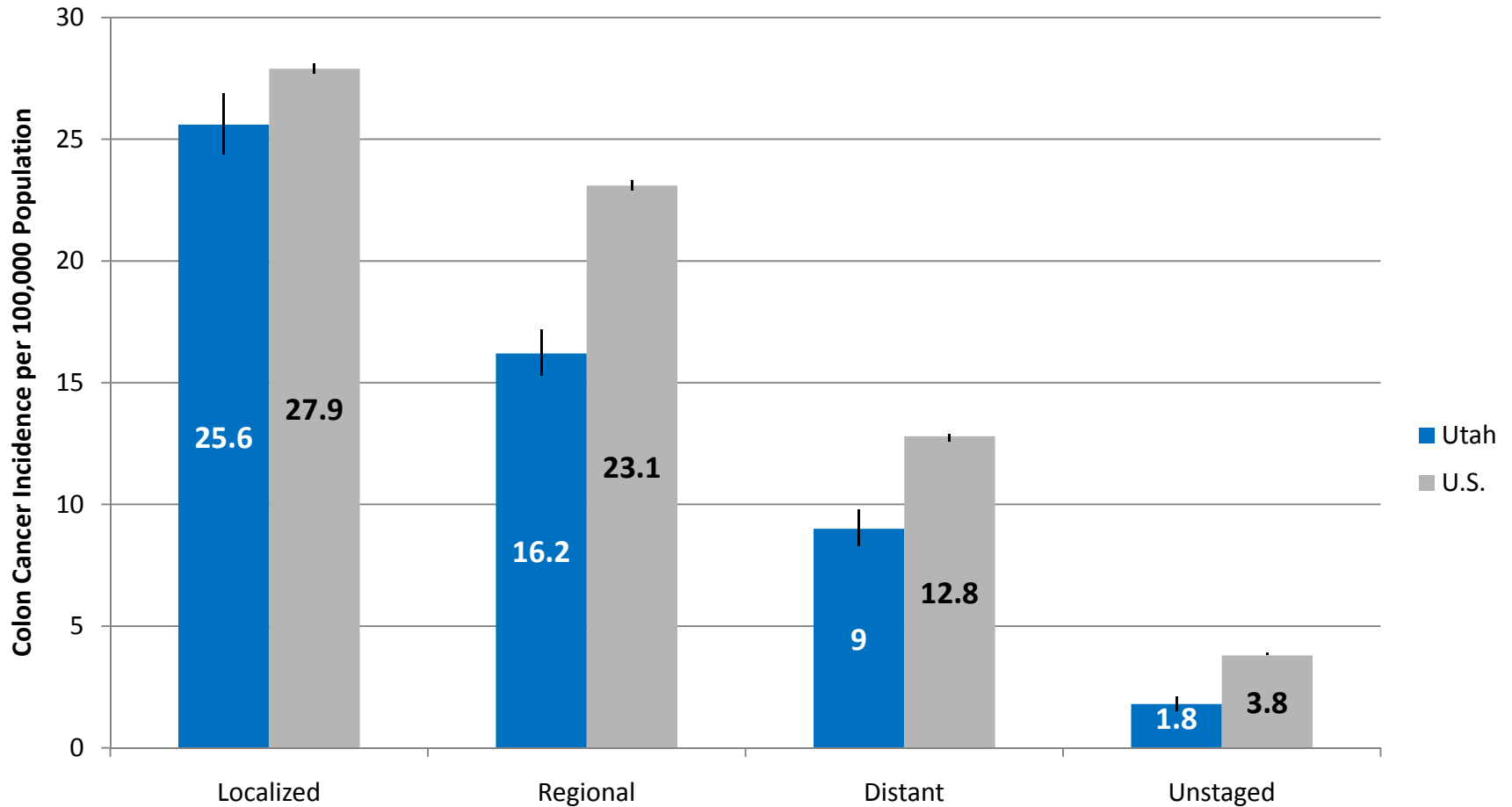
***Either a fecal occult blood test within the past year or sigmoidoscopy/colonoscopy in the past 10 years. Estimates are age-adjusted to the 2000 US standard population.**

Table 6. Colorectal Cancer Screening for Utah Adults Aged 51 to 80 Years by Health Insurance Type

	2007	2008	2009
Commercial HMO State Average	55.80%	55.01%	59.16%
Commercial HMO National Average	55.60%	59.08%	60.32%
Medicaid HMO State Average	Not Available	Not Available	Not Available
Medicaid HMO National Average	Not Available	Not Available	Not Available

Source: Healthcare Effectiveness Data and Information Set (HEDIS)

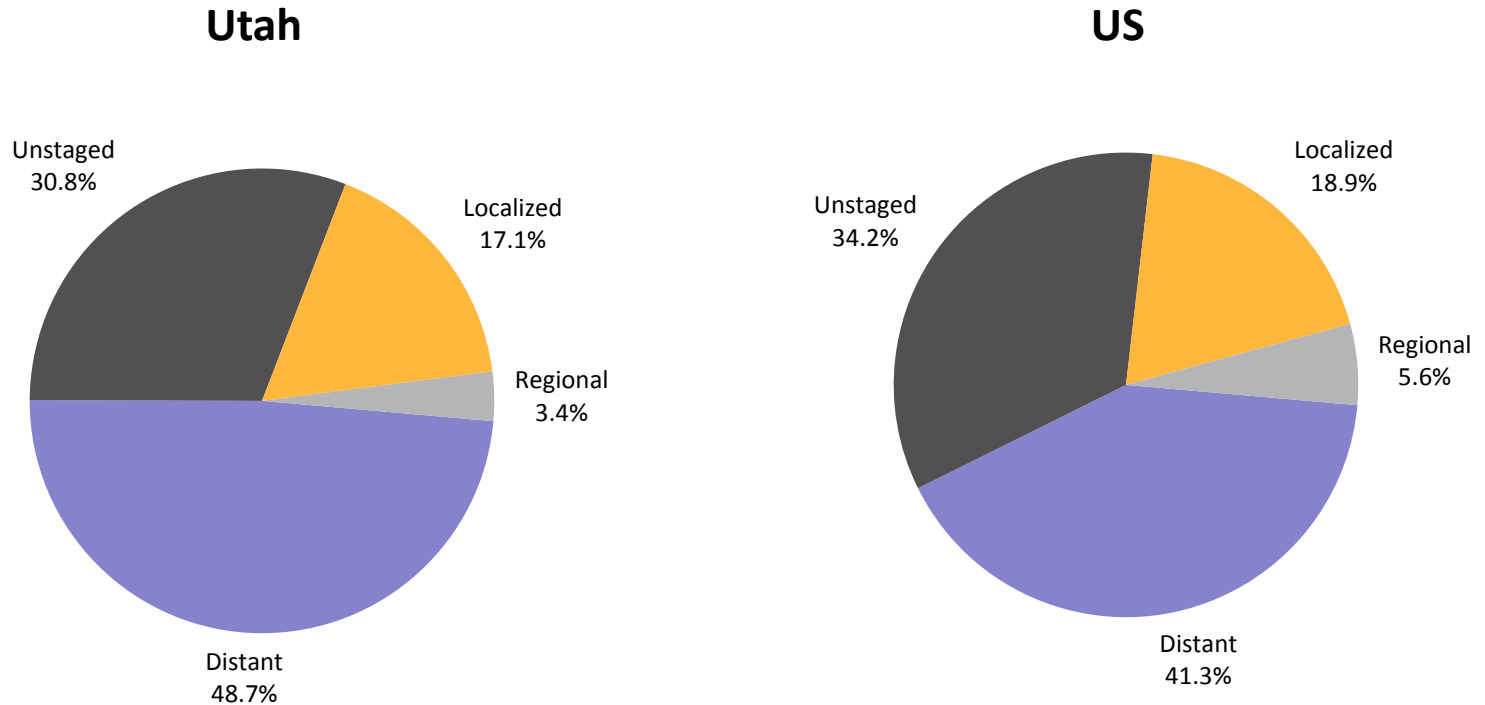
Figure 19. Colon Cancer Incidence in Adults Ages 20 Years and Older*, by Stage, Utah vs. U.S. 2003-2007



*Rates are age-adjusted to the 2000 US standard population.

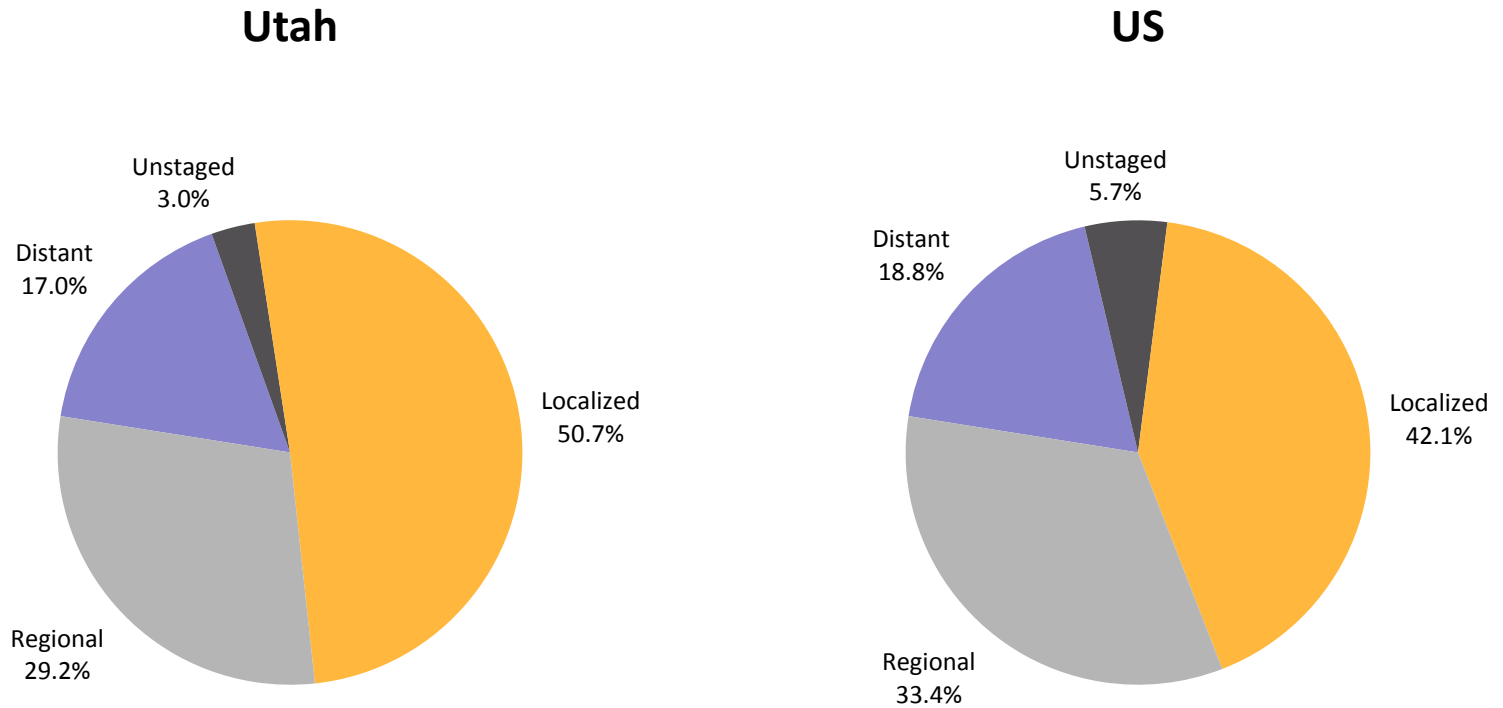
Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence

Figure 20. Colon Cancer Incidence by Stage, Utah vs. US, 2003-2007



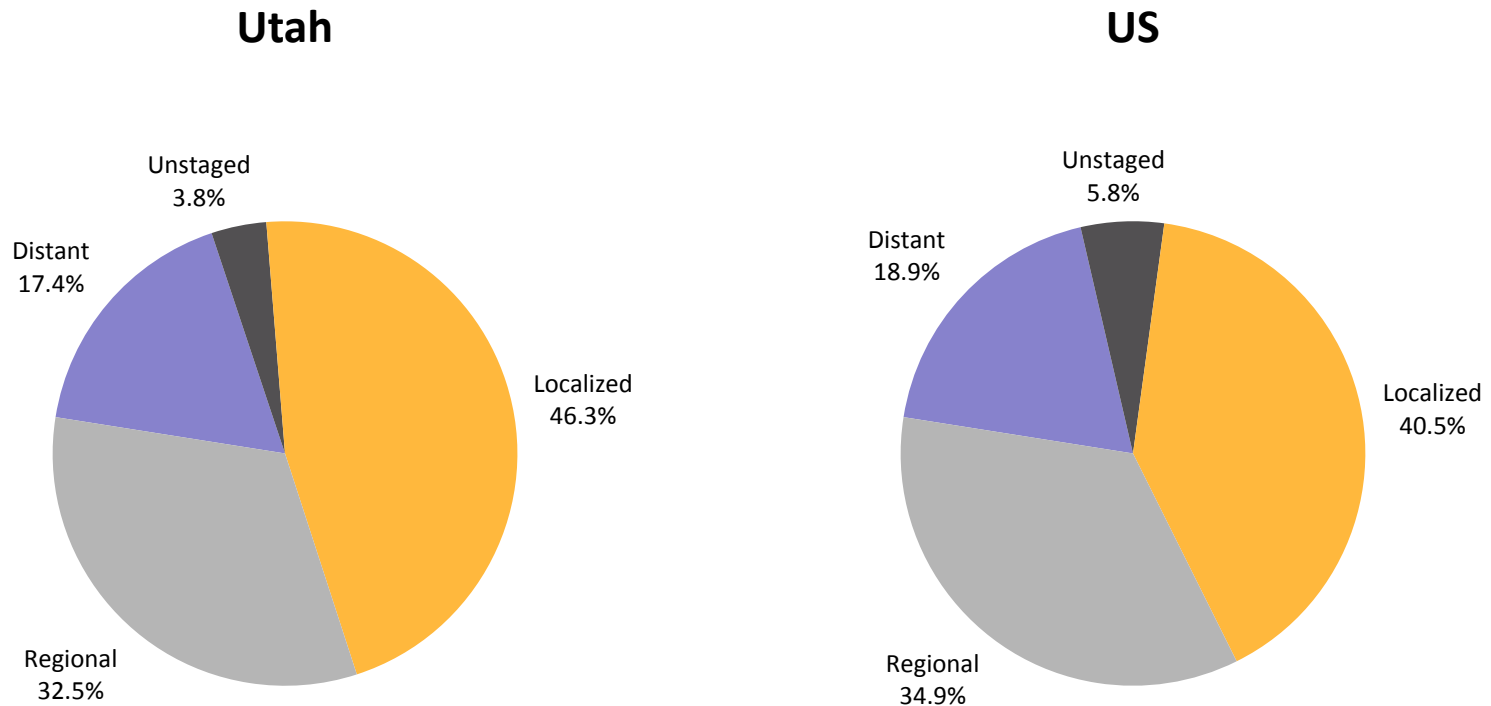
Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.

Figure 21. Male Colon Cancer Incidence by Stage, Utah vs. US, 2003-2007



Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.

Figure 22. Female Colon Cancer Incidence by Stage*, Utah vs. US, 2003-2007



Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.



SCREENING FOR PROSTATE CANCER

Table 7. Current Prostate Cancer Screening Trends

Year	Utah	US
2004	58.16%	61.28%
2006	60.12%	61.76%
2008	60.71%	64.02%
2010	62.50%	NA

Source: BRFSS

PROSTATE CANCER SCREENING

Utah Men 40+ Who have ever had a PSA

2010
62.5%

Target
Unknown

Significant Difference?

<u>Age</u>	<u>Race/Ethnicity</u>	<u>Geography</u>	<u>Insurance</u>	<u>Sex</u>	<u>Education</u>
Yes	Yes	No	Yes	N/A	Yes

Figure 23. Utah Males Ages 40 and Older who Ever had a PSA, BRFSS 2010

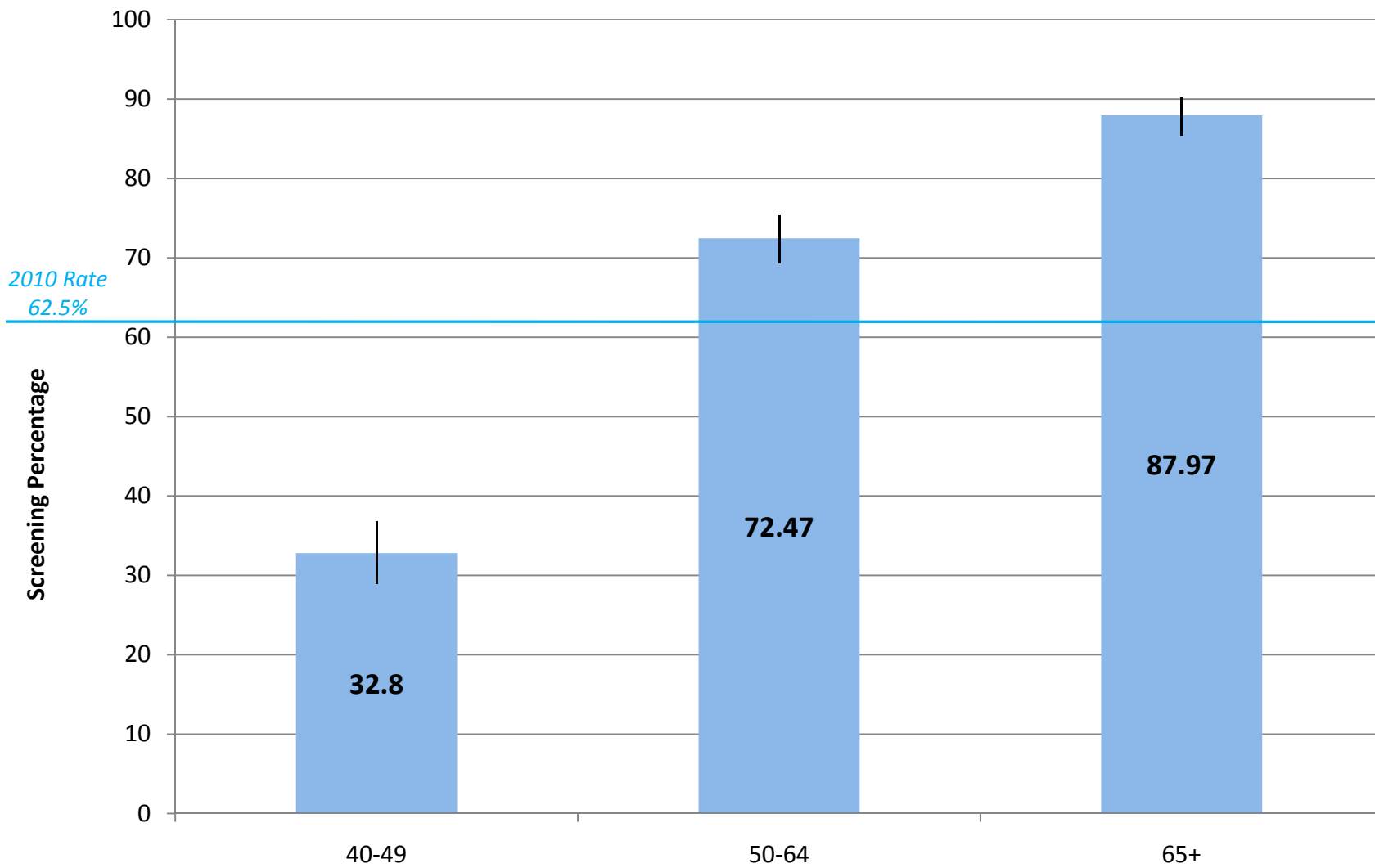
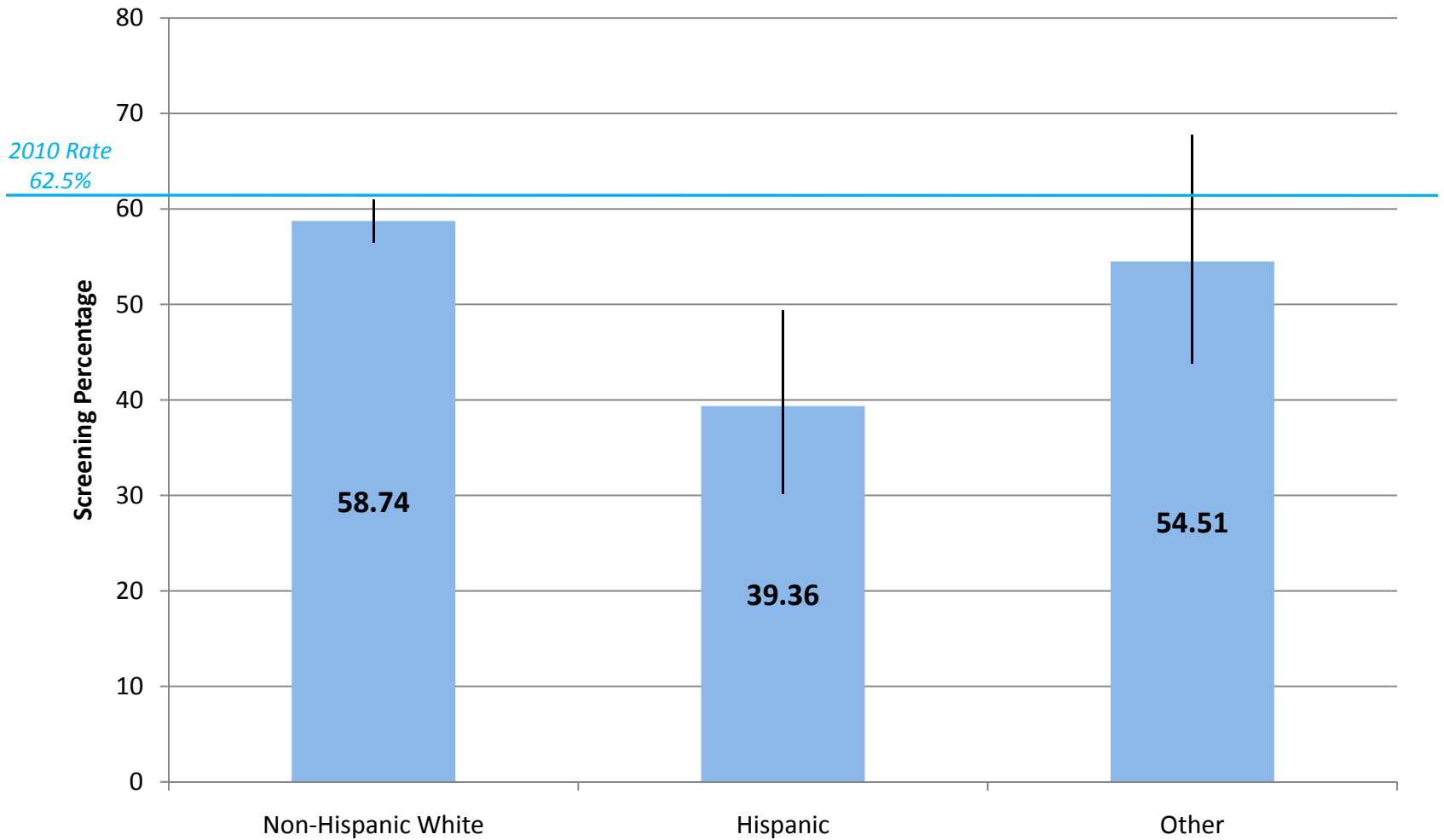
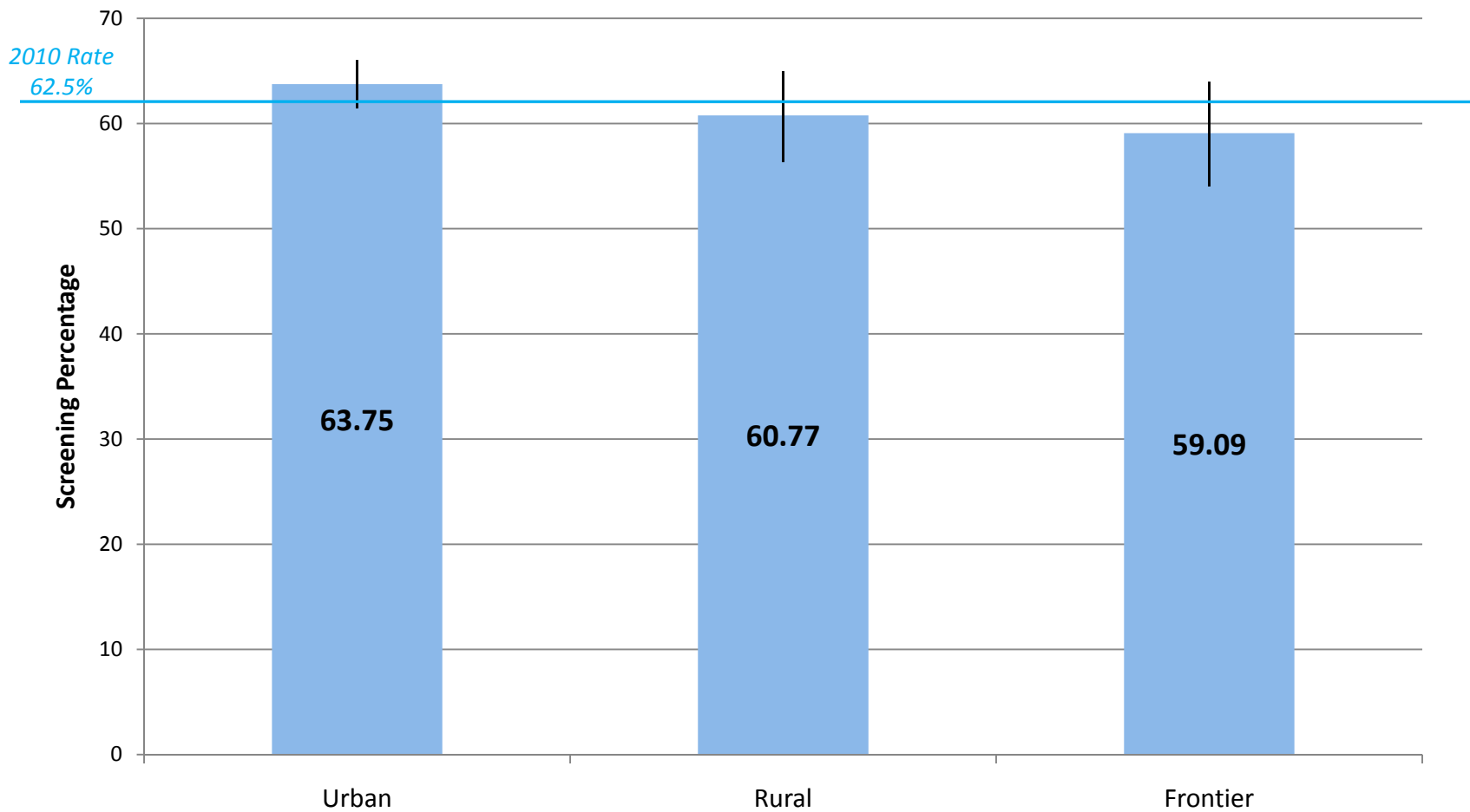


Figure 24. PSA Among Utah Males Ages 40 and Older*, by Ethnicity/Race, BRFSS 2010



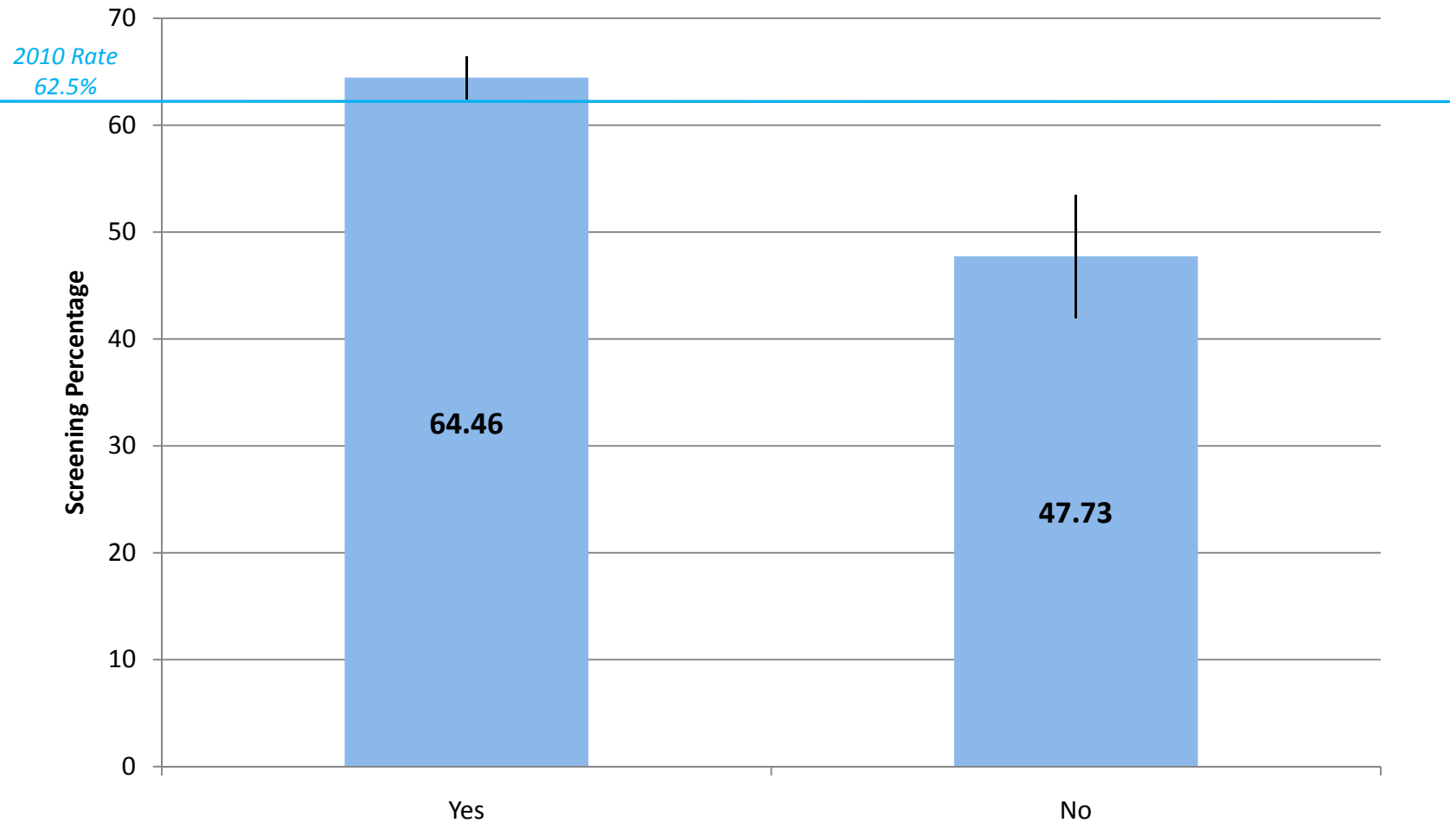
***Estimates are age-adjusted to the 2000 US standard population.**

Figure 25. PSA Among Utah Males Ages 40 and Older*, by Geographic Area, BRFSS 2010



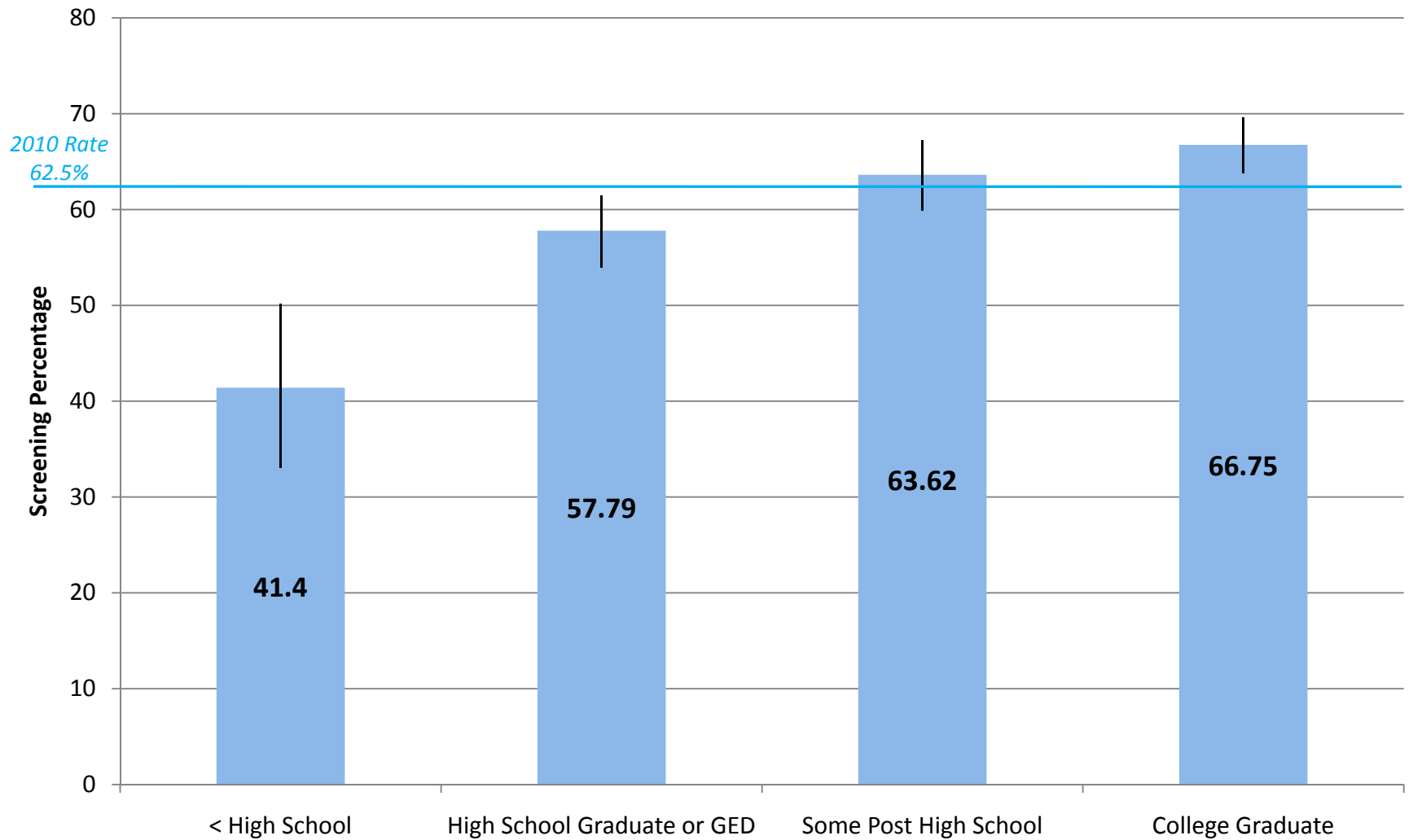
*Estimates are age-adjusted to the 2000 US standard population.

Figure 26. PSA Among Utah Males Ages 40 and Older*, by Insurance Status, BRFSS 2010



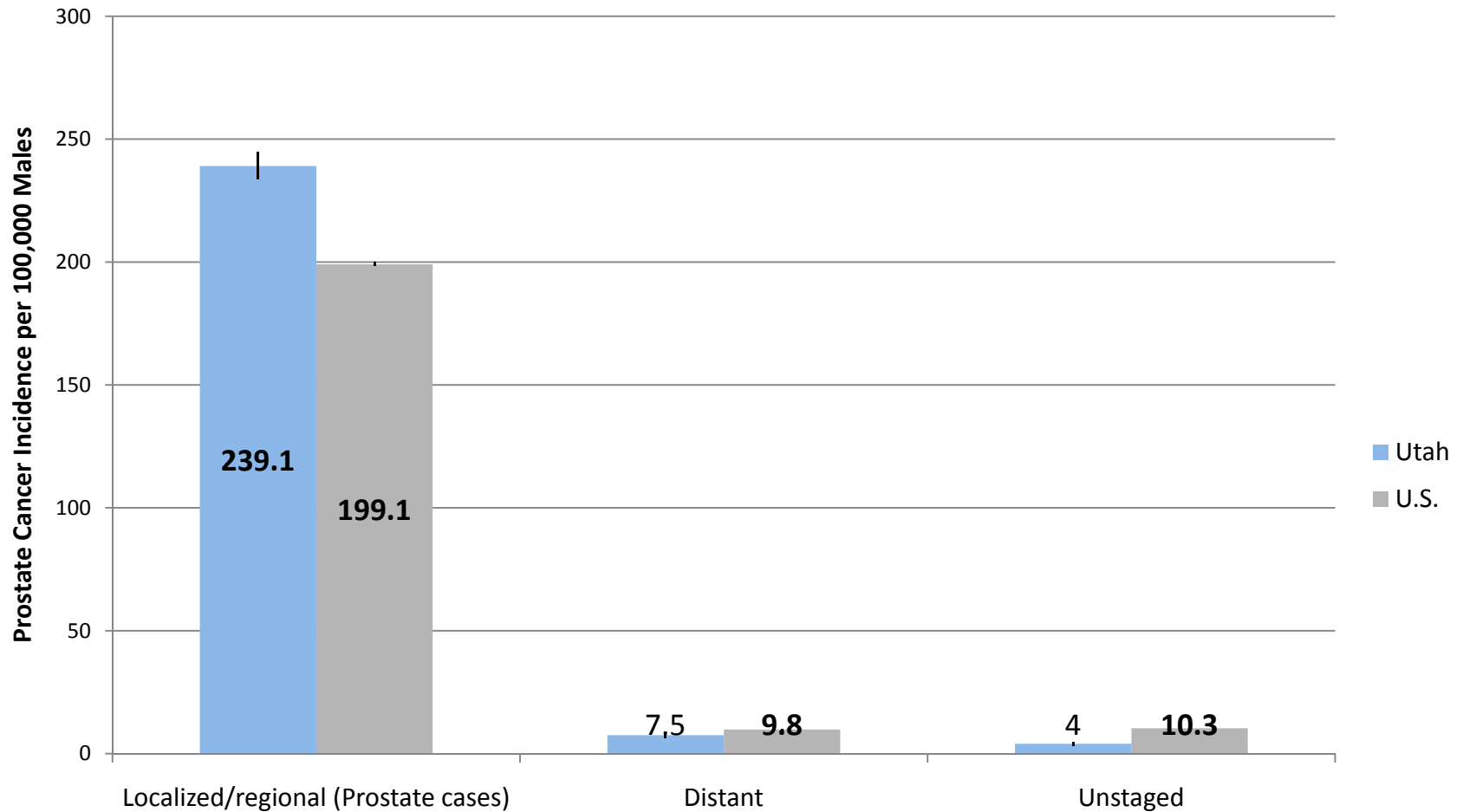
*Estimates are age-adjusted to the 2000 US standard population.

Figure 27. PSA Among Utah Males Ages 40 and Over*, by Education, BRFSS 2010



***Estimates are age-adjusted to the 2000 US standard population.**

Figure 28. Prostate Cancer Incidence in Men Ages 20 Years and Older*, by Stage, Utah vs. U.S. 2003-2007



*Rates are age-adjusted to the 2000 US standard population.

Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence



**SMOKING AS AN INDICATOR FOR
LUNG CANCER**

Table 8. Current Cigarette Smoking Trends

Year	Utah	US
2007	11.21%	19.56%
2008	9.11%	18.57%
2009	9.47%	18.26%
2010	8.81%	NA

Source: BRFSS

CIGARETTE SMOKING

Current Cigarette Smokers

Utah Adults 18+

2010
8.8%

Target
9.5%

Significant Difference?

<u>Age</u>	<u>Race/Ethnicity</u>	<u>Geography</u>	<u>Insurance</u>	<u>Sex</u>	<u>Education</u>
Yes	Yes	Yes	Yes	Yes	Yes

Figure 29. Cigarette Smoking by Age Among Utah Adults, BRFSS 2010

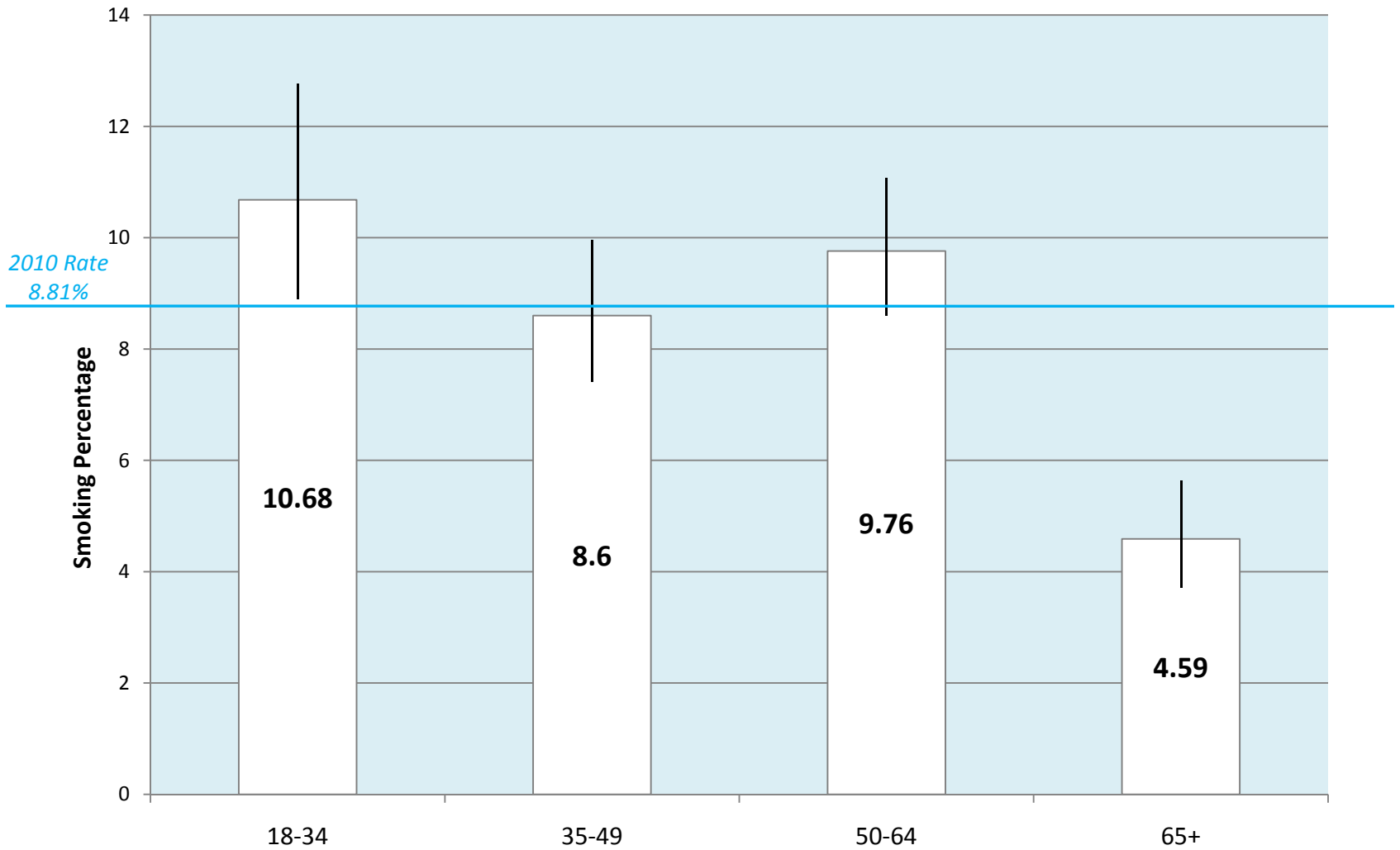
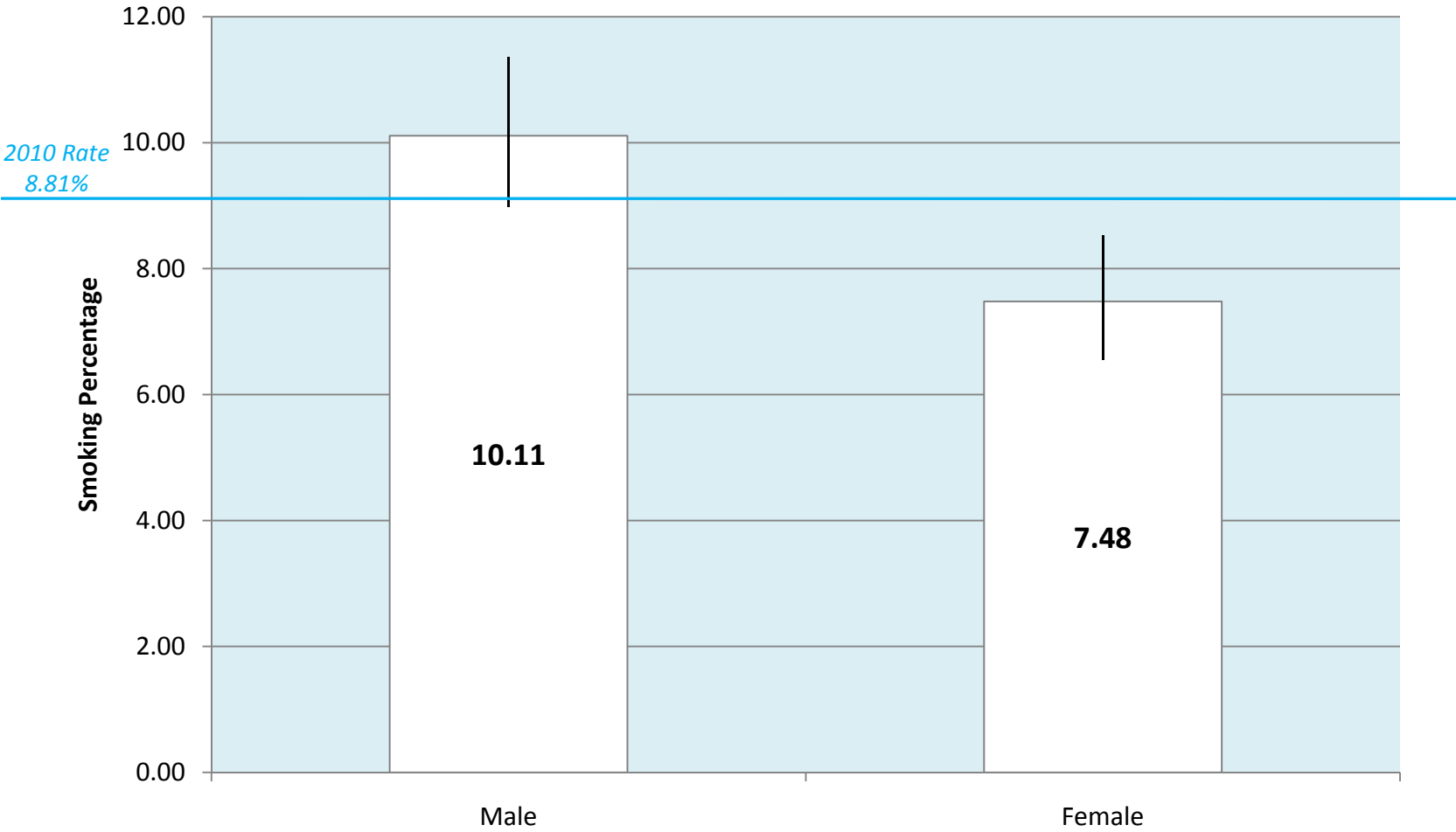
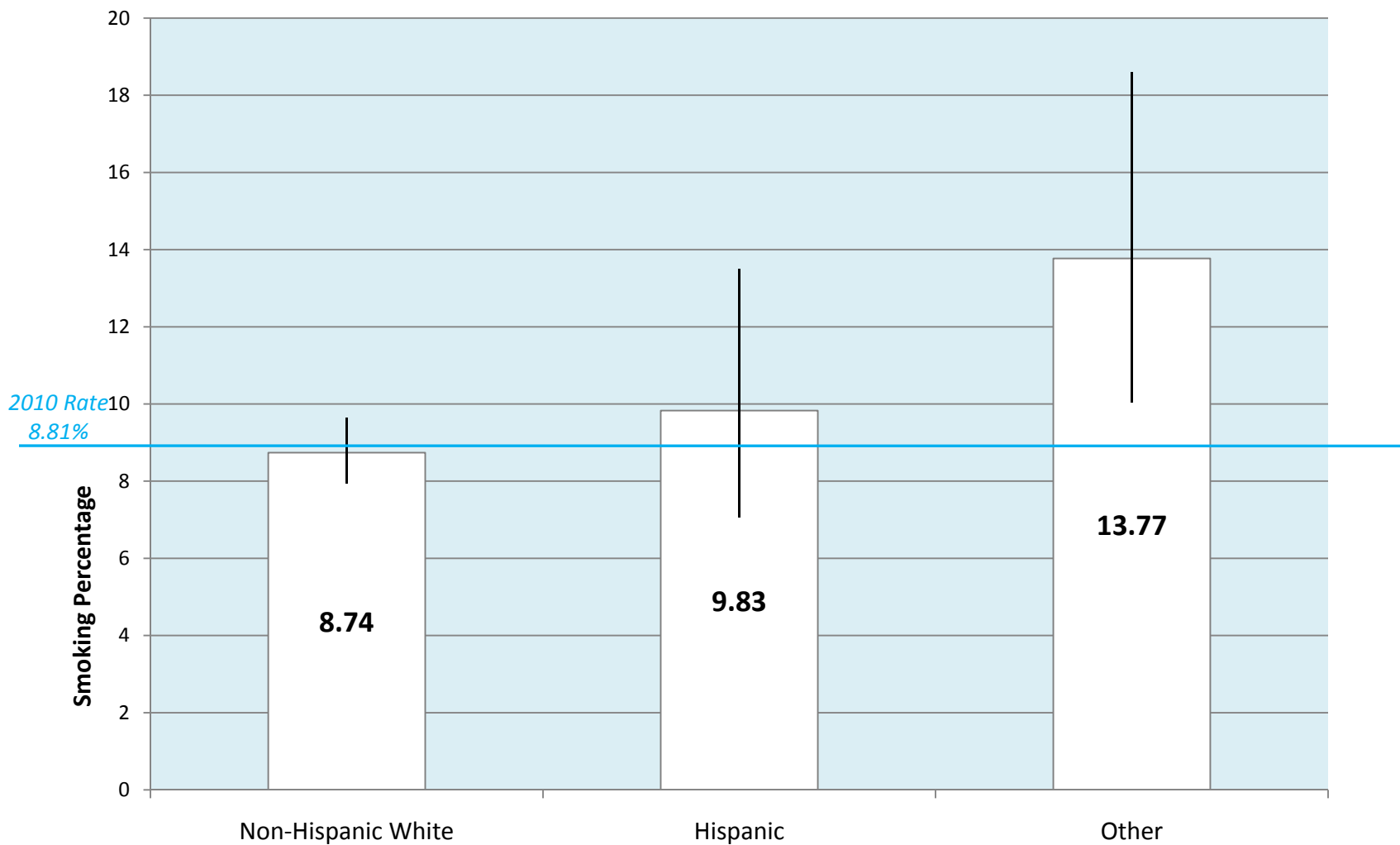


Figure 30. Cigarette Smoking Among Utah Adults* by Sex, BRFSS 2010



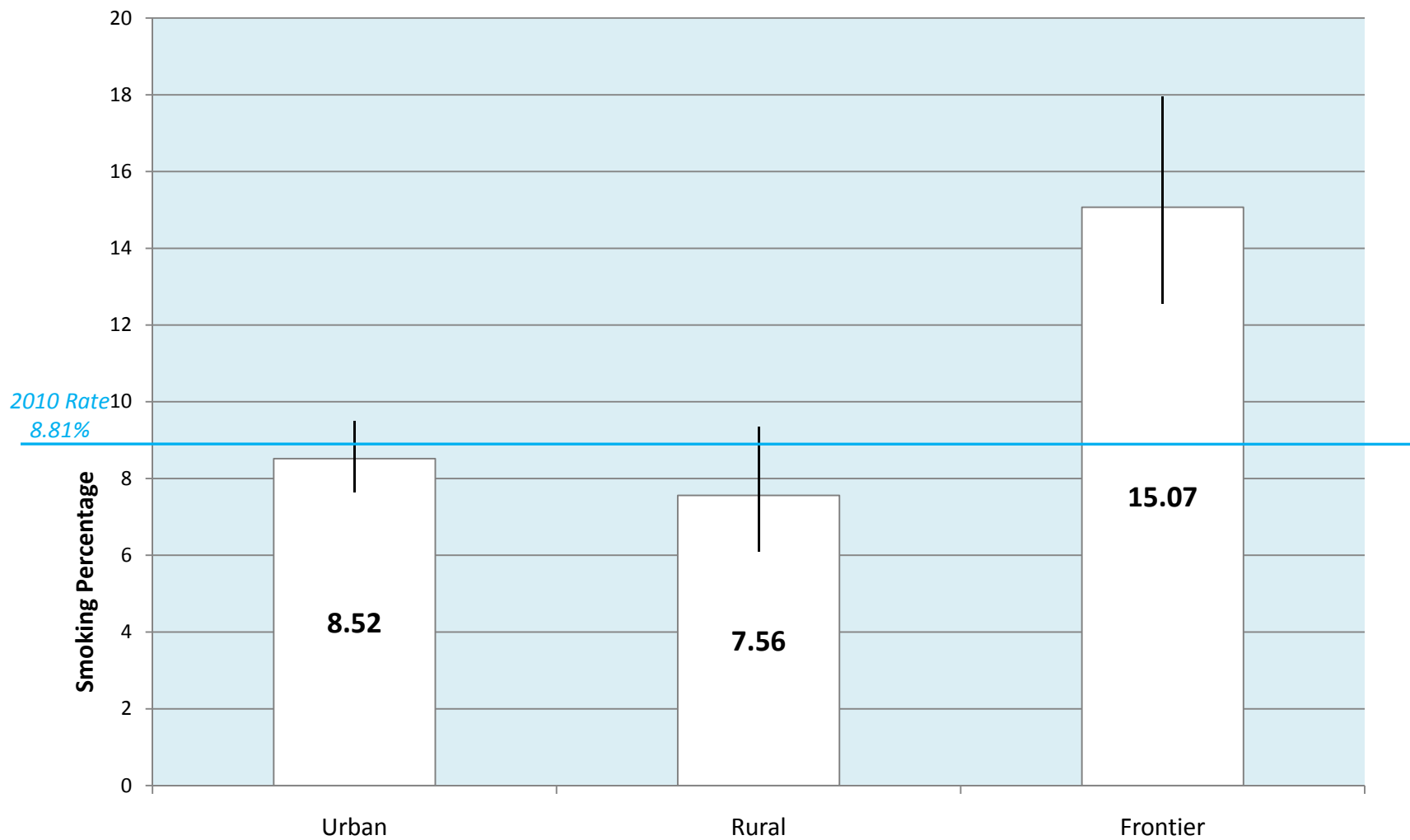
*Estimates are age-adjusted to the 2000 US standard population.

**Figure 31. Cigarette Smoking Among Utah Adults* by Ethnicity/Race
BRFSS 2010**



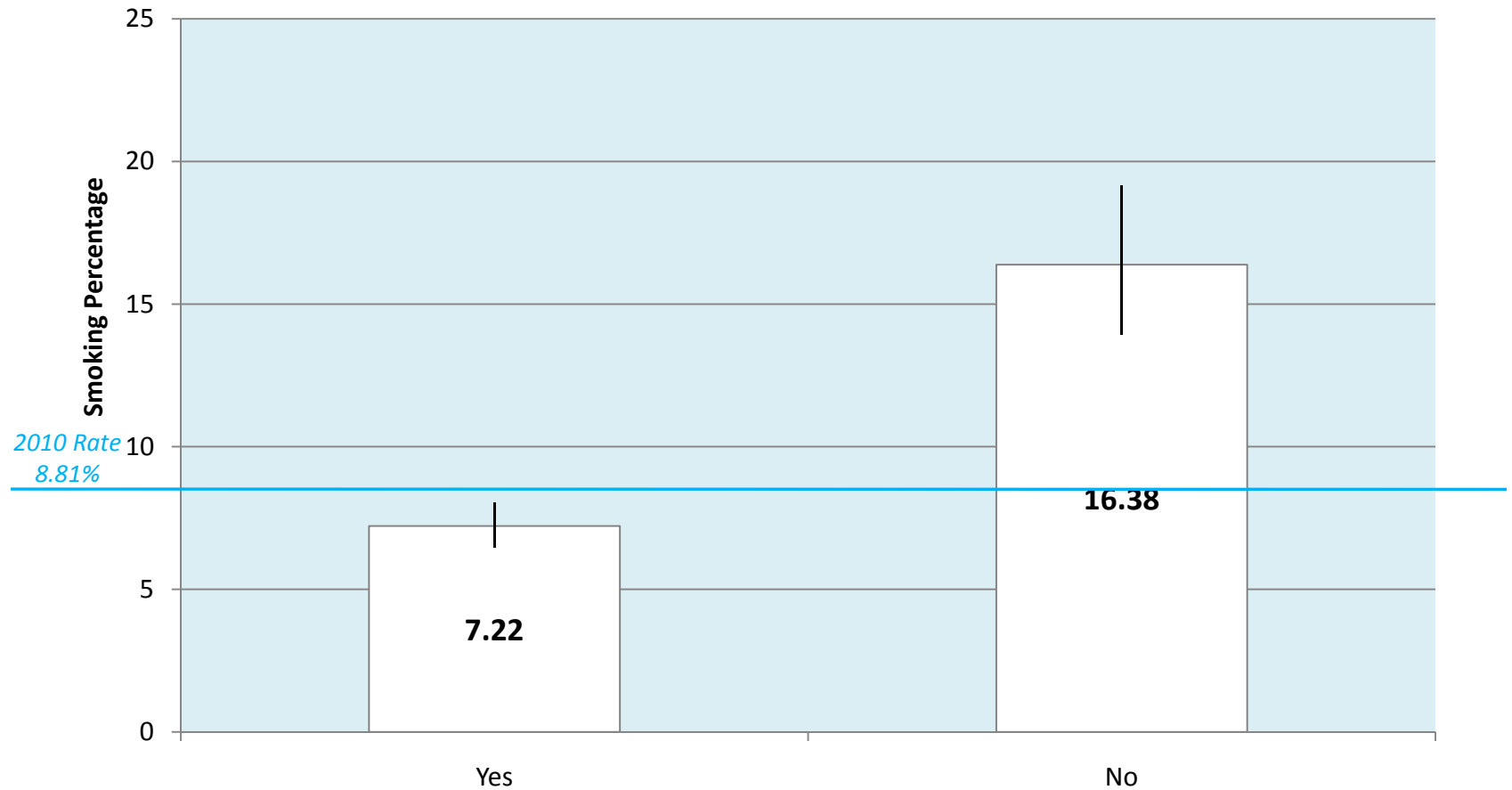
***Estimates are age-adjusted to the 2000 US standard population.**

**Figure 32. Cigarette Smoking Among Utah Adults* by Geographic Area
BRFSS 2010**



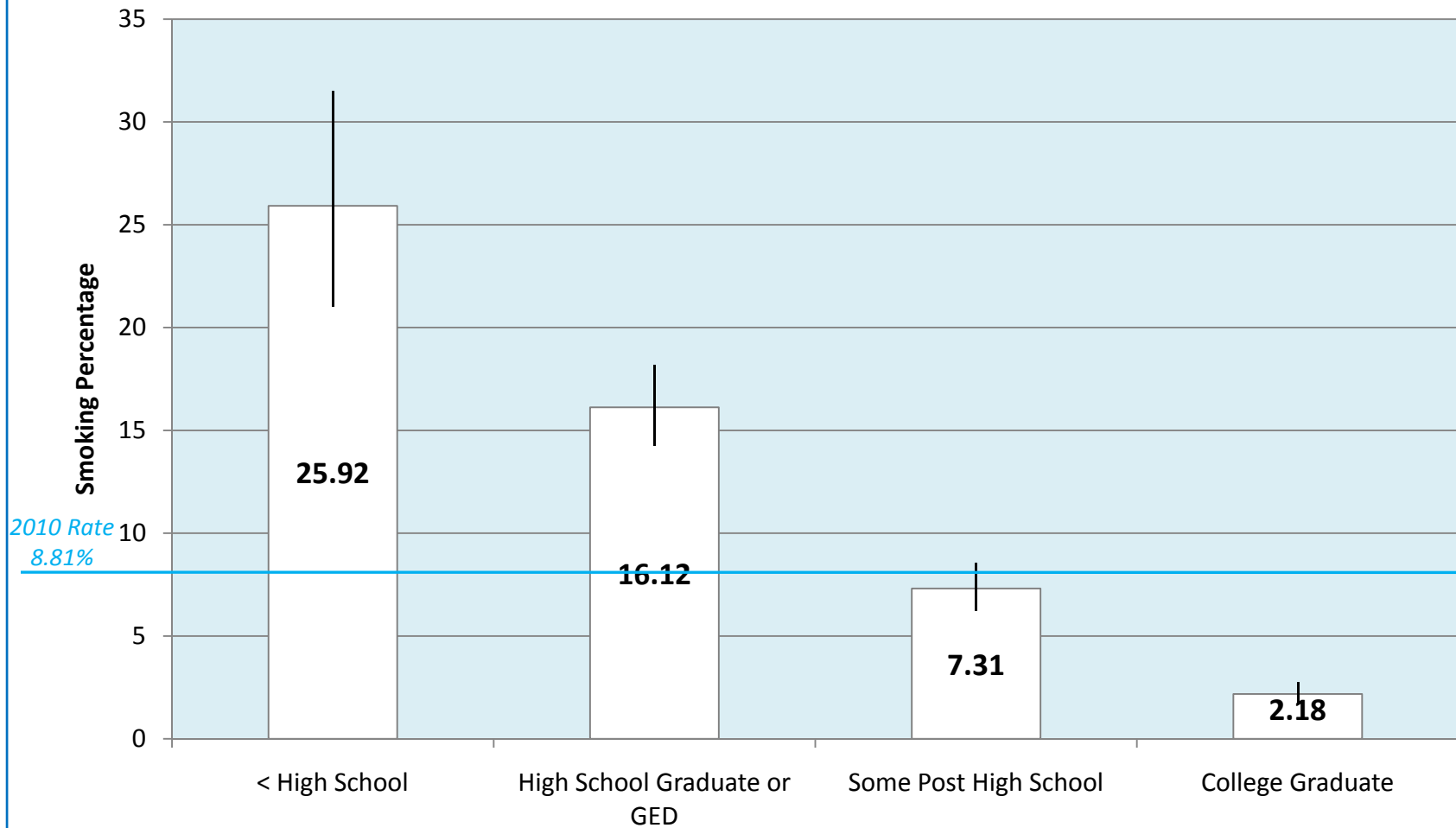
*Estimates are age-adjusted to the 2000 US standard population.

Figure 33. Cigarette Smoking Among Utah Adults* by Insurance Status, BRFSS 2010



*Estimates are age-adjusted to the 2000 US standard population.

Figure 34. Cigarette Smoking Among Utah Adults* by Education, BRFSS 2010



*Estimates are age-adjusted to the 2000 US standard population.

**Figure 35. Current Youth Cigarette Use by School Grade, Utah, YRBS
2003, 2005, 2007**

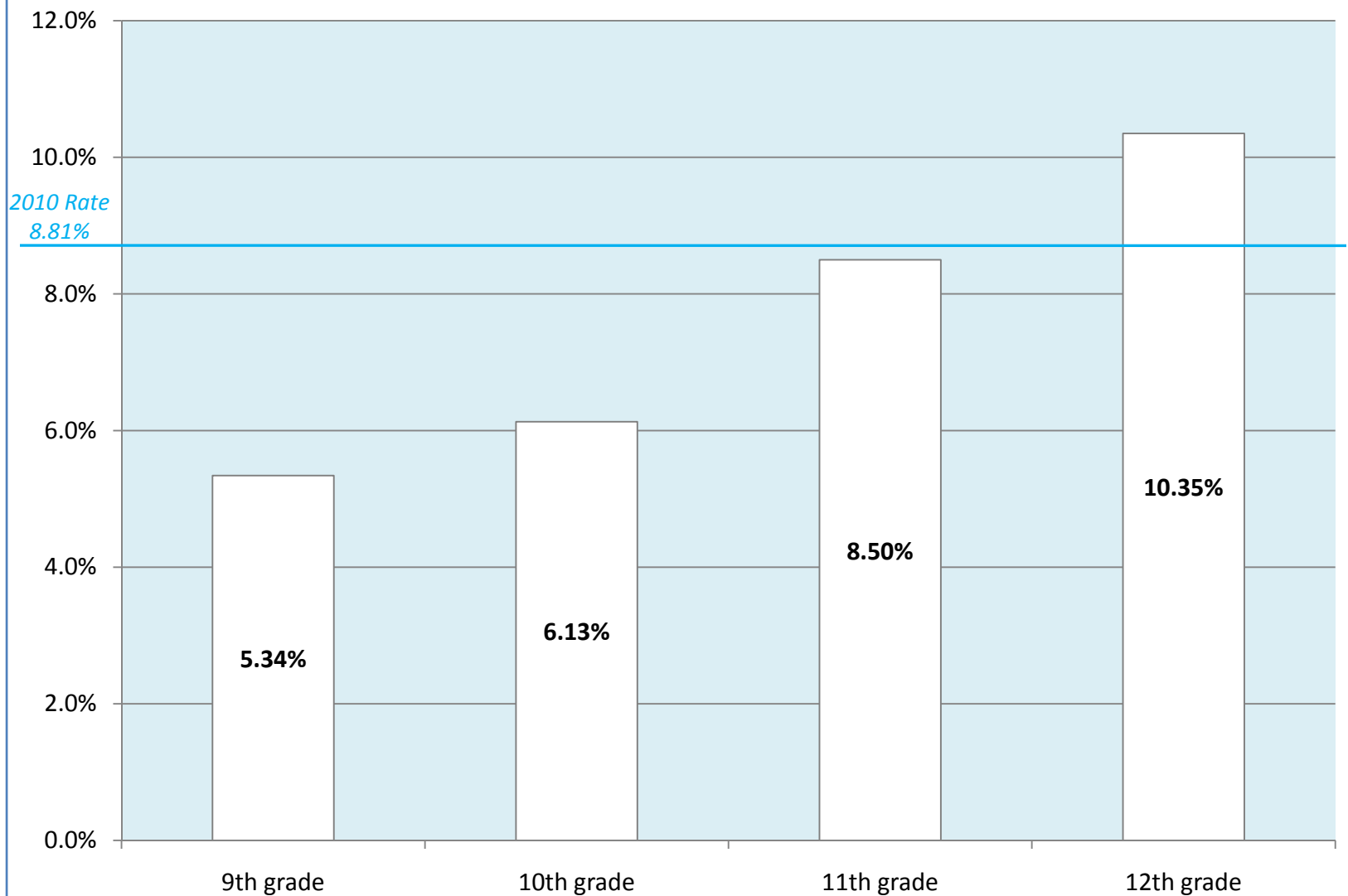
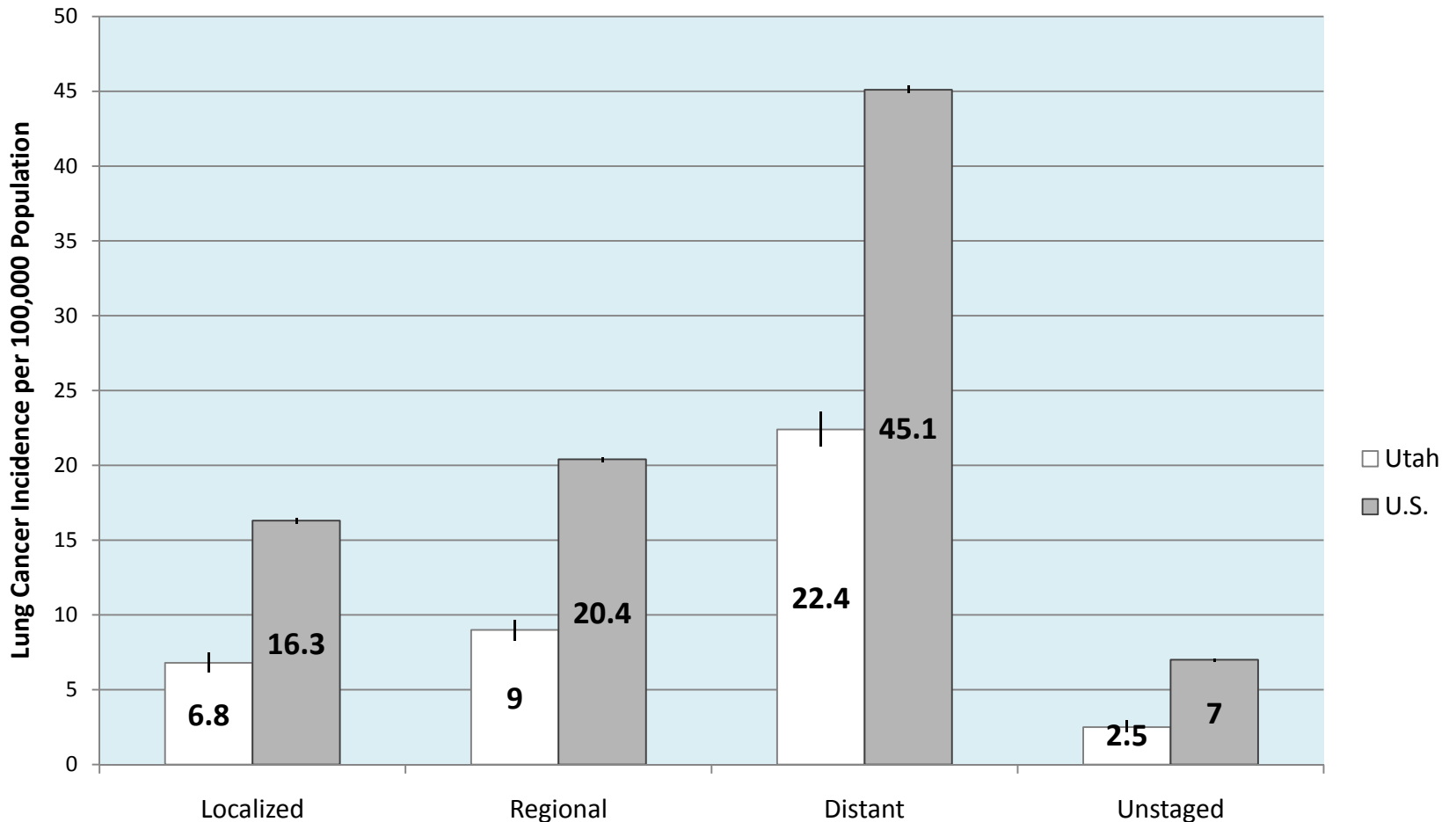


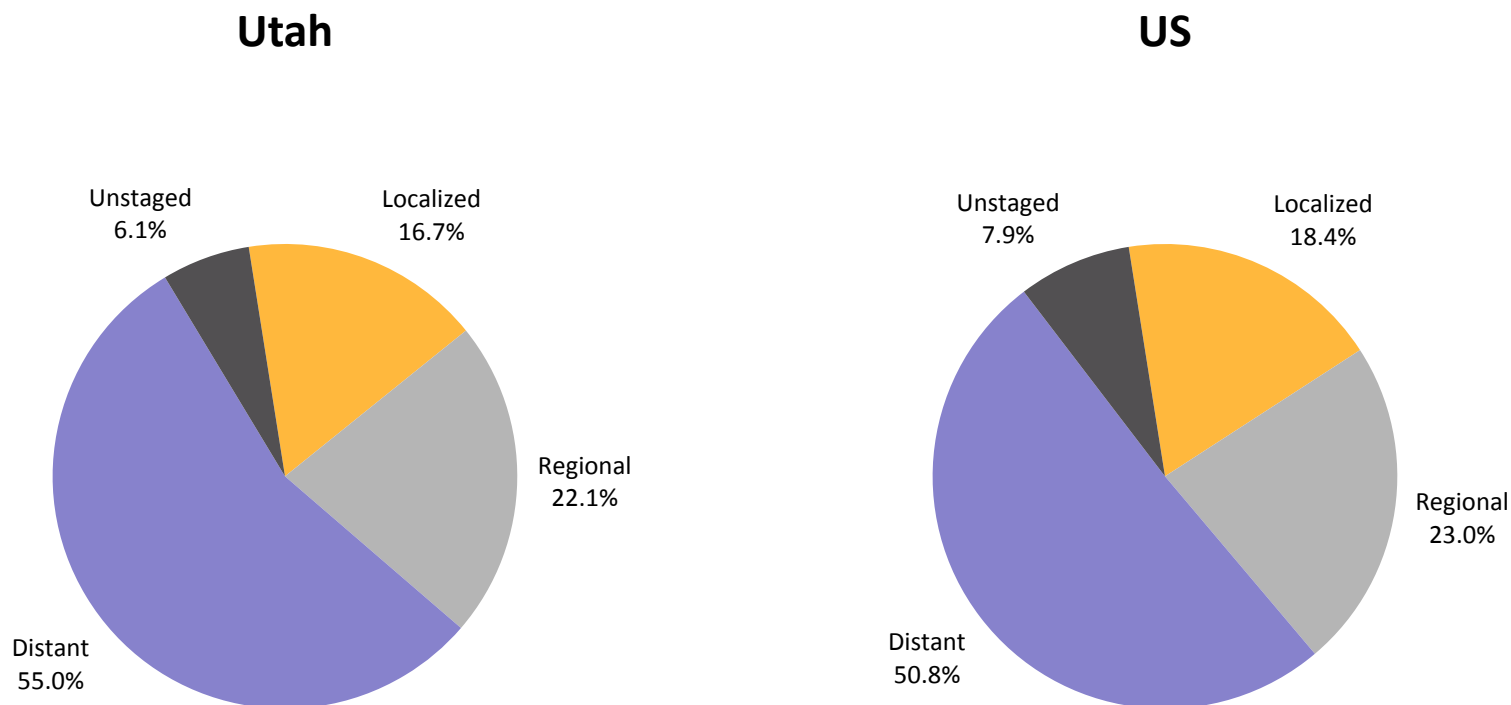
Figure 36. Lung Cancer Incidence in Adults Ages 20 and Older*, by Stage, Utah vs. U.S. 2003-2007



*Rates are age-adjusted to the 2000 US standard population.

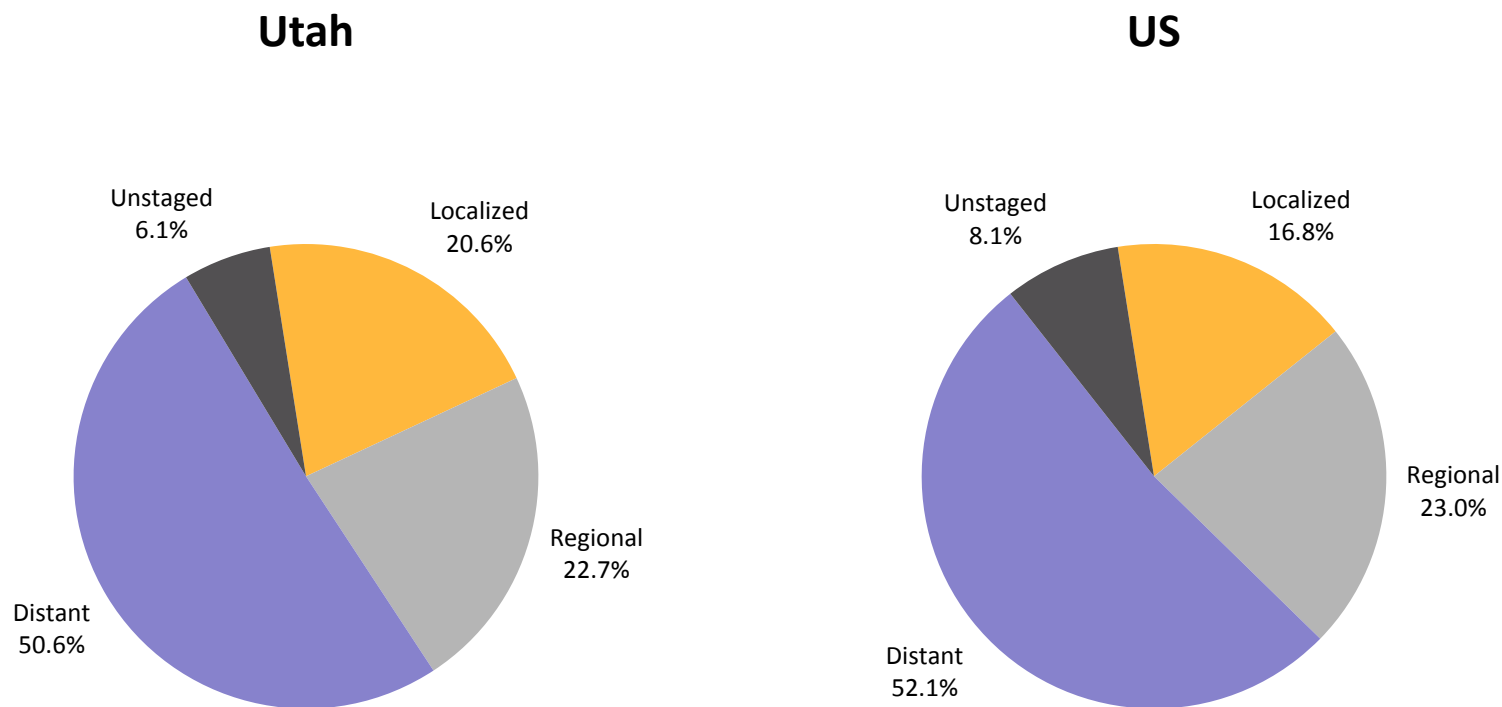
Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence

Figure 37. Lung Cancer Incidence by Stage, Utah vs. US*, 2003-2007



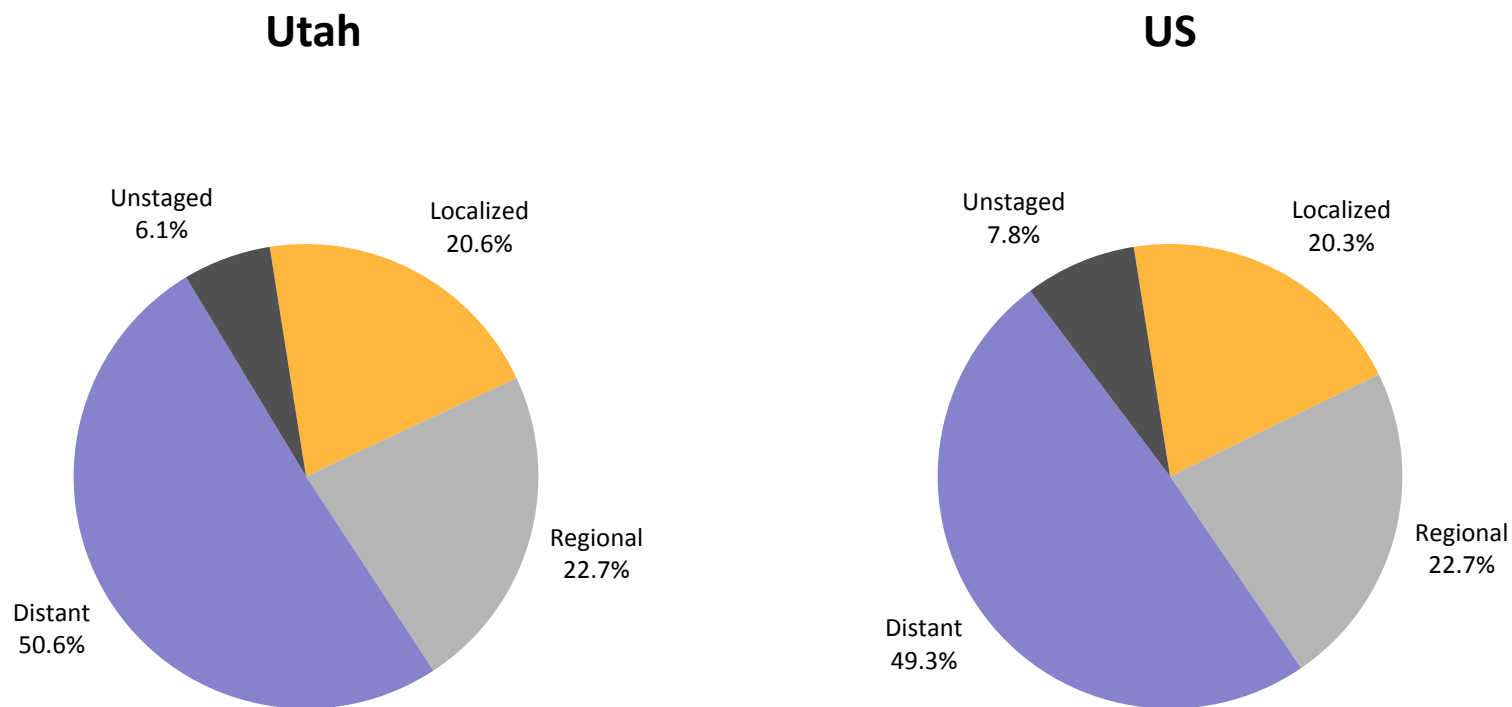
Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.

Figure 38. Male Lung Cancer Incidence by Stage, Utah vs. US*, 2003-2007



Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.

Figure 39. Female Lung Cancer Incidence by Stage, Utah vs. US*, 2003-2007



Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.



SUN SAFETY AS AN INDICATOR FOR MELANOMA

Table 9. Current Sun Safety Trends

Year	Utah	US
2007	65.90%	NA
2008	64.85%	NA
2009	65.60%	NA
2010	65.04%	NA

Source: BRFSS

SUN SAFETY

Sun Safety Practices

Utah Adults 18+

2010
65.0%

Target 2015
80.1%

Significant Difference?

<u>Age</u>	<u>Race/Ethnicity</u>	<u>Geography</u>	<u>Insurance</u>	<u>Sex</u>	<u>Education</u>
Yes	No	No	No	No	No

Figure 40. Sun Safety Practices Among Utah Adults by Age, BRFSS 2010

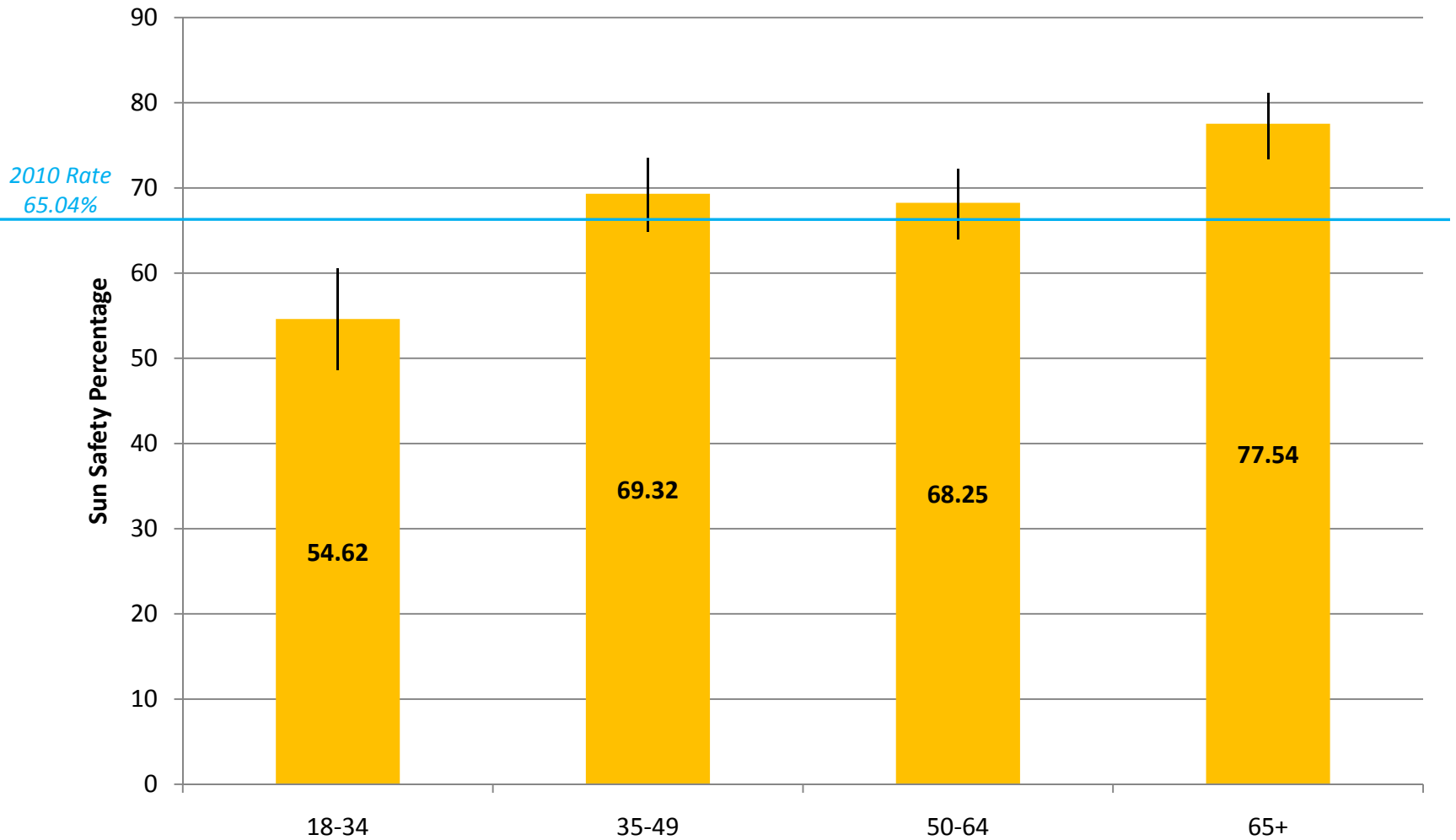
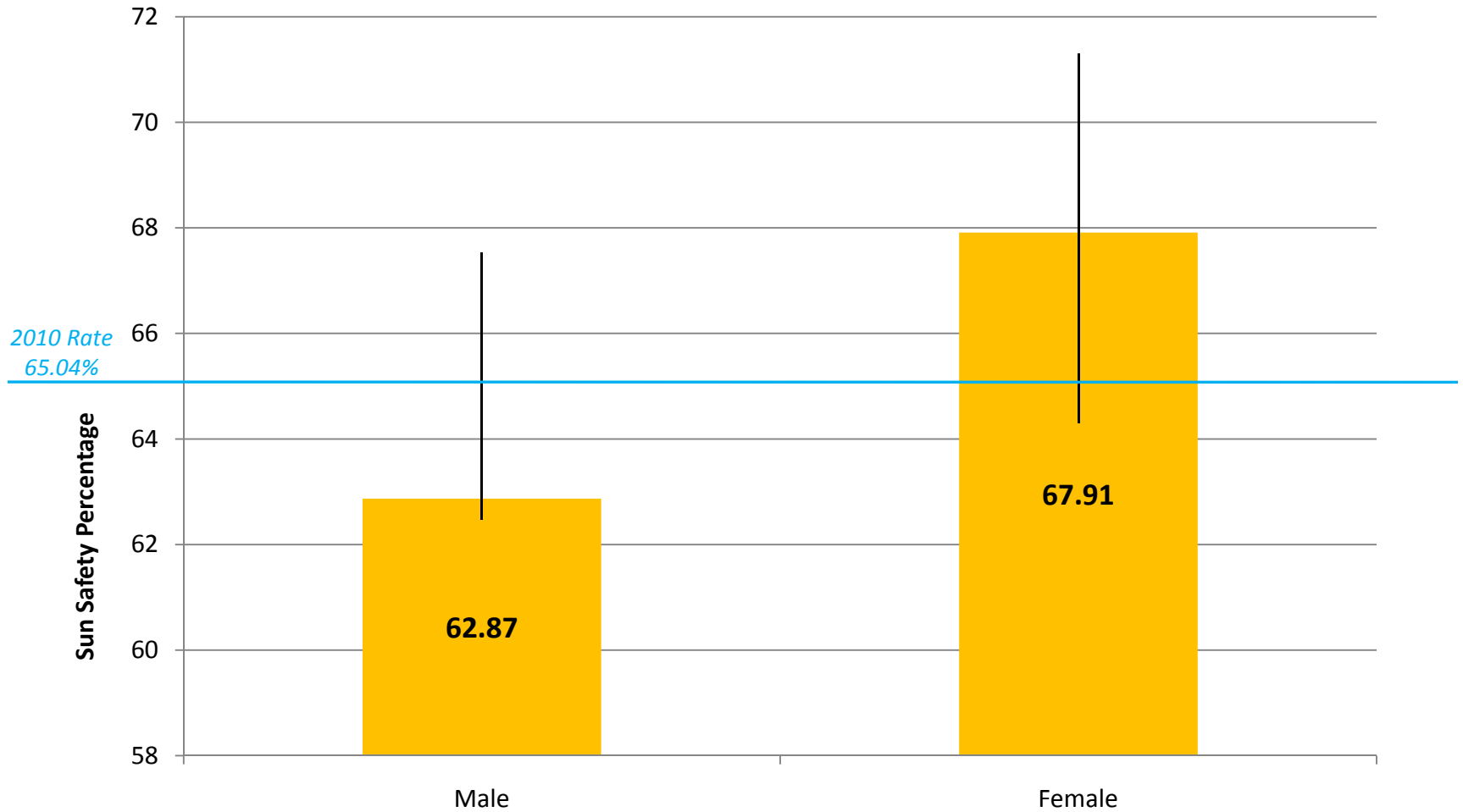
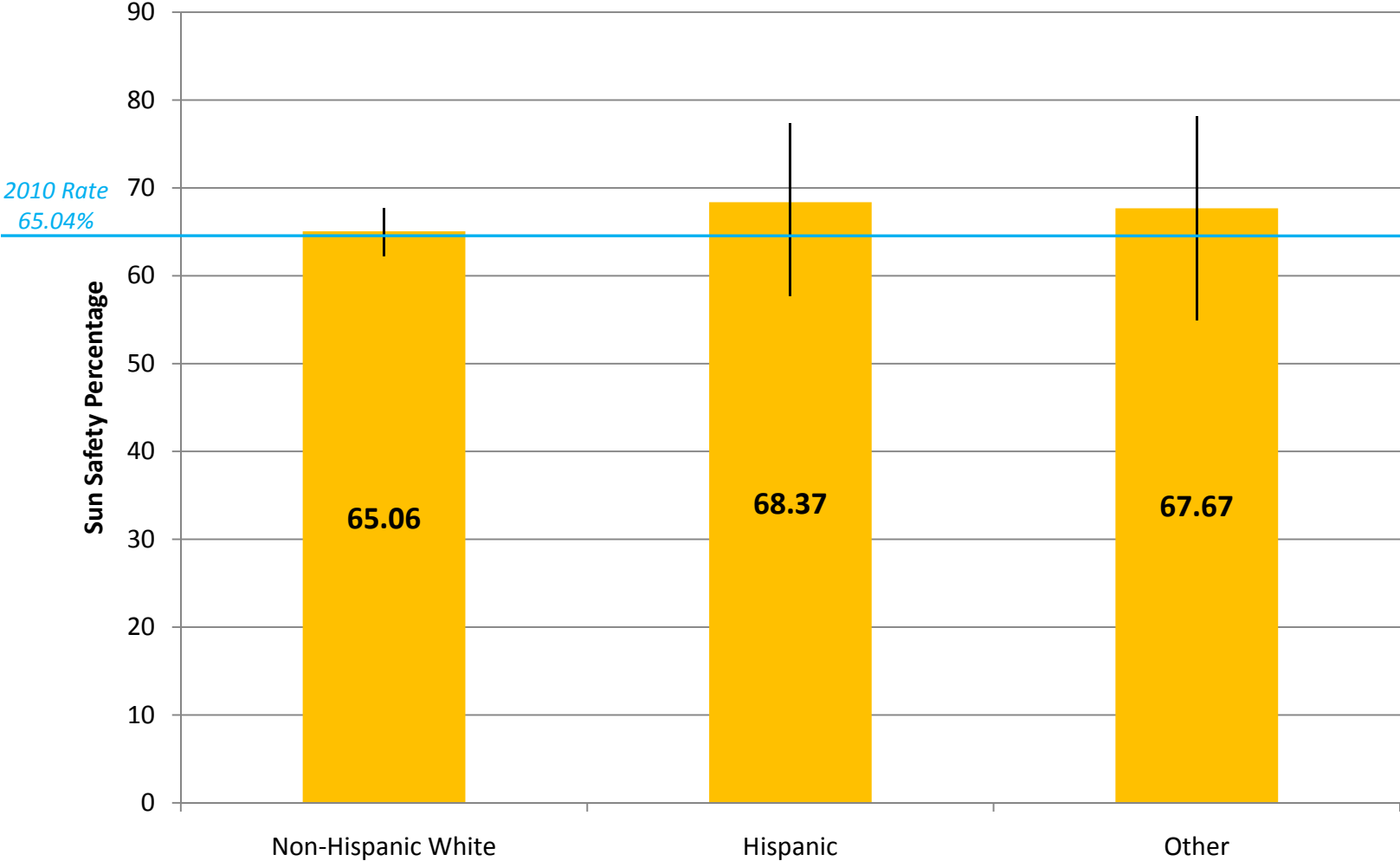


Figure 41. Sun Safety Practices Among Utah Adults* by Sex, BRFSS 2010



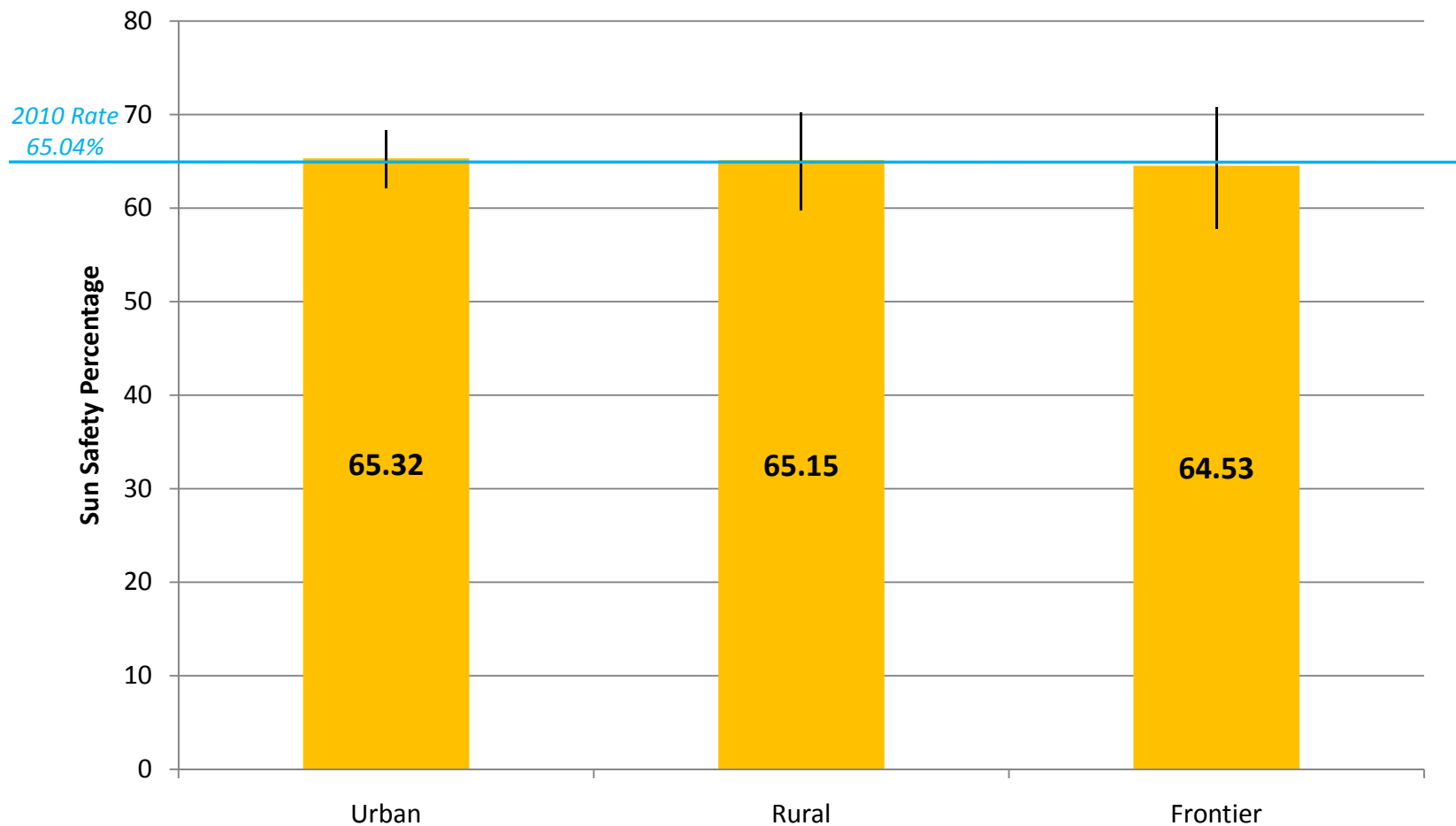
***Estimates are age-adjusted to the 2000 US standard population.**

Figure 42. Sun Safety Practices Among Utah Adults* by Ethnicity/Race, BRFSS 2010



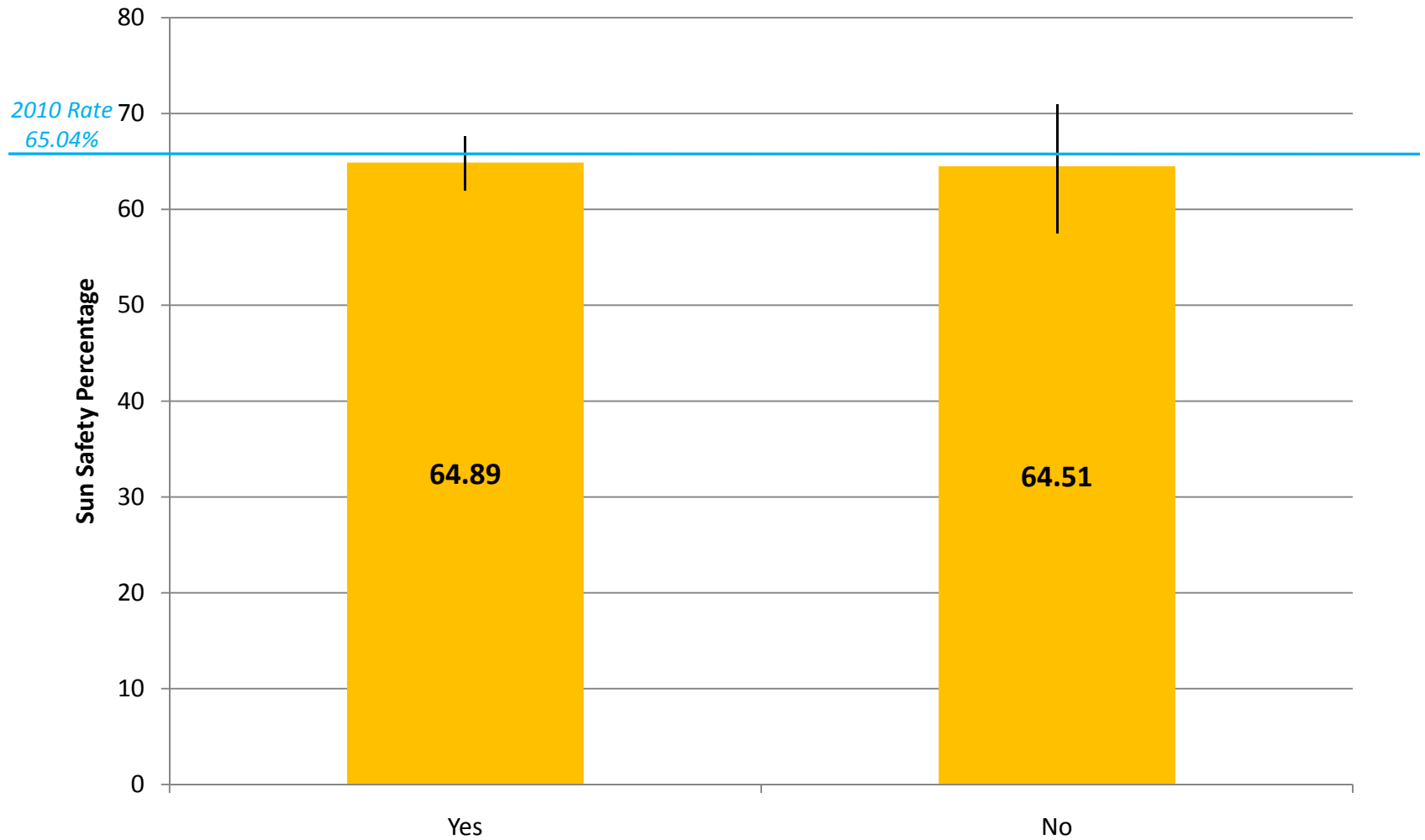
*Estimates are age-adjusted to the 2000 US standard population.

Figure 43. Sun Safety Practices Among Utah Adults* by Geographic Area, BRFSS 2010



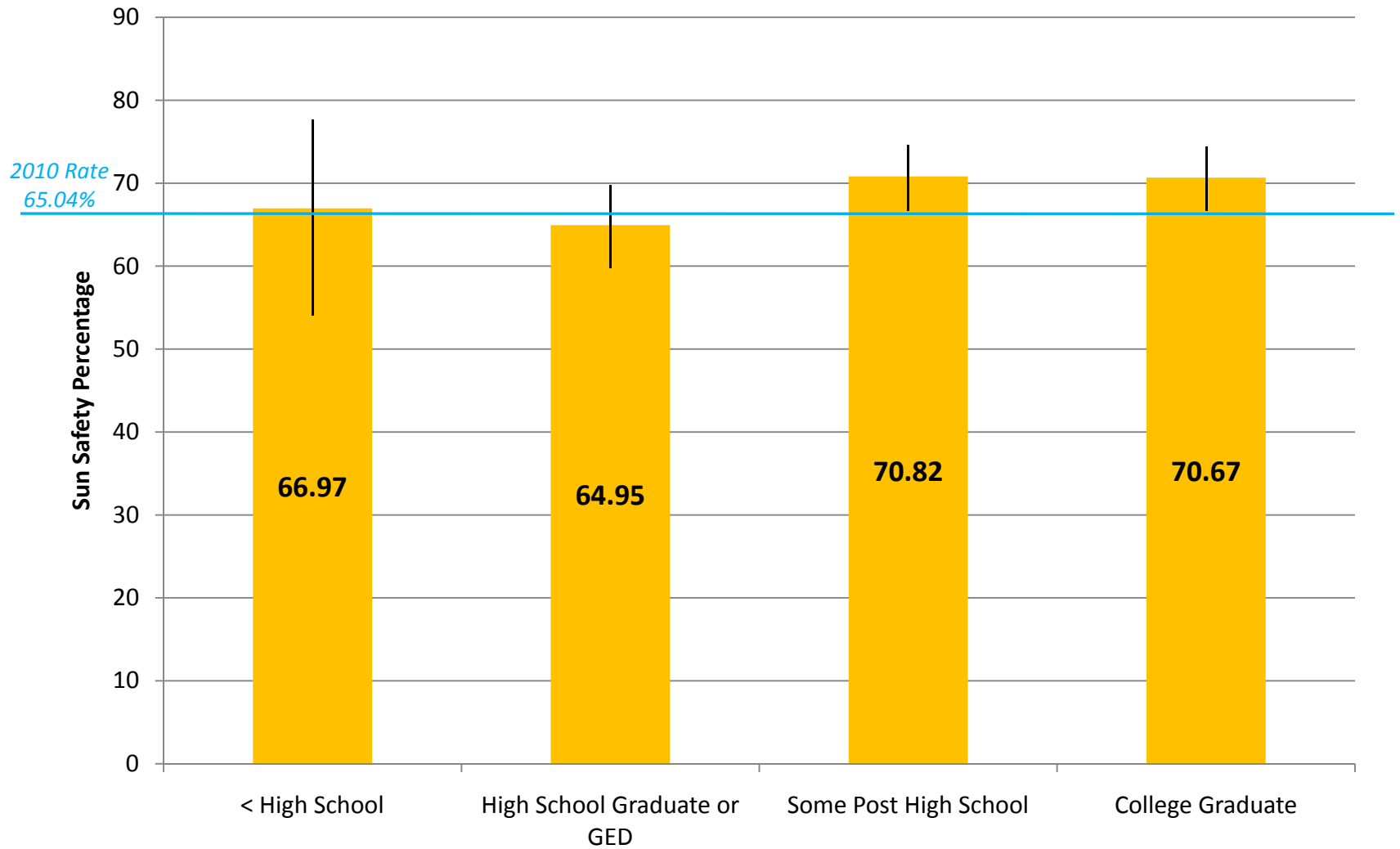
*Estimates are age-adjusted to the 2000 US standard population.

Figure 44. Sun Safety Practices Among Utah Adults* by Health Insurance Status, BRFSS 2010



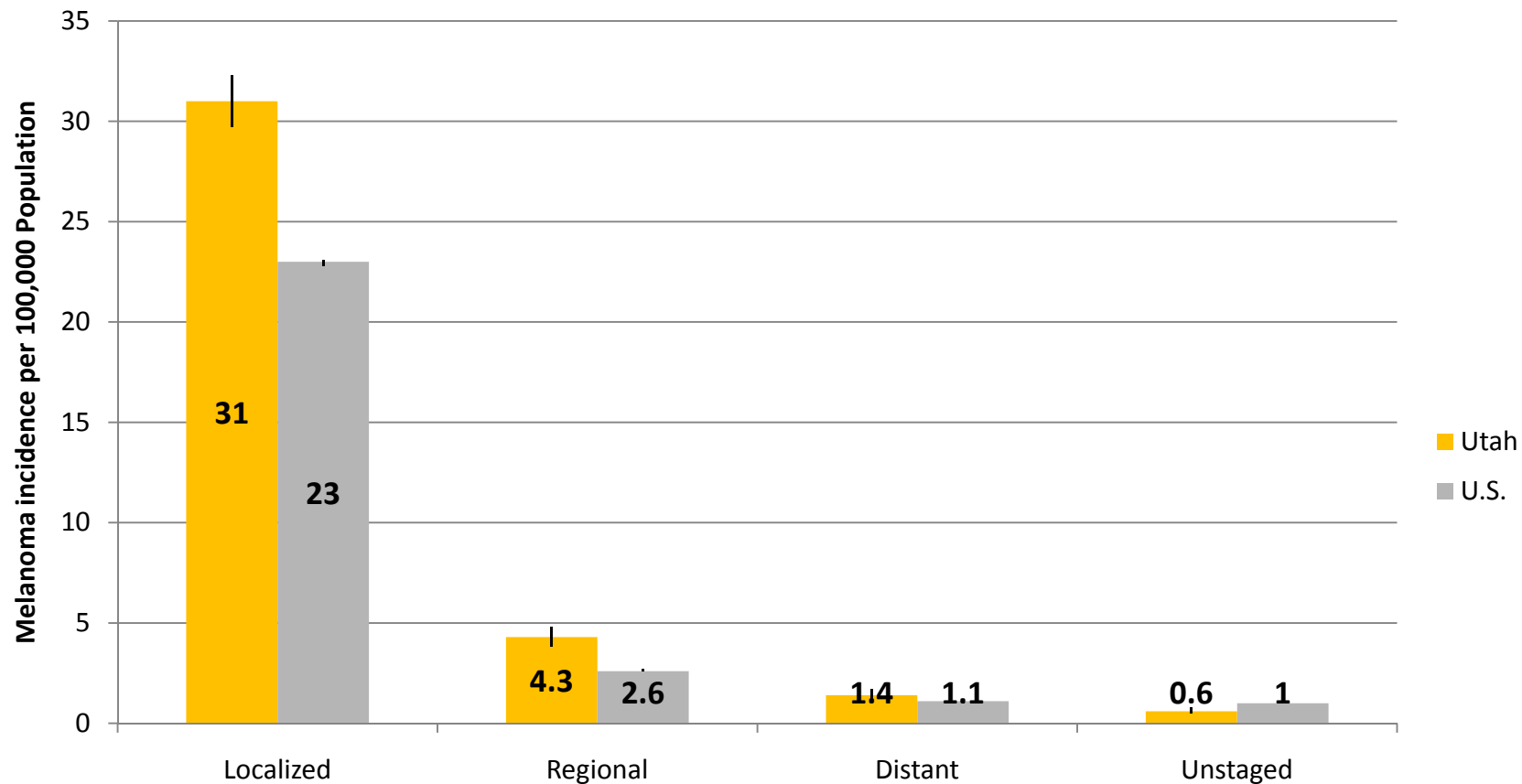
*Estimates are age-adjusted to the 2000 US standard population.

Figure 45. Sun Safety Practices Among Utah Adults* by Education, BRFSS 2010



***Estimates are age-adjusted to the 2000 US standard population.**

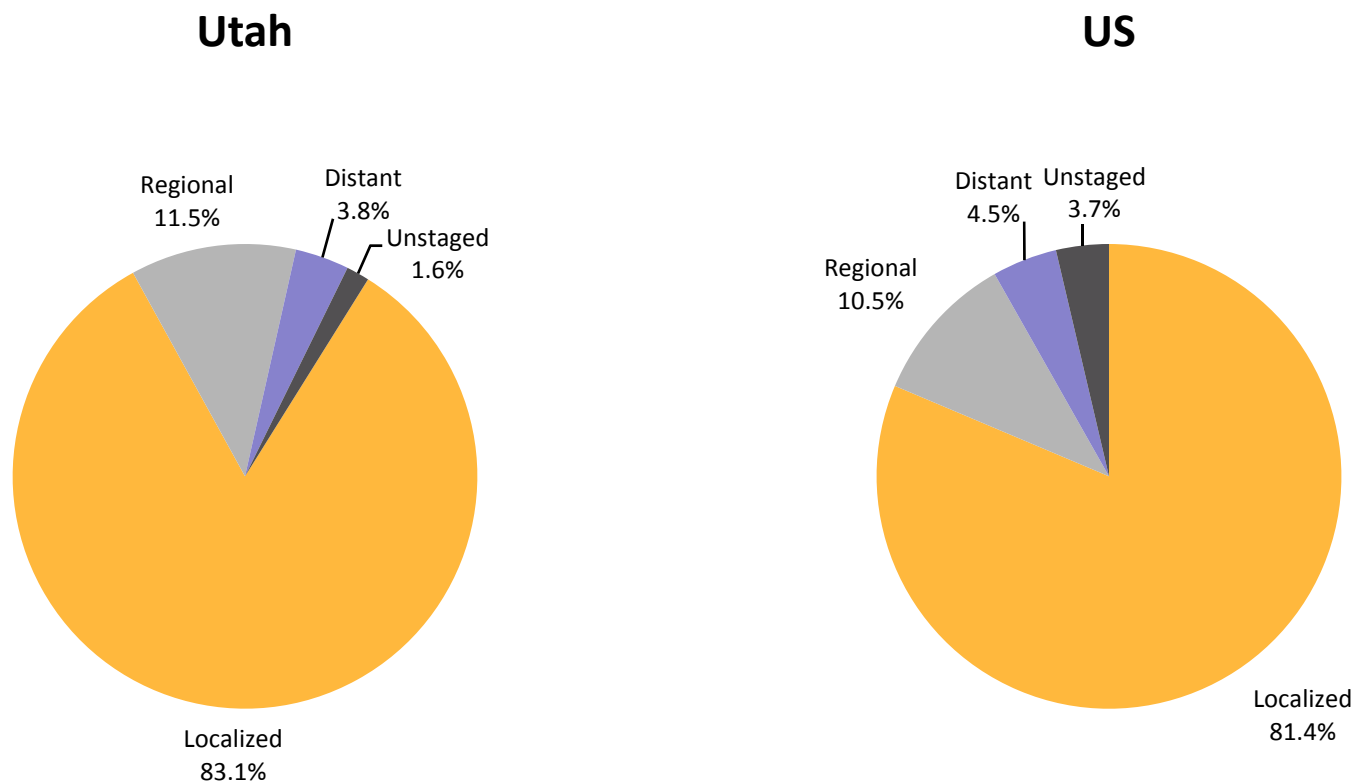
Figure 46. Melanoma Incidence in Adults Ages 20 and Older*, by Stage, Utah vs. U.S. 2003-2007



*Rates are age-adjusted to the 2000 US standard population.

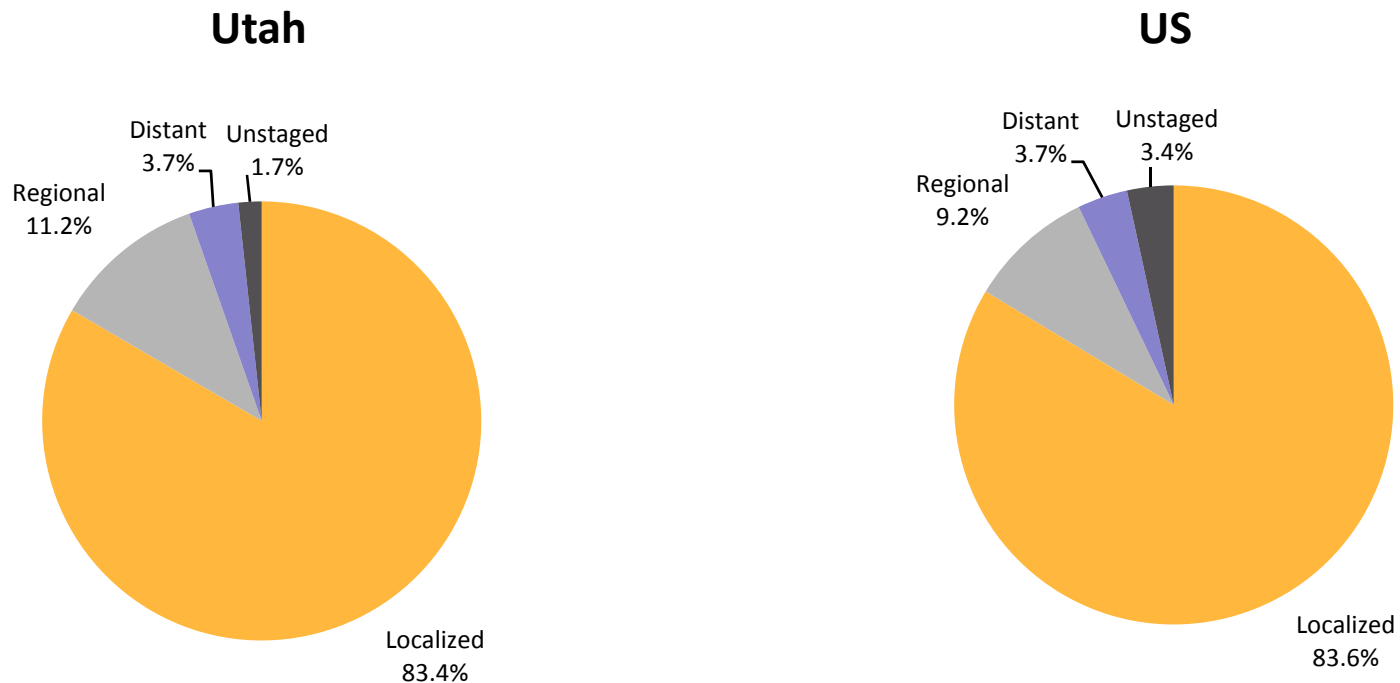
Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence

Figure 47. Melanoma Incidence by Stage, Utah vs. US*, 2003-2007



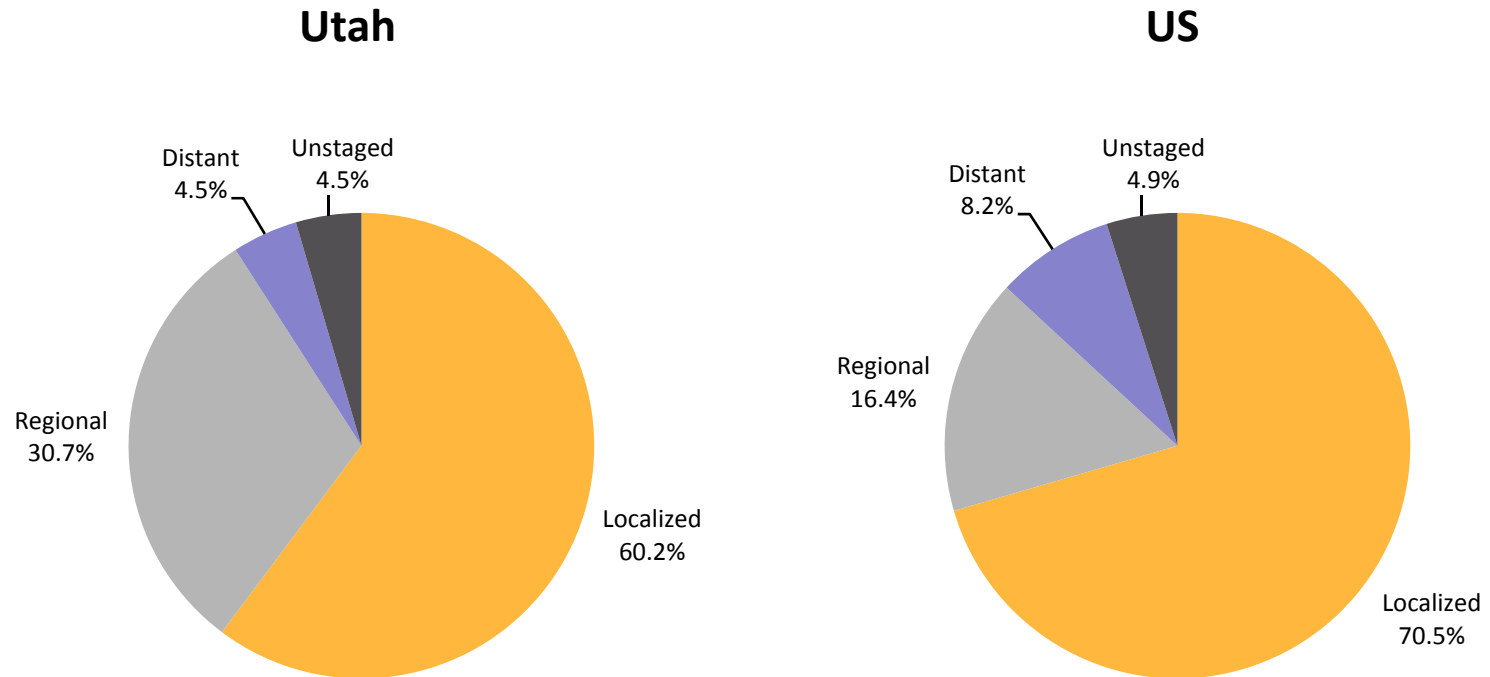
Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.

Figure 48. Melanoma Incidence in Non-Hispanic Whites by Stage, Utah vs. US*, 2003-2007



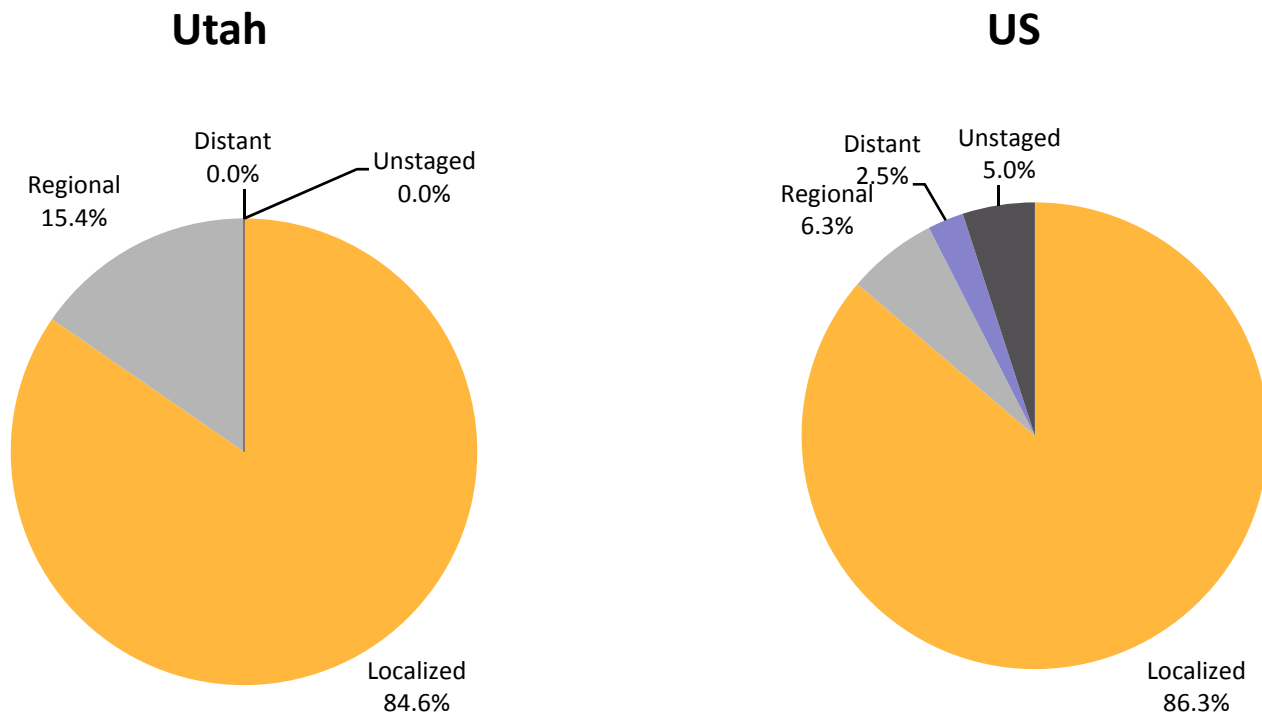
Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.

Figure 49. Melanoma Incidence in Hispanics by Stage, Utah vs. US*, 2003-2007



Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.

Figure 50. Melanoma Incidence in Other Races by Stage, Utah vs. US*, 2003-2007



Source: Utah Cancer Registry (UCR), Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence
*Estimates are age-adjusted to the 2000 US standard population.

Wrap Up

- Future reports
- Comments
- Questions

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