

Section 36  
Arizona Indians

Cancer surveillance for American Indians in Arizona is jointly conducted by the New Mexico Tumor Registry (NMTR), the Arizona Cancer Registry (ACR), and the Indian Health Service (IHS). NMTR abstractors routinely visit IHS facilities in Arizona to document cancer among American Indians in the state; information for American Indian cancer cases that are seen outside of the IHS are documented by the ACR. Cancer surveillance for American Indians in Arizona is conducted in accordance with prevailing standards promulgated by the SEER Program, the National Program in Cancer Registries, the North American Association of Central Cancer Registries, and the American College of Surgeons.

Table 36.01

Age-adjusted Rates for the Top 10 Cancer Sites<sup>a</sup> by Sex  
Arizona Indians, 2005-2008

Both Sexes <sup>b</sup>	Count	Rate	Standard		
			Error	Lower CI	Upper CI
All Sites	2,059	247.3	5.7	236.2	258.7
Colon and Rectum	218	26.6	1.9	23.1	30.6
Kidney and Renal Pelvis	171	20.9	1.7	17.8	24.4
Lung and Bronchus	99	13.2	1.4	10.6	16.1
Stomach	81	11.0	1.3	8.6	13.7
Non-Hodgkin Lymphoma	76	9.3	1.1	7.2	11.7
Liver & IBD <sup>c</sup>	67	8.7	1.1	6.6	11.1
Pancreas	51	7.0	1.0	5.2	9.2
Thyroid	64	6.3	0.8	4.8	8.1
Myeloma	44	5.5	0.9	4.0	7.5
Oral Cavity and Pharynx	46	5.3	0.8	3.8	7.1

Males	Count	Rate	Standard		
			Error	Lower CI	Upper CI
All Sites	1,012	286.1	9.7	267.4	305.6
Prostate	230	76.0	5.3	66.0	86.9
Kidney and Renal Pelvis	113	32.5	3.3	26.4	39.6
Colon and Rectum	118	31.3	3.1	25.5	37.8
Stomach	53	16.8	2.5	12.3	22.2
Lung and Bronchus	54	16.6	2.4	12.3	21.8
Liver & IBD <sup>c</sup>	50	14.2	2.2	10.3	19.1
Non-Hodgkin Lymphoma	31	8.3	1.6	5.4	12.0
Oral Cavity and Pharynx	31	8.0	1.5	5.3	11.6
Pancreas	25	8.0	1.7	5.0	11.9
Esophagus	22	7.3	1.7	4.5	11.2

Females	Count	Rate	Standard		
			Error	Lower CI	Upper CI
All Sites	1,047	221.4	7.1	207.7	235.6
Breast	246	49.9	3.2	43.7	56.6
Colon and Rectum	100	22.5	2.3	18.2	27.5
Corpus and Uterus, NOS	107	21.4	2.1	17.5	25.9
Kidney and Renal Pelvis	58	12.3	1.7	9.2	16.0
Ovary	57	11.5	1.6	8.6	15.0
Lung and Bronchus	45	10.6	1.6	7.7	14.2
Non-Hodgkin Lymphoma	45	10.1	1.6	7.3	13.6
Cervix Uteri	48	9.2	1.3	6.7	12.2
Thyroid	48	8.9	1.3	6.5	11.9
Gallbladder	28	7.0	1.4	4.6	10.1

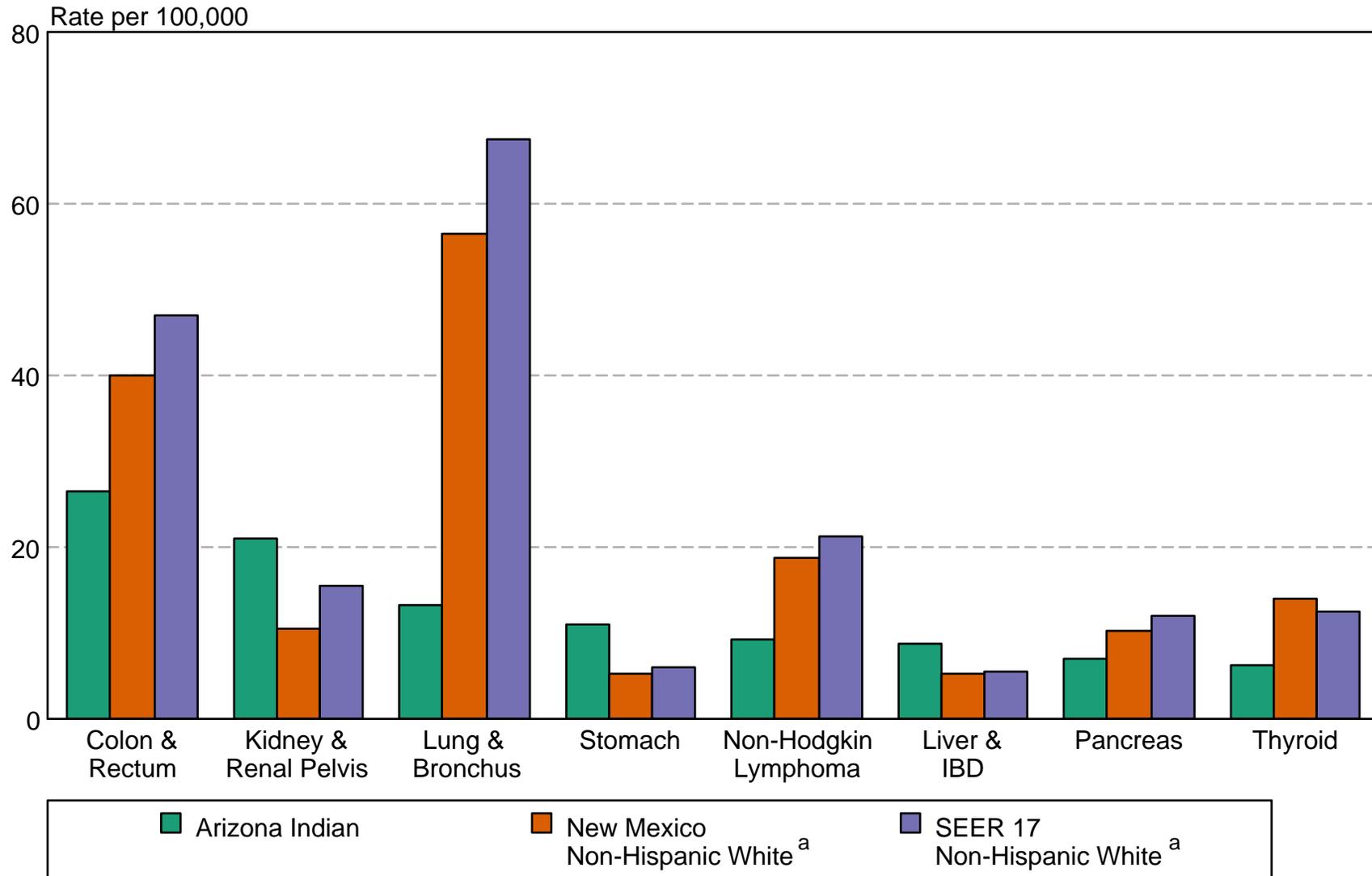
Source: SEER Arizona Indian Registry.

<sup>a</sup> Top 10 cancer sites selected based on 2005-2008 rates.

<sup>b</sup> Sex-specific cancer sites including cancer of the breast were not included for the both sexes category.

<sup>c</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

## Age-Adjusted Cancer Incidence Rates among Arizona Indians, New Mexico Non-Hispanic Whites and SEER 17 Non-Hispanic Whites Both Sexes, By Cancer Site, 2005-2008



Source: SEER Arizona Indian Registry and SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey).

<sup>a</sup> Incidence data for Non-Hispanic Whites are based on NHIA and exclude cases from the Alaska Native Registry when applicable.

## Age-Adjusted Cancer Incidence Rates among Arizona Indians, New Mexico Non-Hispanic Whites and SEER 17 Non-Hispanic Whites Males, By Cancer Site, 2005-2008

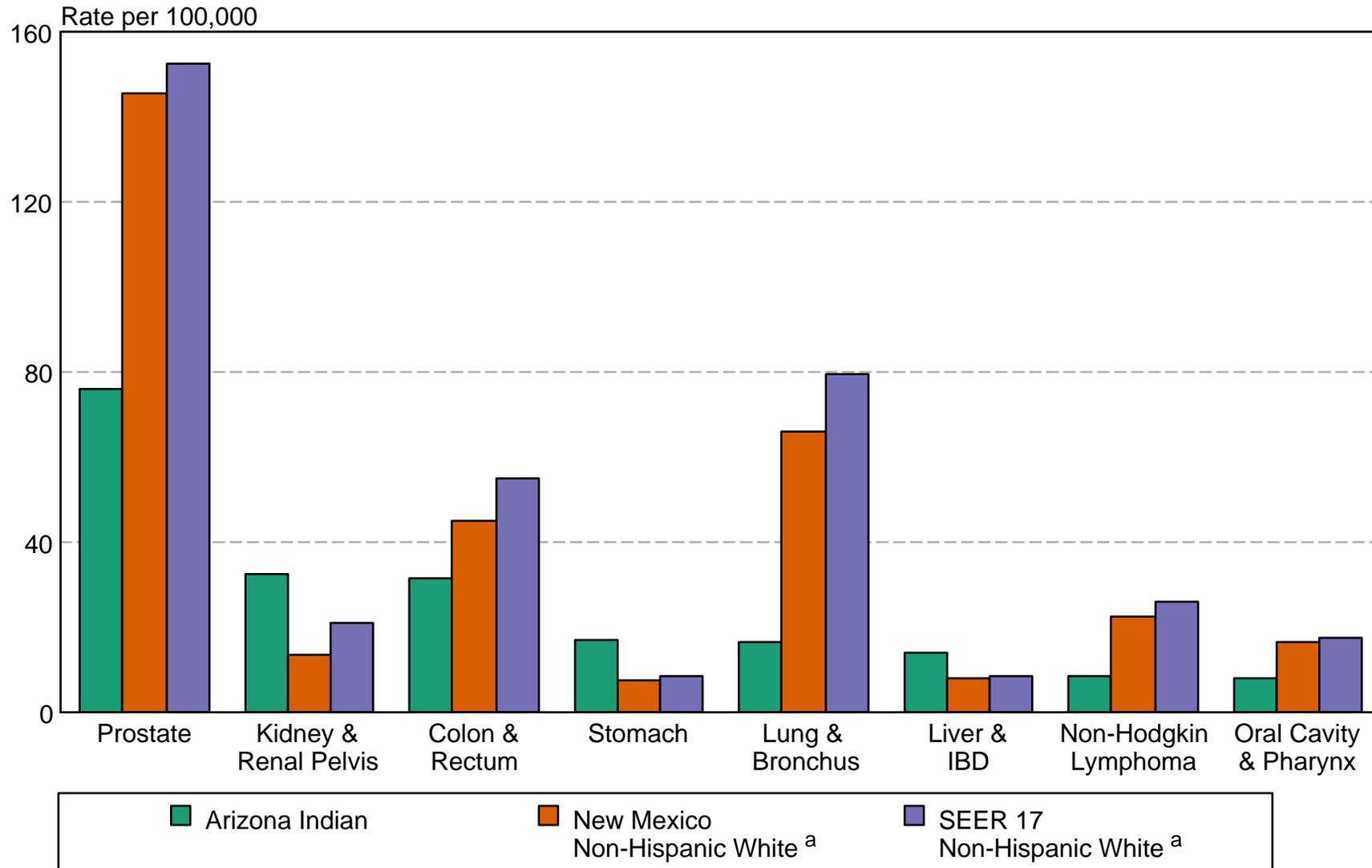


Figure 36.2

Source: SEER Arizona Indian Registry and SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey).  
<sup>a</sup> Incidence data for Non-Hispanic Whites are based on NHIA and exclude cases from the Alaska Native Registry when applicable.

## Age-Adjusted Cancer Incidence Rates among Arizona Indians, New Mexico Non-Hispanic Whites and SEER 17 Non-Hispanic Whites Females, By Cancer Site, 2005-2008

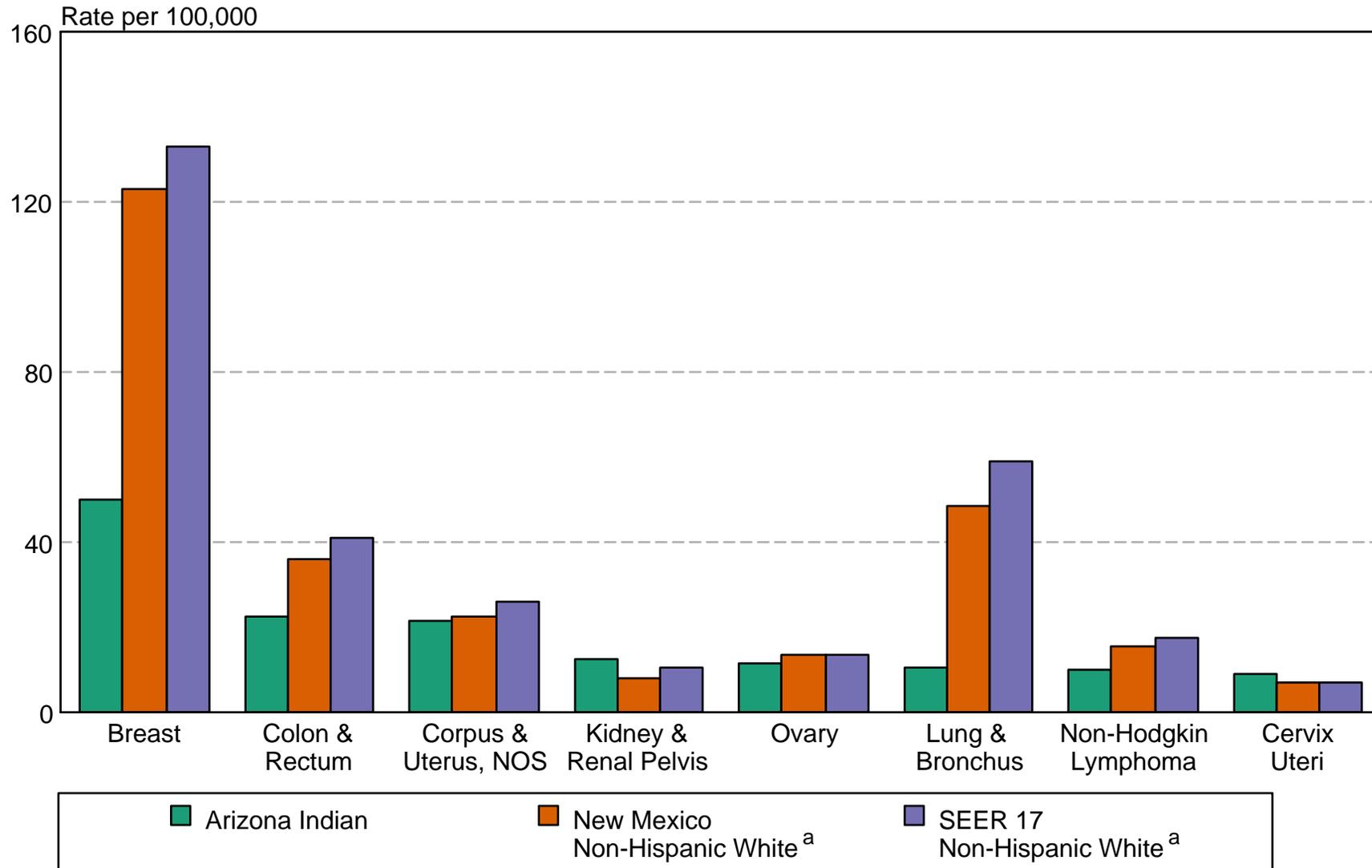


Figure 36.3

Source: SEER Arizona Indian Registry and SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana, and New Jersey).  
<sup>a</sup> Incidence data for Non-Hispanic Whites are based on NHIA and exclude cases from the Alaska Native Registry when applicable.