

## TOP 10 CANCERS IN LOS ANGELES COUNTY

Cancer incidence and mortality display distinct risk patterns by gender and race/ethnicity. These differences are of great importance and contain clues for understanding the disease and developing effective cancer control measures. The following provides the summary of the top 10 most common cancers by incidence and mortality for each of the sex and racial/ethnic groups.

## Incidence

Table A shows the ranking and age-adjusted incidence rates (AAIR) for the top 10 cancers in Los Angeles County by sex and race/ethnicity during 2001-2005. Among men, prostate cancer and lung cancers are the top two cancers. Although the order of these two cancers remains the same across racial/ethnic groups, there are marked differences in risk of developing each of these diseases by race/ethnicity. For example, with AAIR of 238.8 per 100,000 Population, non-Hispanic black (NHB) men are at the highest risk of prostate cancer, followed by non-Hispanic white (NHW) men (149.4), Hispanic (H) men (139.3), and non-Hispanic Asian/Pacific Islander (NHA/PI) men (94.3). Bladder, colon, non-Hodgkin lymphoma and rectal cancers also appear in the top 10 list for every racial/ethnic group, with various AAIRs and ranking orders. Stomach, kidney, leukemia and pancreas are among the top 10 for most of the racial/ethnic groups. Liver cancer is the 4<sup>th</sup> in NHA/PI men and 9<sup>th</sup> in H men. Melanoma of the skin ranks as the 5<sup>th</sup> most common cancer for NHW men, but is not even among the top 10 cancers for any other groups.

Table A. Age-adjusted incidence rates (AAIR) per 100,000 for ten most common cancer diagnoses by sex and race/ethnicity, Los Angeles County, 2001-2005

Rank	ALL RACES		NH WHITE		NH BLACK		HISPANIC		NH A/PI	
	Cancer	AAIR	Cancer	AAIR	Cancer	AAIR	Cancer	AAIR	Cancer	AAIR
<b>Males</b>										
1	Prostate	155.4	Prostate	149.4	Prostate	238.8	Prostate	139.3	Prostate	94.3
2	Lung	61.4	Lung	67.8	Lung	101.6	Lung	37.3	Lung	55.6
3	Colon	38.7	Bladder	43.6	Colon	54.1	Colon	27.3	Colon	35.6
4	Bladder	32.5	Colon	41.6	Bladder	24.1	NH Lymphoma	18.5	Liver	23.1
5	NH Lymphoma	22	Melanoma	36.2	Kidney	20.2	Bladder	18.1	Stomach	23
6	Melanoma	19.2	NH Lymphoma	25.7	NH Lymphoma	19.1	Kidney	16.7	Bladder	19
7	Rectum	16.1	Kidney	17.3	Rectum	17.6	Stomach	16.5	Rectum	18.6
8	Kidney	15.9	Leukemia	17.2	Stomach	16.6	Rectum	13.8	NH Lymphoma	16.3
9	Leukemia	14.6	Rectum	16.2	Pancreas	15.4	Liver	13.7	Pancreas	9.6
10	Stomach	13.8	Pancreas	12.9	Multi. Myeloma	14.4	Leukemia	11.5	Leukemia	8.3
<b>Females</b>										
1	Breast	118.5	Breast	150.1	Breast	124.7	Breast	81.2	Breast	93.9
2	Lung	39.9	Lung	52.1	Lung	54.4	Colon	21	Colon	28.4
3	Colon	30.4	Colon	32.7	Colon	43.7	Lung	19.3	Lung	27.3
4	Uterus	21.7	Uterus	26	Uterus	19.9	Uterus	17.2	Uterus	17
5	NH Lymphoma	15	Melanoma	22.2	Pancreas	14.7	Cervix	16.3	Thyroid	14.2
6	Ovary	13.2	NH Lymphoma	17.3	Rectum	11.9	NH Lymphoma	13.5	Stomach	13.3
7	Thyroid	12.7	Ovary	15.7	NH Lymphoma	11.3	Ovary	12.1	Rectum	11.8
8	Cervix	10.9	Thyroid	15	Multi. Myeloma	10.5	Thyroid	11.7	NH Lymphoma	11.6
9	Melanoma	10.7	Rectum	11.1	Ovary	9.9	Stomach	10.5	Ovary	10.7
10	Rectum	10.6	Pancreas	10.4	Cervix	9.1	Pancreas	9.4	Cervix	10.2

For women, the most common cancer site is breast, with the highest AAIR of 150.1 for NHW women and lowest AAIR of 81.2 for H women. Lung, colon, uterus, non-Hodgkin lymphoma and ovary are also among the top 10 common cancers in every racial/ethnic group. Cervical cancer ranks 5<sup>th</sup> in H women, 10<sup>th</sup> in NHB women and NHA/PI women. Pancreas cancer is 5<sup>th</sup> in NHB women and 10<sup>th</sup> in NHW and H women. Cancers of thyroid and rectum are also among the top 10 cancers for most of the racial/ethnic groups. Cancer of the stomach is the 6<sup>th</sup> most common cancer in NHA/PI women and 9<sup>th</sup> in H women. Melanoma of the skin is the 5<sup>th</sup> commonly

diagnosed cancer in NHW women, but is not among the top 10 common cancers in any other groups. Similar to men, Multiple myeloma is among the top 10 cancers in NHB women, but not in any other groups.

**Mortality**

Age-adjusted mortality rates (AAMR) for the ten most common cancer deaths by sex and race/ethnicity for Los Angeles County during 2001-2005 are shown in Table B. Lung cancer is the number one killer for men regardless of the race/ethnicity, with wide range of AAMRs across race/ethnicity. Prostate and colon cancers rank 2<sup>nd</sup> and 3<sup>rd</sup> respectively for cancer mortality for every racial/ethnic group, except NHA/PI for which colon is the 3<sup>rd</sup> and prostate is the 5<sup>th</sup>. Pancreas, leukemia, and esophagus are among the top 10 causes of cancer mortality for all racial/ethnic groups. Liver is the 2<sup>nd</sup> leading cancer killer in NHA/PI men, 5<sup>th</sup> in H men, and 6<sup>th</sup> in NHB men. Stomach and non-Hodgkin lymphoma are among the top 10 for most of the racial /ethnic groups. Kidney cancer ranks 9<sup>th</sup> in both NHB and H men, and brain cancer is 8<sup>th</sup> in NHW men and 10<sup>th</sup> in NHA/PI men, among the 10 most cancer deaths.

Among women, cancers of the lung, breast, and colon are the top three cancer killers, except colon cancer ranks 4<sup>th</sup> in H women. Ovary, pancreas, leukemia, and stomach are among the top 10 causes of cancer mortality with varying AAMRs across race/ethnicity. Cervical cancer and Liver cancer are among the 10 most common cancer deaths for all non-white women. Non-Hodgkin Lymphoma is among the top 10 common cancer deaths for most of racial/ethnicity groups. Multiple myeloma ranks 6<sup>th</sup> in NHB women and 10<sup>th</sup> in NHW women. Brain cancer is among 10 most common cancer deaths and ranks 8<sup>th</sup> in NHW women, but not for any other racial/ethnic groups.

Table B. Age-adjusted mortality rates (AAMR) per 100,000 for ten most common cancer deaths by sex and race/ethnicity, Los Angeles County, 2001-2005

Rank	ALL RACES		NH WHITE		NH BLACK		HISPANIC		NH A/PI	
	Cancer	AAMR	Cancer	AAMR	Cancer	AAMR	Cancer	AAMR	Cancer	AAMR
<b>Males</b>										
1	Lung	50.1	Lung	55.1	Lung	83.2	Lung	31.6	Lung	44.1
2	Prostate	24.4	Prostate	23.5	Prostate	58.7	Prostate	21.8	Liver	16.3
3	Colon	17.1	Colon	17.6	Colon	27.5	Colon	13.6	Colon	14.1
4	Pancreas	11.2	Pancreas	12.4	Pancreas	14.5	Stomach	11.5	Stomach	13.2
5	Liver	8.6	Leukemia	9.7	Stomach	10.9	Liver	10.9	Prostate	11.4
6	Leukemia	8.5	NH Lymphoma	9.4	Liver	10.8	Pancreas	8.5	Pancreas	8.8
7	Stomach	8.5	Bladder	8.5	Multi. Myeloma	9.6	NH Lymphoma	7	NH Lymphoma	5.8
8	NH Lymphoma	8.1	Brain	6.5	Leukemia	9.2	Leukemia	6.6	Leukemia	4.8
9	Bladder	6.5	Esophagus	6.4	Kidney	7.3	Kidney	6.2	Esophagus	3.6
10	Esophagus	5.5	Stomach	5.5	Esophagus	6.7	Esophagus	4.4	Brain	2.8
<b>Females</b>										
1	Lung	30.4	Lung	39.5	Lung	42.3	Breast	17.1	Lung	20.5
2	Breast	23.6	Breast	27	Breast	35.2	Lung	14.1	Breast	15.6
3	colon	12.8	Colon	13.4	Colon	21.7	Pancreas	8.7	Colon	10.8
4	Pancreas	9.5	Ovary	10.7	Pancreas	13.2	Colon	8.5	Pancreas	7.3
5	Ovary	8.9	Pancreas	9.9	Ovary	8.5	Ovary	7.9	Stomach	6.8
6	Leukemia	5.1	Leukemia	5.9	Multi. Myeloma	6.5	Stomach	6.6	Liver	6.4
7	NH Lymphoma	5.1	NH Lymphoma	5.7	Stomach	5.9	Cervix	4.6	Ovary	5.4
8	Stomach	4.7	Brain	4.2	Leukemia	5.7	NH Lymphoma	4.6	NH Lymphoma	4.2
9	Liver	3.5	Stomach	2.8	Cervix	4.6	Liver	4.3	Leukemia	3.1
10	Brain	3.2	Multi. Myeloma	2.5	Liver	4.3	Leukemia	4	Cervix	2.7

Figures 1-5 display the top 10 cancer incidence and corresponding mortality by sex and race/ethnicity. Scales were standardized for men and women respectively for easy visual comparison. These graphs clearly illustrate that cancer incidence and mortality vary by site, race/ethnicity and gender. Higher incidence may not necessarily result in higher mortality. The difference between incidence and mortality suggests the chances for survival.

Figure 1-1. Incidence and Mortality of Top 10 Common Cancers, All Races Combined, Males, Los Angeles County, 2001-2005

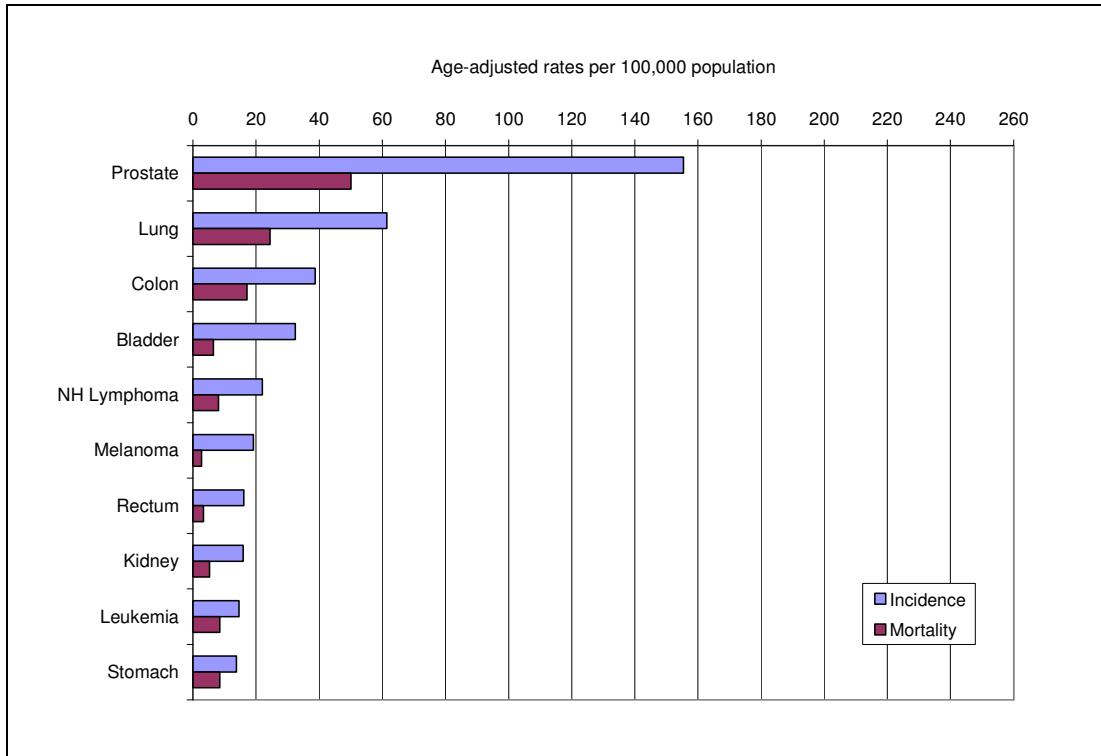


Figure 1-2. Incidence and Mortality of Top 10 Common Cancers, All Races Combined, Females, Los Angeles County, 2001-2005

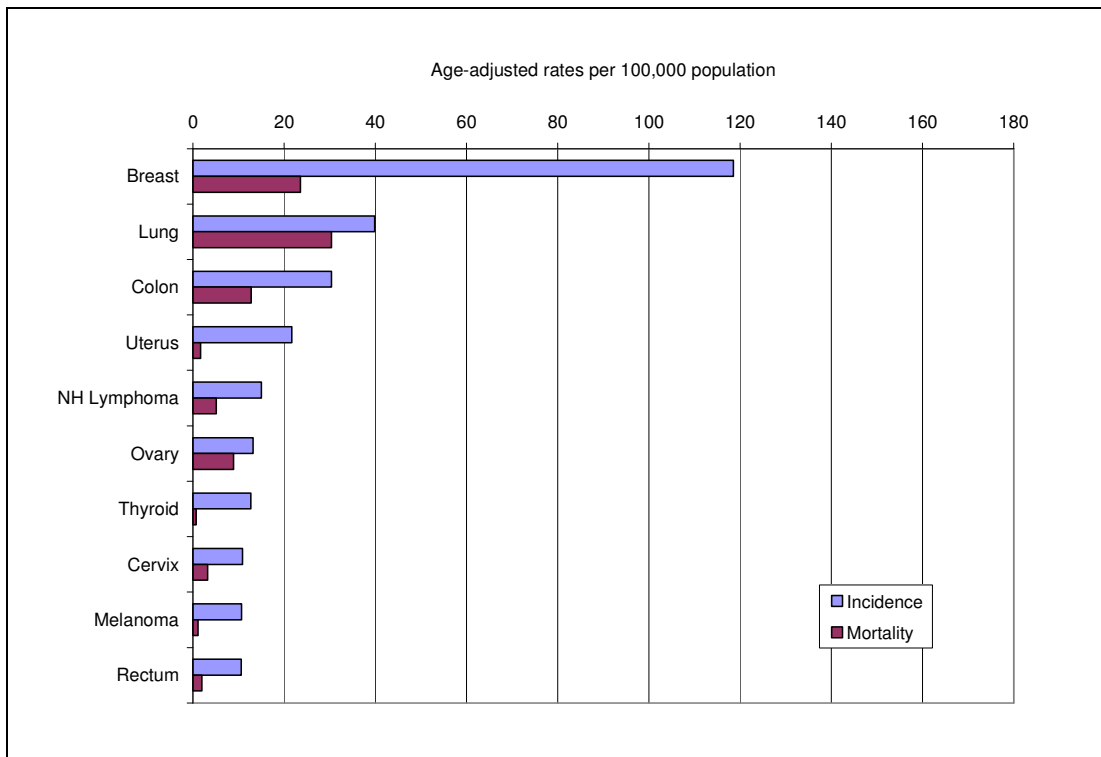


Figure 2-1. Incidence and Mortality of Top 10 Common Cancers, Non-Hispanic White, Males, Los Angeles County, 2001-2005

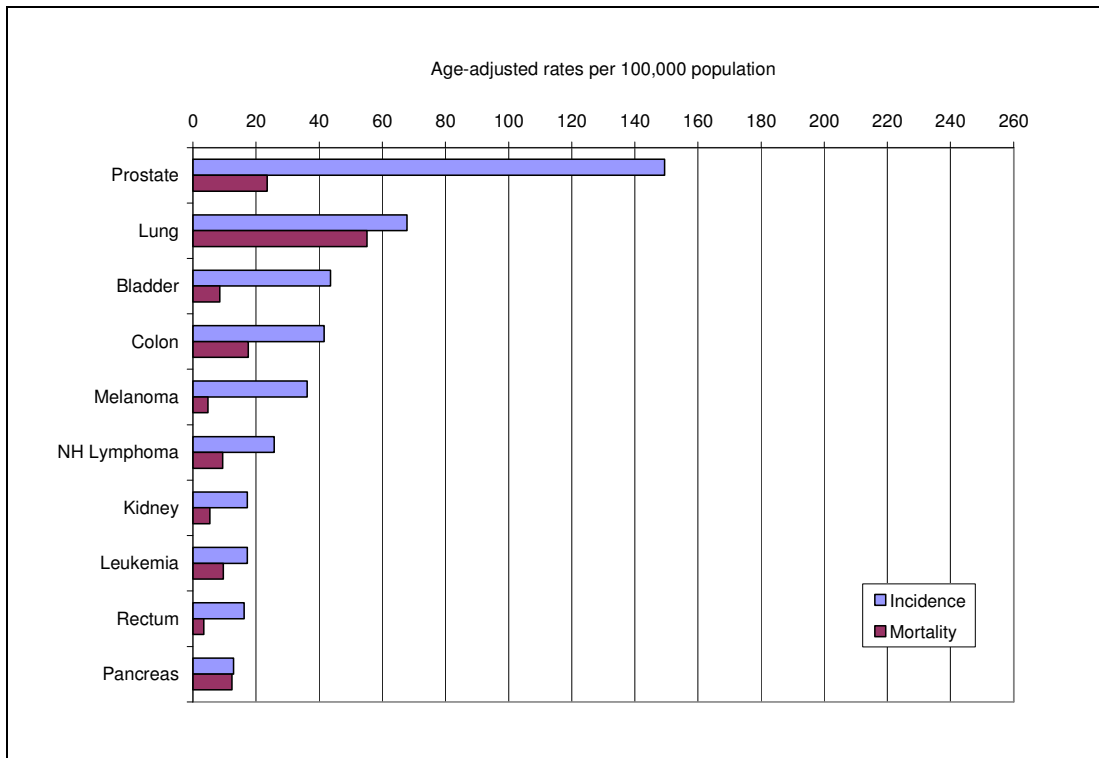


Figure 2-2. Incidence and Mortality of Top 10 Common Cancers, Non-Hispanic White, Females, Los Angeles County, 2001-2005

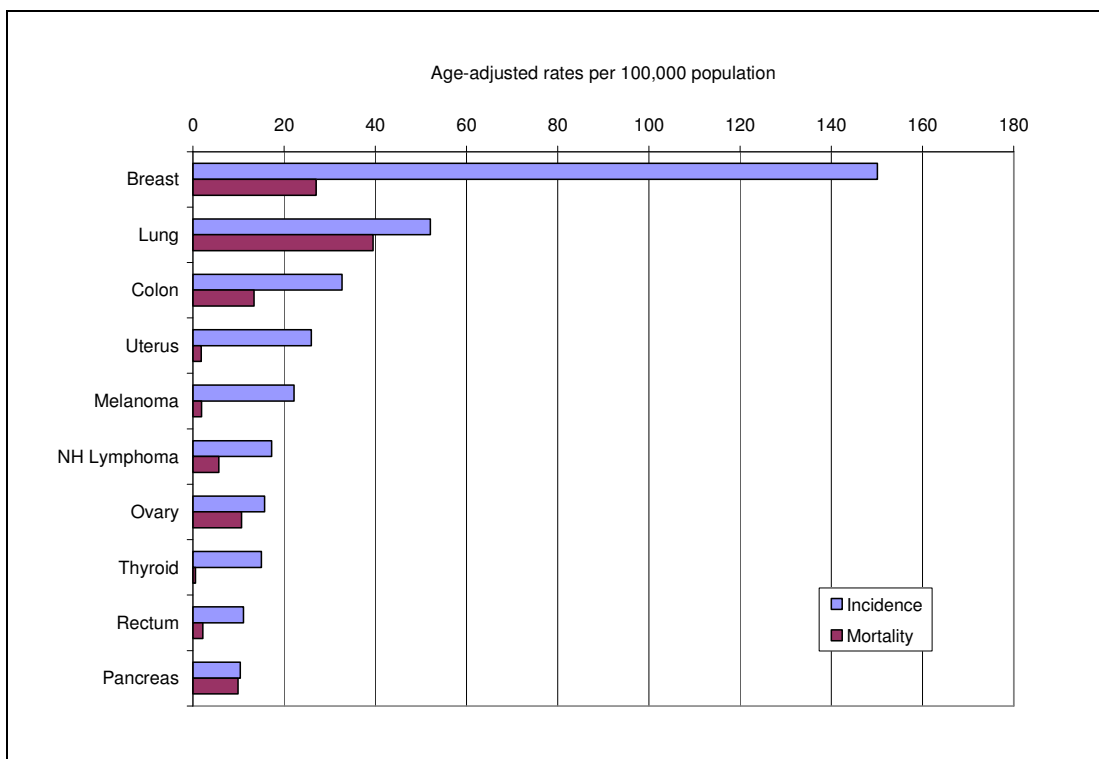


Figure 3-1. Incidence and Mortality of Top 10 Common Cancers, Non-Hispanic Black, Males, Los Angeles County, 2001-2005

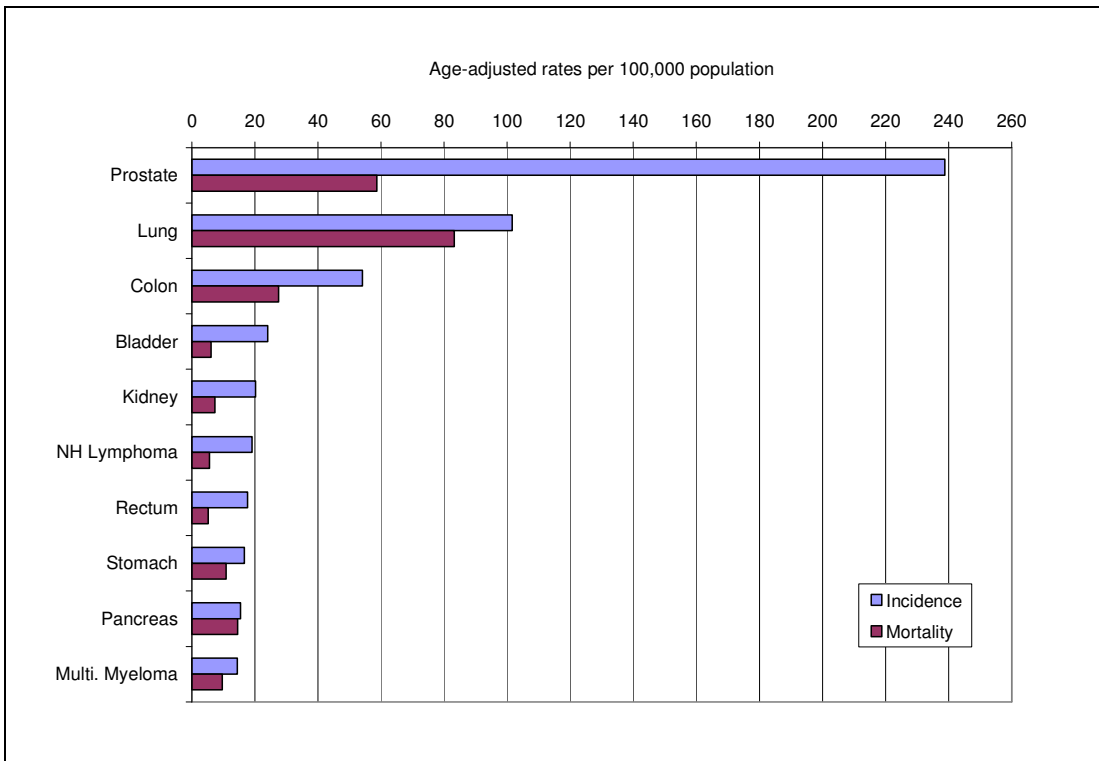


Figure 3-2. Incidence and Mortality of Top 10 Common Cancers, Non-Hispanic Black, Females, Los Angeles County, 2001-2005

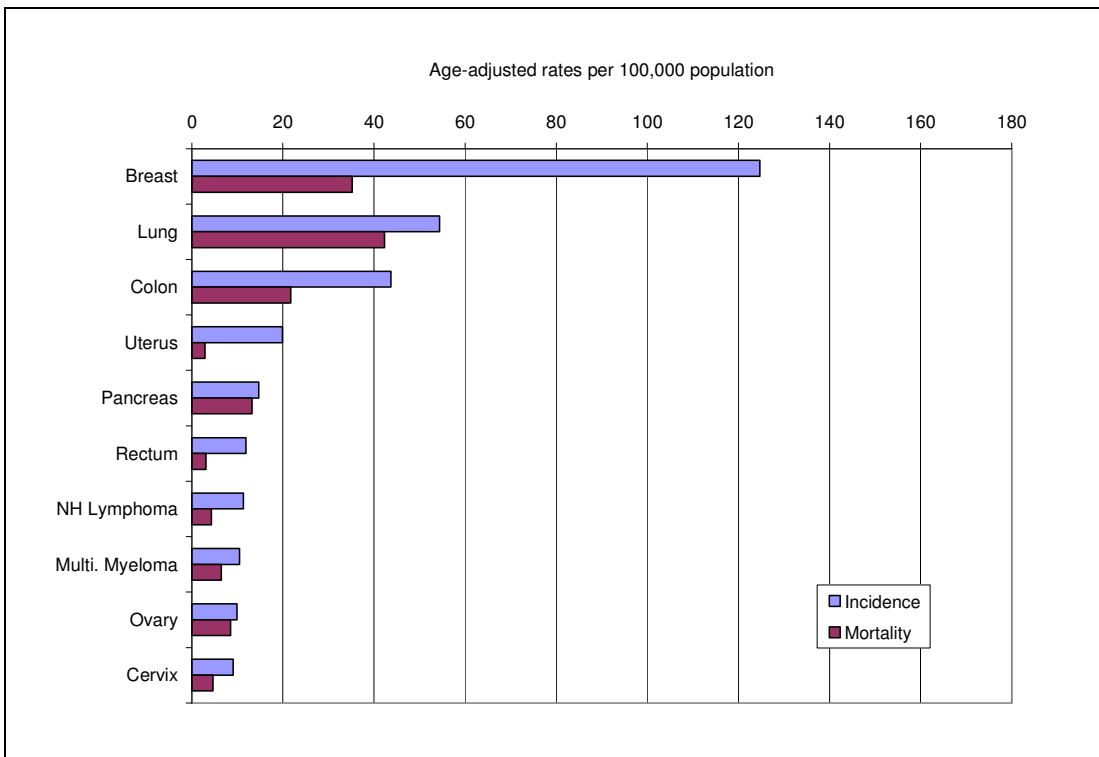


Figure 4-1. Incidence and Mortality of Top 10 Common Cancers, Hispanic, Males, Los Angeles County, 2001-2005

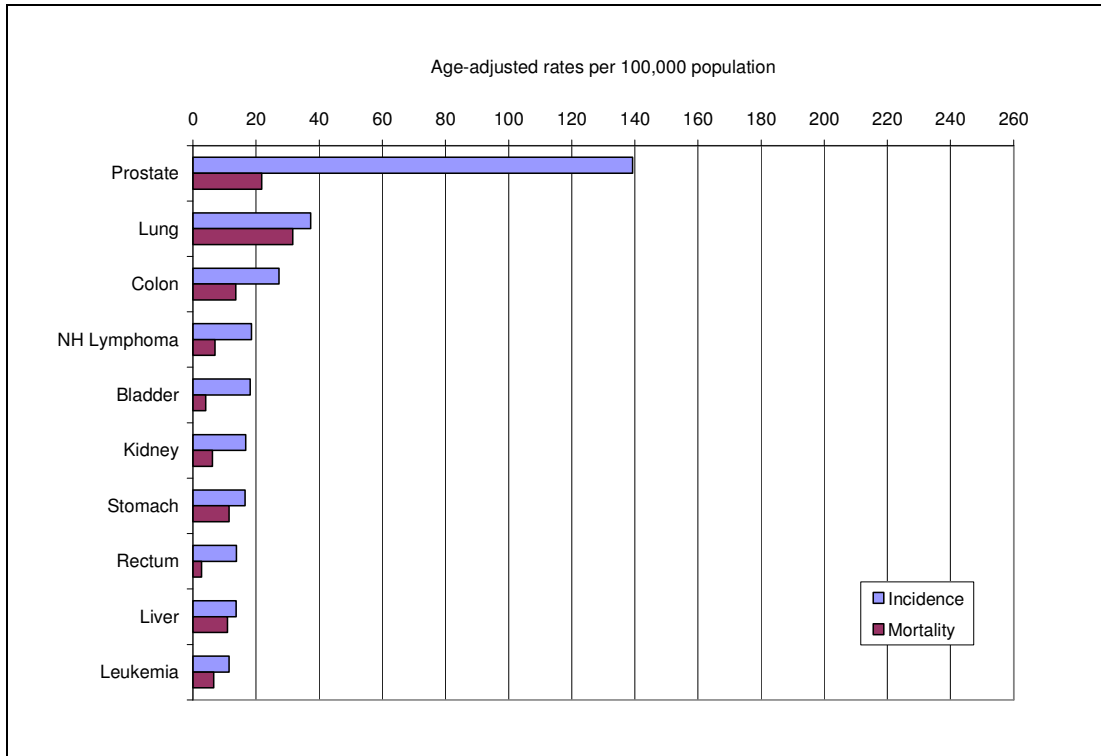


Figure 4-2. Incidence and Mortality of Top 10 Common Cancers, Hispanic, Females, Los Angeles County, 2001-2005

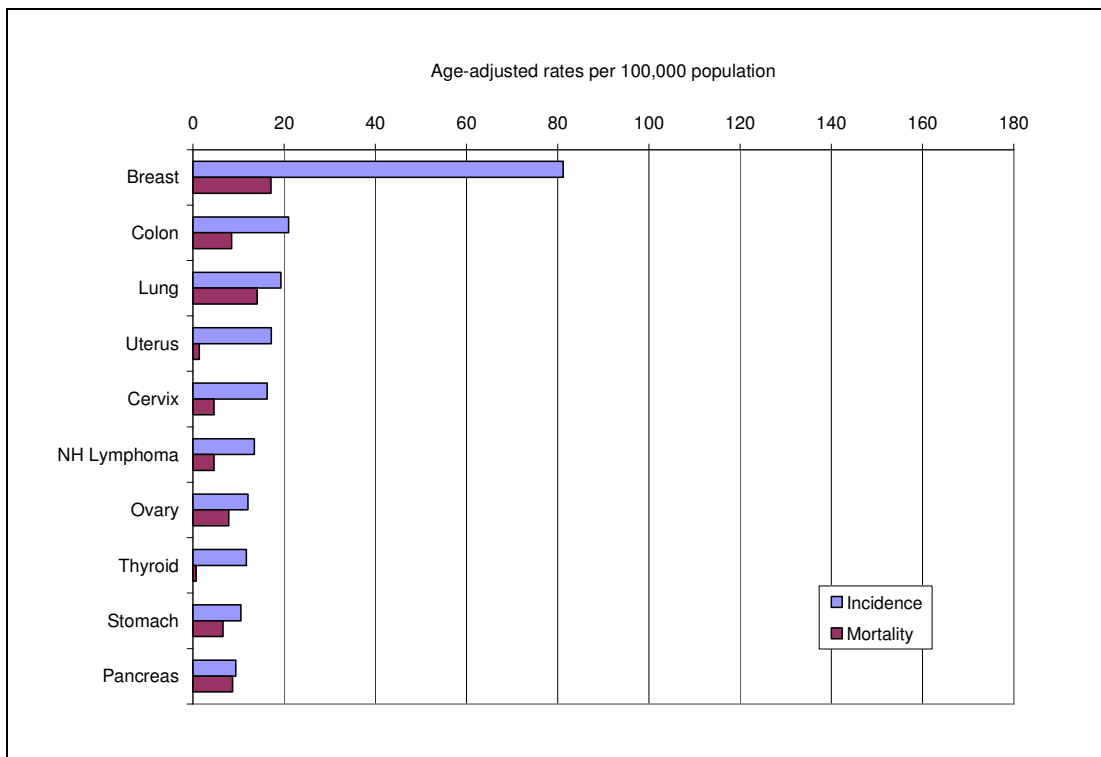


Figure 5-1. Incidence and Mortality of Top 10 Common Cancers, Non-Hispanic Asian/Pacific Islander, Males, Los Angeles County, 2001-2005

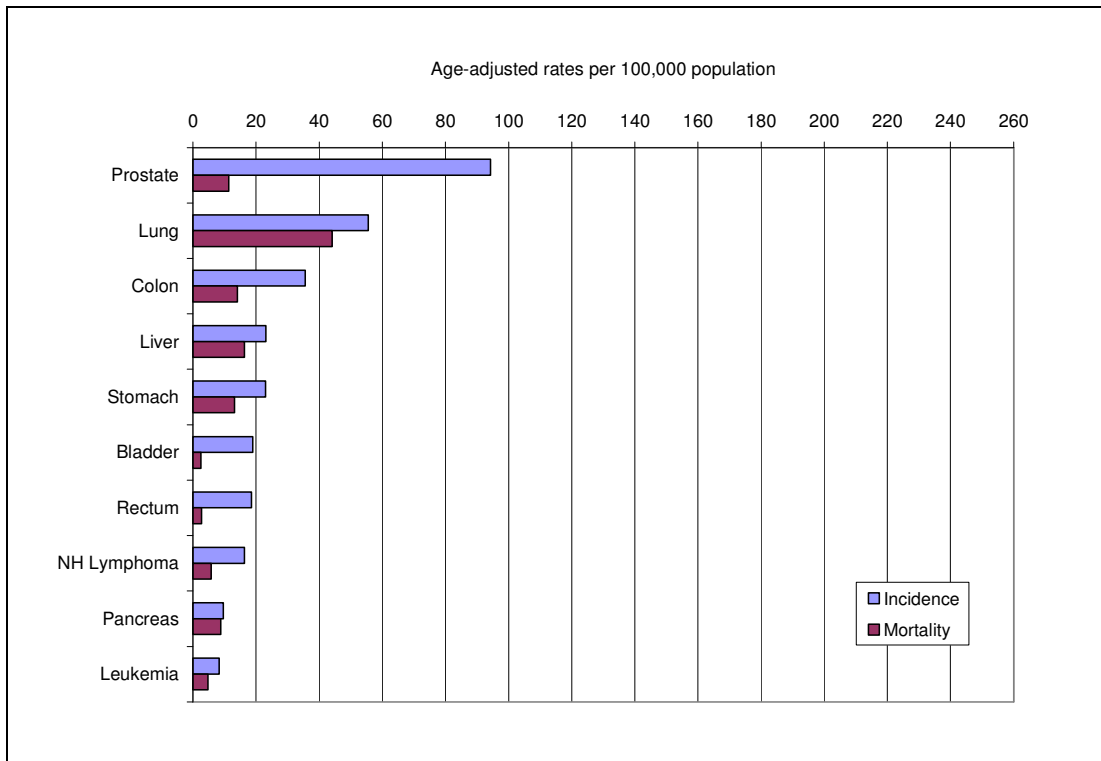


Figure 5-2. Incidence and Mortality of Top 10 Common Cancers, Non-Hispanic Asian/Pacific Islander, Females, Los Angeles County, 2001-2005

