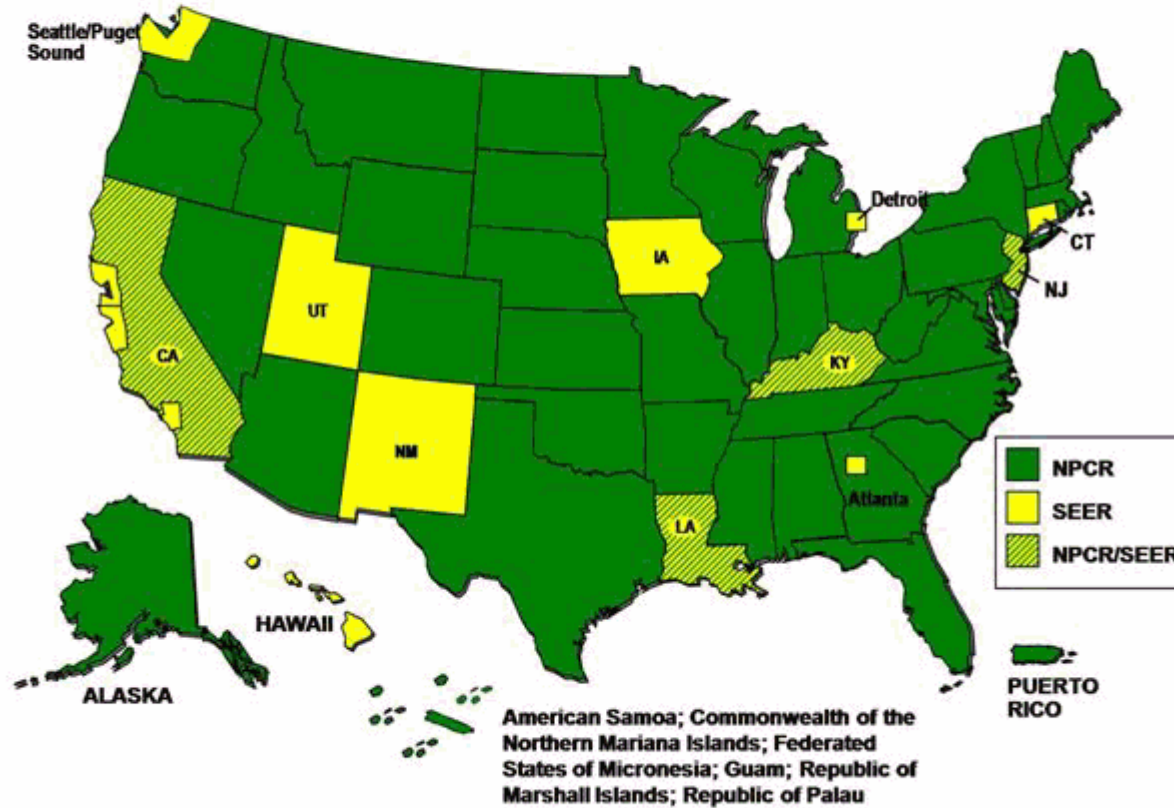


Attachment 10

Sample of NPCR CSS Data Evaluation Report



2009 Data Evaluation Reports National Program of Cancer Registries Cancer Surveillance System



Kentucky



Department of Health and Human Services
Centers for Disease Control and Prevention
Safer • Healthier • People

Data Evaluation Reports - Kentucky

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NPCR-CSS Data Evaluation Report 2009 (DER 2009)

Introduction

The National Program of Cancer Registries (NPCR) provides funds to state and territorial health departments to improve or enhance existing cancer registries; plan for and implement registries where they did not exist; develop model legislation and regulations for states and territories to enhance the viability of registry operations; set standards for data completeness, timeliness, and quality; provide training for registry personnel; and help establish a computerized reporting and data-processing system.

NPCR's goals are to rapidly establish and standardize the reporting of cancer within and among the states in order to build state and national capacity to do the following: monitor the cancer burden; identify cancer incidence variation for racial and ethnic populations and for regions within a state, between states, and between regions; provide data for research; provide guidance for health resource allocation; respond to public concern and inquiries about cancer; improve planning for future health care needs; and evaluate cancer prevention and control activities.

In 2000, CDC established the NPCR-Cancer Surveillance System (NPCR-CSS) to receive, evaluate, and disseminate data from registries participating in NPCR. The NPCR-CSS is designed to provide cancer incidence data to meet CDC's public health surveillance responsibilities and to help monitor progress toward NPCR goals. Beginning January 2001, registries annually report their incidence data to CDC from their NPCR reference year forward. The "NPCR reference year" is the first diagnosis year for which a state or territorial cancer registry collected data with the assistance of NPCR funds.

Following each data submission, registries receive a NPCR- CSS Data Evaluation Report detailing the completeness, accuracy and timeliness of their data submission, as demonstrated by meeting the following 5 data quality criteria for each diagnosis year for all cancer sites combined:

- Percent Completeness Adjusted for Duplicates: The percentage of observed to expected, unduplicated cases where the expected cases are estimated by using methods developed by the North American Association of Central Cancer Registries (NAACCR) (<http://www.naacr.org/>). DER 2009 case completeness evaluation is based on NAACCR method version 2.2b.
- Unresolved Duplicate Rate: Because some cancer patients receive diagnostic or treatment services at more than one reporting facility, cancer registries perform a procedure to identify and resolve duplicate case reporting to ensure that each cancer case is counted only once. Prior to the submission of data to NPCR-CSS, each registry performs a protocol developed
- Percent Death Certificate Only Cases: Another measure of the completeness of case ascertainment is the proportion of cases ascertained solely on the basis of a death certificate, with no other information on the case available after the registry has completed a routine procedure known as "death clearance and follow back".

NPCR-CSS Data Evaluation Report 2009 (DER 2009)

- Percent Missing Critical Data Elements (Age, Sex, Race and County): The proportion of cases missing information deemed critical for the reporting of population-based cancer incidence data.
- Percent Passing Edits: Edits test the validity and logic of data components. Edits are applied to single field variables, inter-field variables and to multiple records (each record denotes a case of cancer in a patient) in those instances when a patient has multiple cancer diagnoses. Inter-record (IR) edits are run on the entire data submission from the reference year through the most current 22-month data. There are two types of edits: core edits that are applied to variables deemed necessary for reporting incidence data; and advanced edits that are applied to variables used for advanced surveillance activities such as survival analyses. At this time, it should be noted that there are no standards for advanced edits.

How the Data Evaluation Reports are used: The Data Evaluation Reports are used to identify cancer registries whose incidence data meet data standards established by NPCR. The Advanced National Data Quality and the National Data Quality standards are applied to data of the diagnosis years being evaluated. For example, in this report, the Advanced National Data Quality and National Data Quality standards will be applied to diagnosis years 2007 and 2006, respectively. The USCS publication criteria is a subset of the National Data Quality standard. These criteria are used to identify data for inclusion in the *United States Cancer Statistics* report (<http://apps.nccd.cdc.gov/uscs/>) published jointly with the National Cancer Institute's Surveillance Epidemiology and End Results (SEER) Program and in collaboration with NAACCR. In establishing these standards and criteria, CDC recognizes that it may take up to two years before a registry's incidence data are complete (i.e., all the information on a cancer patient has been reported to and processed by the cancer registry).

When reviewing the Report on Quality, Completeness and Timeliness of Data table, the criteria for each standard (Advanced National Data Quality and National Data Quality) and the USCS publication criteria are highlighted by a color. When all relevant data quality criteria are met, the row corresponding to the diagnosis year will be highlighted. CDC expects that all registries should achieve these NPCR program standards and in so doing be included in the USCS report.



**2009 - Standard Status Report (SSR1)
National Program of Cancer Registries
Cancer Surveillance System**

Kentucky



**Department of Health and Human Services
Centers for Disease Control and Prevention
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National Program of Cancer Registries - Cancer Surveillance System

SSR1 - Standard Status Report - 2009

Kentucky

Report on Quality, Completeness and Timeliness of Data*

NPCR Standards Grouping	Diagnosis Year**	Percent Completeness Adjusted for Duplicates*	Unresolved Duplicate Rates (per 1,000)	Percent Death Certificate Only	Percent Missing or Unknown Core Data Elements				Percent Passing Core Single and Inter-field Edits	1995-2006 Percent Passing Core Inter-record Edits***
					Age	Sex	Race	County		
Advanced National Data Quality	2007	98.00	0.00	NDC	0.00	0.00	2.61	0.00	100.00	N/A
National Data Quality	2006	104.51	0.44	0.96	0.00	0.00	1.21	0.00	100.00	100.00
	2005	106.96	0.21	1.12	0.00	0.00	1.14	0.00	100.00	
	2004	106.84	0.21	1.08	0.00	0.00	0.95	0.00	100.00	
	2003	102.63	0.21	1.46	0.00	0.00	0.85	0.00	100.00	
	2002	101.26	0.21	1.10	0.00	0.00	0.53	0.00	100.00	
STANDARD										
Advanced National Data Quality Standard		90.00	N/A	N/A	N/A	N/A	N/A	N/A	97.00	N/A
National Data Quality Standard		95.00	<=1	<=3	<=2	<=2	<=3	<=2	99.00	99.00
USCS Publication Standard		90.00	N/A	<=5	<=3	<=3	<=5	N/A	97.00	97.00
Measurement Error****		-1.0	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	N/A	N/A

NDC: Death Clearance Not Done

N/A: Not Applicable

* See the Introduction section of this report for a description of the data quality criteria and evaluation methods.

** Only data from the most recent six diagnosis years are presented here. Highlighted rows denote the diagnosis years for which data met program and/or publication standards. Colors correspond to the data standard met. Diagnosis years that did not meet program and/or publication standards are not highlighted.

*** Calculated as (1 - # of patients with a core inter-record edit error/# of patients with more than one record) x 100.

**** The measurement error is the error allowances for determining if data elements have met the standard.

National Program of Cancer Registries - Cancer Surveillance System

SSR1 - Standard Status Report - 2009

CSS Submission Median with Range

Report on Quality, Completeness and Timeliness of Data -- 2009 CSS Submission Median with Range

NPCR Standards Grouping	Diagnosis Year*	Statistic	Present Completeness Adjusted for Duplicates	Unresolved Duplicate Rate (per 1,000)	Percent Death Certificate Only Cases	Percent Missing or Unknown Core Data Elements				Percent Passing Core Single and Inter-field Edits	Percent Passing Core Inter-record Edits**
						Age	Sex	Race	County		
Advanced National Data Quality	2007	Median Range	86.11 2.22 - 110.97	0.00 0.00 - 0.00	1.18 0.00 - 4.26	0.00 0.00 - 0.04	0.02 0.00 - 0.34	2.91 0.00 - 28.57	0.53 0.00 - 7.87	99.88 96.77 - 100.00	N/A
National Data Quality	2006	Median Range	100.67 88.62 - 115.27	0.27 0.00 - 1.54	2.07 0.38 - 3.82	0.01 0.00 - 0.06	0.01 0.00 - 0.23	1.34 0.00 - 3.14	0.18 0.00 - 1.35	99.95 97.75 - 100.00	99.93 97.29 - 100.00
	2005	Median Range	102.85 92.98 - 111.60	0.17 0.00 - 0.87	1.83 0.44 - 3.69	0.00 0.00 - 0.05	0.01 0.00 - 0.10	1.17 0.00 - 3.57	0.12 0.00 - 1.05	99.94 97.33 - 100.00	
	2004	Median Range	102.20 94.53 - 112.50	0.17 0.00 - 0.87	1.85 0.30 - 4.17	0.00 0.00 - 0.05	0.01 0.00 - 0.08	1.07 0.00 - 4.31	0.11 0.00 - 1.51	99.94 97.15 - 100.00	
	2003	Median Range	100.45 87.66 - 108.90	0.17 0.00 - 0.87	1.78 0.21 - 4.30	0.00 0.00 - 0.05	0.00 0.00 - 0.09	1.04 0.00 - 4.04	0.20 0.00 - 4.18	99.99 99.55 - 100.00	
	2002	Median Range	98.28 81.86 - 108.07	0.17 0.00 - 0.87	1.75 0.00 - 4.83	0.00 0.00 - 0.07	0.01 0.00 - 0.16	1.06 0.00 - 6.76	0.08 0.00 - 0.86	99.97 98.79 - 100.00	
STANDARD											
Advanced National Data Quality Standard			90.00	N/A	N/A	N/A	N/A	N/A	N/A	97.00	N/A
National Data Quality Standard			95.00	<=1	<=3	<=2	<=2	<=3	<=2	99.00	99.00
USCS Publication Standard			90.00	N/A	<=5	<=3	<=3	<=5	N/A	97.00	97.00
Measurement Error***			-0.1	-0.4	-0.4	-0.4	-0.4	-0.4	-0.4	N/A	N/A

N/A: Not Applicable.

* Only data from the most recent six diagnosis year are presented here.

** Calculated as (1 - # of patients with a core inter-record edit error/# of patients with more than one record) x 100.

*** The measurement error is the error allowance for determining if data elements have met the standard.

**National Program of Cancer Registries - Cancer Surveillance System
SSR1 - Standard Status Report - 2009**

Estimated Completeness of Case Ascertainment for Blacks

Kentucky - 2007

Black Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2007 Incidence	2005 - 2006 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	18.67	4.52	4.13	6.46	2.52	11.41	163.65	6.77	0.95	4.48	11.30	165.19
Esophagus	6.29	10.89	0.58	9.23	0.92	9.98	63.05	11.92	0.77	10.40	9.53	66.04
Stomach	10.00	8.03	1.24	11.02	1.48	11.87	84.27	8.01	1.37	8.64	12.76	78.40
Colon and Rectum	80.38	27.61	2.91	31.38	2.17	59.90	134.20	30.59	1.03	27.76	60.21	133.51
Liver	9.54	6.98	1.37	9.54	1.41	9.87	96.66	7.84	1.22	7.28	10.30	92.63
Pancreas	9.35	17.22	0.54	15.38	1.07	18.37	50.91	17.16	0.90	16.86	17.99	51.98
Lung and Bronchus	129.40	114.49	1.13	90.13	1.12	128.26	100.89	116.36	0.77	109.33	122.48	105.65
Melanoma of the Skin												
Prostate												
Urinary Bladder	19.61	6.45	3.04	5.46	3.80	24.50	80.01	6.71	0.81	6.21	23.59	83.10
Kidney and Renal Pelvis	30.55	5.86	5.21	5.95	3.48	20.42	149.62	4.99	1.19	6.09	21.21	144.08
Brain and Other Nervous System	8.62	0.89	9.65	3.17	1.47	1.32	654.50	1.58	2.00	1.07	1.58	545.12
Hodgkin's Disease	3.35	1.93	1.74	0.53	5.61	10.83	30.96	1.29	0.41	1.70	9.55	35.11
Non-Hodgkin's Lymphomas	10.94	7.56	1.45	6.26	3.06	23.12	47.31	6.46	0.97	7.51	22.98	47.61
Multiple Myeloma	8.93	11.12	0.80	8.22	1.70	18.85	47.36	10.00	0.82	10.72	18.17	49.11
Leukemias	9.35	10.07	0.93	8.54	1.49	15.03	62.18	9.22	0.93	9.92	14.81	63.10
Sum of Rates for Black Males	354.99					363.73	97.60				356.46	99.59

Black Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2007 Incidence	2005 - 2006 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	8.90	1.95	4.55	1.57	3.91	7.63	116.56	1.52	1.03	1.97	7.68	115.84
Esophagus	5.21	1.91	2.73	2.66	1.19	2.26	230.13	2.03	1.31	2.03	2.40	216.65
Stomach	5.71	3.86	1.48	5.30	1.64	6.35	89.90	4.31	1.23	4.04	6.65	85.95
Colon and Rectum	56.33	27.00	2.09	21.57	2.47	66.76	84.37	28.92	0.75	25.62	63.37	88.89
Liver	1.99	3.01	0.66	2.98	1.32	3.97	50.07	2.81	1.06	3.05	4.02	49.49
Pancreas	10.74	15.31	0.70	12.37	1.20	18.35	58.52	13.60	0.91	15.03	18.02	59.59
Lung and Bronchus	73.70	61.36	1.20	39.98	1.40	85.62	86.07	60.48	0.66	57.20	79.82	92.33
Melanoma of the Skin												
Breast												
Cervix	11.37	3.45	3.30	4.55	2.01	6.94	163.71	4.76	0.96	3.42	6.88	165.15
Corpus and Uterus,NOS	17.60	6.47	2.72	7.17	2.85	18.40	95.62	5.90	1.22	6.75	19.20	91.66
Ovary	4.68	6.70	0.70	7.33	1.36	9.12	51.30	6.35	1.15	6.90	9.40	49.77
Urinary Bladder	4.58	3.27	1.40	2.75	2.91	9.52	48.14	3.71	0.74	3.10	9.03	50.76
Kidney and Renal Pelvis	16.45	2.74	6.00	2.67	3.77	10.35	159.00	2.74	0.97	2.73	10.29	159.86
Brain and Other Nervous System	4.15	0.89	4.68	2.06	1.74	1.54	269.53	2.75	0.75	0.84	1.46	283.83
Hodgkin's Disease	0.00	0.29	0.00	0.30	8.16	2.35	0.00	0.44	0.69	0.27	2.20	0.00
Non-Hodgkin's Lymphomas	10.22	2.80	3.65	4.09	3.08	8.62	118.54	3.76	1.09	2.85	8.77	116.49
Multiple Myeloma	5.12	6.49	0.79	5.84	1.70	11.02	46.47	5.89	0.99	6.48	11.01	46.54
Leukemias	5.83	2.78	2.10	5.06	1.57	4.37	133.45	4.97	1.02	2.79	4.39	132.97
Sum of Rates for Black Females	242.56					273.19	88.79				264.59	91.68

Sum of Rates for Blacks	297.41					317.36	93.71				309.41	95.54
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**National Program of Cancer Registries - Cancer Surveillance System
SSR1 - Standard Status Report - 2009**

Estimated Completeness of Case Ascertainment for Whites

Kentucky - 2007

White Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Adjusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2007 Incidence	2005 - 2006 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	16.88	4.88	3.46	3.70	4.05	19.77	85.35	4.39	0.84	4.73	19.16	88.11
Esophagus	9.14	7.89	1.16	7.86	0.98	7.74	118.08	8.03	0.98	7.86	7.71	118.57
Stomach	6.80	4.47	1.52	4.82	2.05	9.15	74.36	4.74	1.02	4.48	9.18	74.12
Colon and Rectum	62.20	25.14	2.47	21.37	2.55	64.05	97.11	26.03	0.82	24.24	61.76	100.72
Liver	5.70	5.52	1.03	5.51	1.39	7.69	74.15	5.42	1.02	5.54	7.72	73.89
Pancreas	10.36	12.55	0.82	12.15	1.06	13.31	77.79	12.21	1.00	12.54	13.30	77.87
Lung and Bronchus	112.96	104.39	1.08	69.93	1.01	105.11	107.47	107.71	0.65	97.06	97.74	115.58
Melanoma of Skin	26.29	4.86	5.41	4.44	6.44	31.29	84.03	4.99	0.89	4.76	30.61	85.91
Prostate												
Urinary Bladder	36.73	8.56	4.29	7.89	4.98	42.64	86.15	8.07	0.98	8.52	42.46	86.52
Kidney and Renal Pelvis	21.64	6.86	3.16	6.07	2.97	20.38	106.18	7.07	0.86	6.66	19.80	109.26
Brain and Other Nervous System	8.57	5.19	1.65	5.67	1.46	7.58	113.12	5.36	1.06	5.25	7.67	111.84
Hodgkin's Disease	2.93	0.45	6.45	0.56	5.88	2.67	109.72	0.68	0.82	0.44	2.58	113.83
Non-Hodgkin's Lymphomas	21.63	10.24	2.11	9.34	2.67	27.33	79.16	10.04	0.93	10.10	26.95	80.27
Multiple Myeloma	4.51	4.98	0.90	4.27	1.58	7.86	57.33	4.73	0.90	4.89	7.70	58.48
Leukemias	12.12	10.25	1.18	10.11	1.67	17.09	70.89	10.32	0.98	10.21	17.02	71.19
Sum of Rates for White Males	358.47					383.67	93.43				371.34	96.54

White Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Adjusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2007 Incidence	2005 - 2006 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	5.50	1.45	3.79	1.44	4.20	6.11	90.06	1.51	0.95	1.44	6.05	90.94
Esophagus	1.21	1.70	0.71	1.63	1.18	2.01	59.95	1.51	1.07	1.72	2.04	59.07
Stomach	3.57	2.08	1.71	2.45	1.99	4.15	86.13	2.17	1.13	2.14	4.25	84.02
Colon and Rectum	43.81	16.03	2.73	14.86	2.77	44.32	98.83	17.64	0.84	15.53	42.93	102.04
Liver	1.86	2.04	0.91	1.94	1.28	2.62	71.20	2.14	0.91	2.00	2.57	72.54
Pancreas	8.71	8.78	0.99	9.09	1.11	9.77	89.14	9.04	1.01	8.79	9.78	89.03
Lung and Bronchus	73.28	55.98	1.31	41.90	1.21	67.67	108.28	56.45	0.74	53.10	64.18	114.17
Melanoma of Skin	17.09	2.21	7.74	1.98	9.60	21.19	80.65	2.06	0.96	2.19	21.02	81.30
Breast												
Cervix	8.24	2.54	3.24	2.22	3.48	8.84	93.20	2.56	0.87	2.47	8.60	95.75
Corpus and Uterus,NOS	23.75	3.27	7.26	3.87	6.41	20.95	113.38	3.39	1.14	3.36	21.55	110.21
Ovary	10.62	8.42	1.26	9.09	1.51	12.72	83.49	8.89	1.02	8.46	12.78	83.11
Urinary Bladder	9.46	2.06	4.59	2.24	4.34	8.94	105.79	2.35	0.95	2.04	8.85	106.84
Kidney and Renal Pelvis	12.29	2.79	4.41	2.77	3.39	9.46	129.95	2.88	0.96	2.77	9.39	130.90
Brain and Other Nervous System	6.03	3.45	1.75	3.82	1.56	5.37	112.34	3.70	1.03	3.47	5.40	111.63
Hodgkin's Disease	2.00	0.34	5.89	0.37	7.20	2.45	81.78	0.37	1.01	0.34	2.45	81.64
Non-Hodgkin's Lymphomas	15.47	6.28	2.46	5.94	2.94	18.47	83.76	6.18	0.96	6.23	18.33	84.41
Multiple Myeloma	3.04	2.50	1.22	2.72	1.54	3.85	79.07	2.91	0.93	2.47	3.80	80.11
Leukemias	7.73	5.72	1.35	5.66	1.78	10.20	75.81	5.84	0.97	5.68	10.14	76.28
Sum of Rates for White Females	253.66					259.08	97.91				254.12	99.82

Sum of Rates for Whites	304.93					320.02	95.28				311.45	98.21
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**National Program of Cancer Registries - Cancer Surveillance System
SSR1 - Standard Status Report - 2009**

Kentucky - 2007

Estimated Completeness Summary

Intrim Completeness Estimates Adjusted for Reference Mortality					
Whites		Blacks		Race Proportional	
Percent Complete	Population	Percent Complete	Population	Percent Complete	Population
98.21	3,815,892	95.54	332,894	98.00	4,148,786

Final Completeness Estimates Adjusted for Reference Mortality and Duplicate Records			
Total Incident Cases	21294	Adjusted Total Incident Cases	21294
Race Proportional Completeness, Adjusted for Reference Mortality	98.00	Expected Incident Cases	21729
%Unresolved Duplicates*	0.00	Final Completeness Estimates, Adjusted for Reference Mortality and Duplicate Records	98.00

* 0.00 indicates all duplicates are resolved.

**National Program of Cancer Registries - Cancer Surveillance System
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Estimated Completeness of Case Ascertainment for Blacks

Kentucky - 2006

Black Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2006 Incidence	2005 - 2006 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	12.93	4.52	2.86	6.46	2.52	11.41	113.35	6.77	0.95	4.48	11.30	114.42
Esophagus	9.17	10.89	0.84	9.23	0.92	9.98	91.89	11.92	0.77	10.40	9.53	96.25
Stomach	13.08	8.03	1.63	11.02	1.48	11.87	110.18	8.01	1.37	8.64	12.76	102.50
Colon and Rectum	79.17	27.61	2.87	31.38	2.17	59.90	132.17	30.59	1.03	27.76	60.21	131.49
Liver	7.39	6.98	1.06	9.54	1.41	9.87	74.92	7.84	1.22	7.28	10.30	71.80
Pancreas	14.80	17.22	0.86	15.38	1.07	18.37	80.55	17.16	0.90	16.86	17.99	82.26
Lung and Bronchus	139.51	114.49	1.22	90.13	1.12	128.26	108.77	116.36	0.77	109.33	122.48	113.90
Melanoma of the Skin												
Prostate												
Urinary Bladder	20.39	6.45	3.16	5.46	3.80	24.50	83.21	6.71	0.81	6.21	23.59	86.42
Kidney and Renal Pelvis	24.54	5.86	4.19	5.95	3.48	20.42	120.15	4.99	1.19	6.09	21.21	115.70
Brain and Other Nervous System	4.07	0.89	4.56	3.17	1.47	1.32	309.36	1.58	2.00	1.07	1.58	257.66
Hodgkin's Disease	3.37	1.93	1.75	0.53	5.61	10.83	31.08	1.29	0.41	1.70	9.55	35.25
Non-Hodgkin's Lymphomas	16.53	7.56	2.19	6.26	3.06	23.12	71.48	6.46	0.97	7.51	22.98	71.94
Multiple Myeloma	13.59	11.12	1.22	8.22	1.70	18.85	72.09	10.00	0.82	10.72	18.17	74.75
Leukemias	9.98	10.07	0.99	8.54	1.49	15.03	66.41	9.22	0.93	9.92	14.81	67.39
Sum of Rates for Black Males	368.52					363.73	101.31				356.46	103.38

Black Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2006 Incidence	2005 - 2006 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	7.28	1.95	3.72	1.57	3.91	7.63	95.36	1.52	1.03	1.97	7.68	94.77
Esophagus	2.13	1.91	1.11	2.66	1.19	2.26	93.94	2.03	1.31	2.03	2.40	88.44
Stomach	7.01	3.86	1.81	5.30	1.64	6.35	110.26	4.31	1.23	4.04	6.65	105.41
Colon and Rectum	45.00	27.00	1.67	21.57	2.47	66.76	67.41	28.92	0.75	25.62	63.37	71.02
Liver	3.64	3.01	1.21	2.98	1.32	3.97	91.71	2.81	1.06	3.05	4.02	90.64
Pancreas	15.14	15.31	0.99	12.37	1.20	18.35	82.54	13.60	0.91	15.03	18.02	84.05
Lung and Bronchus	77.88	61.36	1.27	39.98	1.40	85.62	90.96	60.48	0.66	57.20	79.82	97.57
Melanoma of the Skin												
Breast												
Cervix	13.30	3.45	3.86	4.55	2.01	6.94	191.61	4.76	0.96	3.42	6.88	193.30
Corpus and Uterus,NOS	25.15	6.47	3.89	7.17	2.85	18.40	136.65	5.90	1.22	6.75	19.20	131.00
Ovary	4.09	6.70	0.61	7.33	1.36	9.12	44.82	6.35	1.15	6.90	9.40	43.48
Urinary Bladder	7.52	3.27	2.30	2.75	2.91	9.52	79.02	3.71	0.74	3.10	9.03	83.31
Kidney and Renal Pelvis	13.57	2.74	4.95	2.67	3.77	10.35	131.19	2.74	0.97	2.73	10.29	131.90
Brain and Other Nervous System	2.60	0.89	2.93	2.06	1.74	1.54	168.71	2.75	0.75	0.84	1.46	177.66
Hodgkin's Disease	1.79	0.29	6.23	0.30	8.16	2.35	76.36	0.44	0.69	0.27	2.20	81.37
Non-Hodgkin's Lymphomas	11.99	2.80	4.28	4.09	3.08	8.62	139.10	3.76	1.09	2.85	8.77	136.70
Multiple Myeloma	6.97	6.49	1.07	5.84	1.70	11.02	63.21	5.89	0.99	6.48	11.01	63.30
Leukemias	5.19	2.78	1.87	5.06	1.57	4.37	118.80	4.97	1.02	2.79	4.39	118.37
Sum of Rates for Black Females	250.26					273.19	91.60				264.59	94.58

Sum of Rates for Blacks	307.95					317.36	97.03				309.41	98.88
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**National Program of Cancer Registries - Cancer Surveillance System
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Estimated Completeness of Case Ascertainment for Whites

Kentucky - 2006

White Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdused for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adj. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2006 Incidence	2005 - 2006 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	18.34	4.88	3.76	3.70	4.05	19.77	92.75	4.39	0.84	4.73	19.16	95.74
Esophagus	9.58	7.89	1.21	7.86	0.98	7.74	123.69	8.03	0.98	7.86	7.71	124.21
Stomach	7.38	4.47	1.65	4.82	2.05	9.15	80.70	4.74	1.02	4.48	9.18	80.44
Colon and Rectum	63.24	25.14	2.52	21.37	2.55	64.05	98.74	26.03	0.82	24.24	61.76	102.41
Liver	6.17	5.52	1.12	5.51	1.39	7.69	80.25	5.42	1.02	5.54	7.72	79.96
Pancreas	12.67	12.55	1.01	12.15	1.06	13.31	95.16	12.21	1.00	12.54	13.30	95.25
Lung and Bronchus	124.59	104.39	1.19	69.93	1.01	105.11	118.53	107.71	0.65	97.06	97.74	127.47
Melanoma of Skin	27.25	4.86	5.61	4.44	6.44	31.29	87.09	4.99	0.89	4.76	30.61	89.03
Prostate												
Urinary Bladder	41.73	8.56	4.87	7.89	4.98	42.64	97.87	8.07	0.98	8.52	42.46	98.30
Kidney and Renal Pelvis	24.70	6.86	3.60	6.07	2.97	20.38	121.20	7.07	0.86	6.66	19.80	124.72
Brain and Other Nervous System	8.04	5.19	1.55	5.67	1.46	7.58	106.12	5.36	1.06	5.25	7.67	104.93
Hodgkin's Disease	3.62	0.45	7.96	0.56	5.88	2.67	135.29	0.68	0.82	0.44	2.58	140.36
Non-Hodgkin's Lymphomas	22.98	10.24	2.24	9.34	2.67	27.33	84.08	10.04	0.93	10.10	26.95	85.26
Multiple Myeloma	6.47	4.98	1.30	4.27	1.58	7.86	82.36	4.73	0.90	4.89	7.70	84.02
Leukemias	14.11	10.25	1.38	10.11	1.67	17.09	82.56	10.32	0.98	10.21	17.02	82.91
Sum of Rates for White Males	390.88					383.67	101.88				371.34	105.26

White Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdused for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adj. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2006 Incidence	2005 - 2006 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	5.55	1.45	3.82	1.44	4.20	6.11	90.85	1.51	0.95	1.44	6.05	91.73
Esophagus	1.64	1.70	0.96	1.63	1.18	2.01	81.37	1.51	1.07	1.72	2.04	80.18
Stomach	3.58	2.08	1.72	2.45	1.99	4.15	86.35	2.17	1.13	2.14	4.25	84.24
Colon and Rectum	44.88	16.03	2.80	14.86	2.77	44.32	101.26	17.64	0.84	15.53	42.93	104.55
Liver	2.22	2.04	1.09	1.94	1.28	2.62	84.81	2.14	0.91	2.00	2.57	86.40
Pancreas	9.97	8.78	1.14	9.09	1.11	9.77	102.02	9.04	1.01	8.79	9.78	101.90
Lung and Bronchus	76.97	55.98	1.37	41.90	1.21	67.67	113.73	56.45	0.74	53.10	64.18	119.91
Melanoma of Skin	17.84	2.21	8.08	1.98	9.60	21.19	84.22	2.06	0.96	2.19	21.02	84.89
Breast												
Cervix	8.32	2.54	3.28	2.22	3.48	8.84	94.13	2.56	0.87	2.47	8.60	96.70
Corpus and Uterus,NOS	24.21	3.27	7.40	3.87	6.41	20.95	115.57	3.39	1.14	3.36	21.55	112.34
Ovary	12.45	8.42	1.48	9.09	1.51	12.72	97.84	8.89	1.02	8.46	12.78	97.41
Urinary Bladder	9.16	2.06	4.45	2.24	4.34	8.94	102.50	2.35	0.95	2.04	8.85	103.51
Kidney and Renal Pelvis	12.13	2.79	4.35	2.77	3.39	9.46	128.29	2.88	0.96	2.77	9.39	129.23
Brain and Other Nervous System	5.27	3.45	1.53	3.82	1.56	5.37	98.16	3.70	1.03	3.47	5.40	97.55
Hodgkin's Disease	2.09	0.34	6.16	0.37	7.20	2.45	85.50	0.37	1.01	0.34	2.45	85.35
Non-Hodgkin's Lymphomas	17.73	6.28	2.82	5.94	2.94	18.47	96.00	6.18	0.96	6.23	18.33	96.74
Multiple Myeloma	3.45	2.50	1.38	2.72	1.54	3.85	89.64	2.91	0.93	2.47	3.80	90.82
Leukemias	8.98	5.72	1.57	5.66	1.78	10.20	88.00	5.84	0.97	5.68	10.14	88.55
Sum of Rates for White Females	266.44					259.08	102.84				254.12	104.85

Sum of Rates for Whites 327.30 320.02 102.28 311.45 105.05

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Kentucky - 2006

Estimated Completeness Summary

Intrim Completeness Estimates Adjusted for Reference Mortality					
Whites		Blacks		Race Proportional	
Percent Complete	Population	Percent Complete	Population	Percent Complete	Population
105.05	3,815,892	98.88	332,894	104.55	4,148,786

Final Completeness Estimates Adjusted for Reference Mortality and Duplicate Records			
Total Incident Cases	22569	Adjusted Total Incident Cases	22559
Race Proportional Completeness, Adjusted for Reference Mortality	104.55	Expected Incident Cases	21586
%Unresolved Duplicates*	0.04	Final Completeness Estimates, Adjusted for Reference Mortality and Duplicate Records	104.51

* 0.00 indicates all duplicates are resolved.

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Estimated Completeness of Case Ascertainment for Blacks

Kentucky - 2005

Black Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adj. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2005 Incidence	2004 - 2005 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site												
Oral Cavity and Pharynx	17.59	6.96	2.53	6.46	2.52	17.56	100.21	6.77	0.95	6.89	17.39	101.16
Esophagus	12.38	11.68	1.06	9.23	0.92	10.70	115.70	11.92	0.77	11.15	10.22	121.18
Stomach	11.19	4.84	2.31	11.02	1.48	7.14	156.62	8.01	1.37	5.20	7.68	145.70
Colon and Rectum	80.19	30.36	2.64	31.38	2.17	65.86	121.75	30.59	1.03	30.52	66.20	121.13
Liver	11.04	8.84	1.25	9.54	1.41	12.50	88.32	7.84	1.22	9.22	13.04	84.65
Pancreas	18.08	15.14	1.19	15.38	1.07	16.16	111.92	17.16	0.90	14.83	15.82	114.29
Lung and Bronchus	149.84	109.12	1.37	90.13	1.12	122.25	122.57	116.36	0.77	104.20	116.74	128.36
Melanoma of the Skin												
Prostate												
Urinary Bladder	23.96	6.27	3.82	5.46	3.80	23.82	100.57	6.71	0.81	6.04	22.94	104.45
Kidney and Renal Pelvis	39.50	3.83	10.32	5.95	3.48	13.34	296.17	4.99	1.19	3.98	13.85	285.20
Brain and Other Nervous System	2.26	1.49	1.51	3.17	1.47	2.20	102.62	1.58	2.00	1.79	2.64	85.47
Hodgkin's Disease	5.16	0.58	8.86	0.53	5.61	3.27	157.87	1.29	0.41	0.51	2.88	179.06
Non-Hodgkin's Lymphomas	13.63	6.15	2.22	6.26	3.06	18.80	72.47	6.46	0.97	6.11	18.68	72.93
Multiple Myeloma	21.04	10.72	1.96	8.22	1.70	18.17	115.81	10.00	0.82	10.34	17.52	120.09
Leukemias	9.32	8.90	1.05	8.54	1.49	13.30	70.10	9.22	0.93	8.77	13.10	71.14
Sum of Rates for Black Males	415.19					345.07	120.32				338.72	122.58

Black Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adj. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2005 Incidence	2004 - 2005 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site												
Oral Cavity and Pharynx	7.18	1.87	3.85	1.57	3.91	7.29	98.47	1.52	1.03	1.88	7.34	97.86
Esophagus	3.09	1.90	1.63	2.66	1.19	2.26	137.10	2.03	1.31	2.02	2.40	129.07
Stomach	7.63	4.76	1.60	5.30	1.64	7.83	97.45	4.31	1.23	4.98	8.19	93.17
Colon and Rectum	64.20	26.22	2.45	21.57	2.47	64.84	99.03	28.92	0.75	24.88	61.54	104.33
Liver	5.04	3.09	1.63	2.98	1.32	4.07	123.83	2.81	1.06	3.13	4.12	122.39
Pancreas	12.43	14.89	0.83	12.37	1.20	17.85	69.65	13.60	0.91	14.62	17.53	70.93
Lung and Bronchus	73.32	58.17	1.26	39.98	1.40	81.16	90.34	60.48	0.66	54.22	75.66	96.92
Melanoma of the Skin												
Breast												
Cervix	11.24	4.93	2.28	4.55	2.01	9.93	113.18	4.76	0.96	4.89	9.85	114.18
Corpus and Uterus,NOS	18.17	4.67	3.89	7.17	2.85	13.28	136.87	5.90	1.22	4.87	13.85	131.21
Ovary	8.71	7.03	1.24	7.33	1.36	9.58	90.91	6.35	1.15	7.25	9.87	88.19
Urinary Bladder	9.64	4.07	2.37	2.75	2.91	11.83	81.44	3.71	0.74	3.86	11.22	85.87
Kidney and Renal Pelvis	11.38	2.49	4.56	2.67	3.77	9.42	120.87	2.74	0.97	2.48	9.36	121.52
Brain and Other Nervous System	2.89	3.61	0.80	2.06	1.74	6.27	46.07	2.75	0.75	3.43	5.95	48.52
Hodgkin's Disease	3.84	0.30	13.01	0.30	8.16	2.41	159.50	0.44	0.69	0.28	2.26	169.96
Non-Hodgkin's Lymphomas	11.47	3.34	3.44	4.09	3.08	10.27	111.73	3.76	1.09	3.40	10.45	109.80
Multiple Myeloma	15.97	5.57	2.87	5.84	1.70	9.46	168.76	5.89	0.99	5.56	9.45	169.00
Leukemias	6.37	2.89	2.20	5.06	1.57	4.55	140.03	4.97	1.02	2.90	4.56	139.52
Sum of Rates for Black Females	272.58					272.29	100.11				263.60	103.41

Sum of Rates for Blacks	342.33					307.88	111.19				300.34	112.78
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**National Program of Cancer Registries - Cancer Surveillance System
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Estimated Completeness of Case Ascertainment for Whites

Kentucky - 2005

White Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Adjusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2005 Incidence	2004 - 2005 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	17.99	4.32	4.16	3.70	4.05	17.52	102.68	4.39	0.84	4.19	16.97	106.00
Esophagus	8.38	7.76	1.08	7.86	0.98	7.62	110.07	8.03	0.98	7.73	7.58	110.53
Stomach	7.28	4.59	1.59	4.82	2.05	9.41	77.36	4.74	1.02	4.61	9.44	77.11
Colon and Rectum	66.43	24.21	2.74	21.37	2.55	61.67	107.72	26.03	0.82	23.34	59.46	111.72
Liver	6.26	5.27	1.19	5.51	1.39	7.35	85.23	5.42	1.02	5.29	7.38	84.93
Pancreas	12.77	11.78	1.08	12.15	1.06	12.49	102.27	12.21	1.00	11.76	12.47	102.37
Lung and Bronchus	128.44	107.17	1.20	69.93	1.01	107.91	119.03	107.71	0.65	99.65	100.34	128.01
Melanoma of Skin	26.79	5.19	5.17	4.44	6.44	33.37	80.26	4.99	0.89	5.07	32.64	82.06
Prostate												
Urinary Bladder	39.92	7.87	5.07	7.89	4.98	39.20	101.84	8.07	0.98	7.84	39.03	102.29
Kidney and Renal Pelvis	21.17	7.04	3.01	6.07	2.97	20.93	101.14	7.07	0.86	6.84	20.34	104.07
Brain and Other Nervous System	8.27	4.93	1.68	5.67	1.46	7.20	114.88	5.36	1.06	4.99	7.28	113.59
Hodgkin's Disease	4.02	0.68	5.90	0.56	5.88	4.01	100.22	0.68	0.82	0.66	3.87	103.97
Non-Hodgkin's Lymphomas	24.97	9.74	2.56	9.34	2.67	25.98	96.12	10.04	0.93	9.60	25.62	97.47
Multiple Myeloma	7.88	4.92	1.60	4.27	1.58	7.76	101.49	4.73	0.90	4.83	7.61	103.53
Leukemias	17.59	10.23	1.72	10.11	1.67	17.06	103.14	10.32	0.98	10.19	16.99	103.58
Sum of Rates for White Males	398.18					379.49	104.93				367.04	108.49

White Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Adjusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2005 Incidence	2004 - 2005 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	6.96	1.69	4.12	1.44	4.20	7.10	98.07	1.51	0.95	1.67	7.03	99.02
Esophagus	1.87	1.88	0.99	1.63	1.18	2.22	83.86	1.51	1.07	1.91	2.26	82.63
Stomach	3.85	2.01	1.91	2.45	1.99	4.01	96.03	2.17	1.13	2.06	4.11	93.68
Colon and Rectum	47.67	17.17	2.78	14.86	2.77	47.48	100.40	17.64	0.84	16.63	45.98	103.67
Liver	2.59	2.27	1.14	1.94	1.28	2.91	88.74	2.14	0.91	2.23	2.86	90.41
Pancreas	9.45	8.74	1.08	9.09	1.11	9.73	97.06	9.04	1.01	8.75	9.74	96.95
Lung and Bronchus	79.81	56.86	1.40	41.90	1.21	68.73	116.13	56.45	0.74	53.92	65.18	122.45
Melanoma of Skin	19.54	2.19	8.94	1.98	9.60	20.99	93.10	2.06	0.96	2.17	20.82	93.84
Breast												
Cervix	9.13	2.34	3.91	2.22	3.48	8.13	112.29	2.56	0.87	2.27	7.91	115.37
Corpus and Uterus,NOS	22.17	3.16	7.02	3.87	6.41	20.23	109.62	3.39	1.14	3.25	20.81	106.56
Ovary	11.97	8.29	1.44	9.09	1.51	12.52	95.57	8.89	1.02	8.32	12.58	95.14
Urinary Bladder	9.91	2.49	3.97	2.24	4.34	10.83	91.52	2.35	0.95	2.47	10.72	92.42
Kidney and Renal Pelvis	11.49	2.92	3.94	2.77	3.39	9.89	116.22	2.88	0.96	2.90	9.82	117.08
Brain and Other Nervous System	5.35	3.32	1.61	3.82	1.56	5.17	103.51	3.70	1.03	3.34	5.20	102.86
Hodgkin's Disease	1.90	0.38	5.03	0.37	7.20	2.71	69.91	0.37	1.01	0.38	2.72	69.79
Non-Hodgkin's Lymphomas	16.03	6.47	2.48	5.94	2.94	19.02	84.27	6.18	0.96	6.42	18.87	84.92
Multiple Myeloma	4.38	2.90	1.51	2.72	1.54	4.46	98.15	2.91	0.93	2.86	4.40	99.44
Leukemias	9.70	6.11	1.59	5.66	1.78	10.90	89.02	5.84	0.97	6.07	10.83	89.58
Sum of Rates for White Females	273.76					267.03	102.52				261.85	104.55

Sum of Rates for Whites **334.69** **322.09** **103.91** **313.36** **106.48**

**National Program of Cancer Registries - Cancer Surveillance System
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Kentucky - 2005

Estimated Completeness Summary

Intrrim Completeness Estimates Adjusted for Reference Mortality					
Whites		Blacks		Race Proportional	
Percent Complete	Population	Percent Complete	Population	Percent Complete	Population
106.48	3,788,310	112.78	328,701	106.98	4,117,011

Final Completeness Estimates Adjusted for Reference Mortality and Duplicate Records			
Total Incident Cases	22232	Adjusted Total Incident Cases	22227
Race Proportional Completeness, Adjusted for Reference Mortality	106.98	Expected Incident Cases	20782
%Unresolved Duplicates*	0.02	Final Completeness Estimates, Adjusted for Reference Mortality and Duplicate Records	106.96

* 0.00 indicates all duplicates are resolved.

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Estimated Completeness of Case Ascertainment for Blacks

Kentucky - 2004

Black Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdused for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2004	2003 - 2004	Inc/Mort Ratio	2002-2006	Inc/Mort Ratio							
	Incidence	Mortality	Ratio	Mortality	Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	17.53	10.31	1.70	6.46	2.52	26.02	67.37	6.77	0.95	10.21	25.78	68.01
Esophagus	8.23	12.93	0.64	9.23	0.92	11.85	69.49	11.92	0.77	12.34	11.31	72.78
Stomach	12.40	5.38	2.30	11.02	1.48	7.95	156.02	8.01	1.37	5.78	8.55	145.14
Colon and Rectum	75.91	30.46	2.49	31.38	2.17	66.07	114.90	30.59	1.03	30.61	66.41	114.31
Liver	8.55	8.22	1.04	9.54	1.41	11.63	73.59	7.84	1.22	8.58	12.13	70.52
Pancreas	9.31	15.74	0.59	15.38	1.07	16.79	55.44	17.16	0.90	15.41	16.45	56.61
Lung and Bronchus	157.84	116.80	1.35	90.13	1.12	130.85	120.63	116.36	0.77	111.53	124.95	126.33
Melanoma of the Skin												
Prostate												
Urinary Bladder	25.70	7.97	3.22	5.46	3.80	30.28	84.87	6.71	0.81	7.68	29.16	88.14
Kidney and Renal Pelvis	26.59	4.50	5.91	5.95	3.48	15.66	169.79	4.99	1.19	4.67	16.26	163.50
Brain and Other Nervous System	2.99	2.33	1.28	3.17	1.47	3.44	86.86	1.58	2.00	2.80	4.13	72.34
Hodgkin's Disease	2.23	0.00	0.00	0.53	5.61	0.00	0.00	1.29	0.41	0.00	0.00	0.00
Non-Hodgkin's Lymphomas	24.80	3.25	7.64	6.26	3.06	9.93	249.86	6.46	0.97	3.23	9.86	251.44
Multiple Myeloma	12.49	10.94	1.14	8.22	1.70	18.55	67.33	10.00	0.82	10.55	17.89	69.82
Leukemias	12.55	9.04	1.39	8.54	1.49	13.50	92.95	9.22	0.93	8.91	13.31	94.32
Sum of Rates for Black Males	397.13					362.52	109.55				356.18	111.50

Black Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdused for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2004	2003 - 2004	Inc/Mort Ratio	2002-2006	Inc/Mort Ratio							
	Incidence	Mortality	Ratio	Mortality	Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	4.21	0.33	12.88	1.57	3.91	1.28	329.67	1.52	1.03	0.33	1.28	327.62
Esophagus	3.98	2.37	1.68	2.66	1.19	2.81	141.64	2.03	1.31	2.52	2.99	133.35
Stomach	10.64	4.56	2.33	5.30	1.64	7.50	141.88	4.31	1.23	4.77	7.85	135.64
Colon and Rectum	60.86	27.97	2.18	21.57	2.47	69.18	87.98	28.92	0.75	26.55	65.66	92.69
Liver	1.88	3.60	0.52	2.98	1.32	4.74	39.73	2.81	1.06	3.64	4.80	39.27
Pancreas	15.90	12.25	1.30	12.37	1.20	14.68	108.26	13.60	0.91	12.03	14.42	110.25
Lung and Bronchus	92.54	62.35	1.48	39.98	1.40	87.00	106.37	60.48	0.66	58.12	81.10	114.11
Melanoma of the Skin												
Breast												
Cervix	12.99	6.97	1.86	4.55	2.01	14.04	92.50	4.76	0.96	6.91	13.92	93.31
Corpus and Uterus,NOS	19.95	6.04	3.30	7.17	2.85	17.20	115.99	5.90	1.22	6.30	17.94	111.19
Ovary	9.82	5.52	1.78	7.33	1.36	7.52	130.50	6.35	1.15	5.69	7.75	126.61
Urinary Bladder	7.55	3.77	2.00	2.75	2.91	10.97	68.83	3.71	0.74	3.58	10.40	72.57
Kidney and Renal Pelvis	14.46	1.87	7.75	2.67	3.77	7.05	205.31	2.74	0.97	1.86	7.01	206.42
Brain and Other Nervous System	4.01	4.47	0.90	2.06	1.74	7.76	51.69	2.75	0.75	4.24	7.37	54.43
Hodgkin's Disease	3.60	0.38	9.39	0.30	8.16	3.13	115.17	0.44	0.69	0.36	2.93	122.72
Non-Hodgkin's Lymphomas	10.36	4.51	2.30	4.09	3.08	13.86	74.73	3.76	1.09	4.59	14.11	73.43
Multiple Myeloma	11.48	4.33	2.65	5.84	1.70	7.35	156.19	5.89	0.99	4.32	7.34	156.42
Leukemias	6.03	7.18	0.84	5.06	1.57	11.31	53.29	4.97	1.02	7.21	11.35	53.10
Sum of Rates for Black Females	290.25					287.36	101.00				278.21	104.33

Sum of Rates for Blacks	342.56					324.14	105.68				316.37	107.84
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Estimated Completeness of Case Ascertainment for Whites

Kentucky - 2004

White Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Adjusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2004 Incidence	2003 - 2004 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	17.77	3.95	4.50	3.70	4.05	16.01	111.03	4.39	0.84	3.83	15.51	114.61
Esophagus	8.97	8.04	1.12	7.86	0.98	7.89	113.64	8.03	0.98	8.01	7.86	114.11
Stomach	8.05	4.58	1.76	4.82	2.05	9.39	85.78	4.74	1.02	4.59	9.42	85.51
Colon and Rectum	69.66	25.33	2.75	21.37	2.55	64.52	107.96	26.03	0.82	24.42	62.21	111.98
Liver	6.23	5.07	1.23	5.51	1.39	7.07	88.20	5.42	1.02	5.09	7.09	87.88
Pancreas	12.74	12.16	1.05	12.15	1.06	12.89	98.81	12.21	1.00	12.15	12.88	98.91
Lung and Bronchus	137.56	108.71	1.27	69.93	1.01	109.47	125.67	107.71	0.65	101.08	101.79	135.15
Melanoma of Skin	25.87	4.97	5.21	4.44	6.44	31.97	80.93	4.99	0.89	4.86	31.27	82.74
Prostate												
Urinary Bladder	39.70	7.66	5.18	7.89	4.98	38.14	104.11	8.07	0.98	7.62	37.97	104.56
Kidney and Renal Pelvis	19.91	7.39	2.70	6.07	2.97	21.95	90.69	7.07	0.86	7.18	21.33	93.33
Brain and Other Nervous System	8.46	5.15	1.64	5.67	1.46	7.53	112.41	5.36	1.06	5.21	7.61	111.14
Hodgkin's Disease	3.07	0.82	3.77	0.56	5.88	4.80	64.07	0.68	0.82	0.79	4.62	66.48
Non-Hodgkin's Lymphomas	24.28	9.95	2.44	9.34	2.67	26.54	91.48	10.04	0.93	9.81	26.17	92.76
Multiple Myeloma	7.18	4.54	1.58	4.27	1.58	7.16	100.18	4.73	0.90	4.45	7.02	102.20
Leukemias	17.31	9.51	1.82	10.11	1.67	15.86	109.13	10.32	0.98	9.47	15.79	109.60
Sum of Rates for White Males	406.77					381.17	106.71				368.55	110.37

White Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Adjusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2004 Incidence	2003 - 2004 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	6.31	1.60	3.94	1.44	4.20	6.74	93.67	1.51	0.95	1.59	6.67	94.58
Esophagus	2.32	1.45	1.60	1.63	1.18	1.72	135.34	1.51	1.07	1.47	1.74	133.36
Stomach	3.69	2.34	1.57	2.45	1.99	4.67	79.03	2.17	1.13	2.40	4.79	77.10
Colon and Rectum	50.18	18.30	2.74	14.86	2.77	50.61	99.14	17.64	0.84	17.73	49.02	102.37
Liver	1.81	2.25	0.81	1.94	1.28	2.89	62.69	2.14	0.91	2.21	2.84	63.87
Pancreas	9.13	9.10	1.00	9.09	1.11	10.13	90.12	9.04	1.01	9.11	10.14	90.01
Lung and Bronchus	76.62	56.13	1.36	41.90	1.21	67.85	112.92	56.45	0.74	53.24	64.35	119.06
Melanoma of Skin	18.18	2.08	8.74	1.98	9.60	19.96	91.07	2.06	0.96	2.06	19.80	91.80
Breast												
Cervix	9.80	2.65	3.69	2.22	3.48	9.24	106.10	2.56	0.87	2.58	8.99	109.00
Corpus and Uterus,NOS	24.34	3.66	6.65	3.87	6.41	23.43	103.87	3.39	1.14	3.76	24.11	100.96
Ovary	13.40	9.03	1.48	9.09	1.51	13.65	98.15	8.89	1.02	9.07	13.71	97.71
Urinary Bladder	10.92	2.63	4.15	2.24	4.34	11.43	95.52	2.35	0.95	2.61	11.32	96.46
Kidney and Renal Pelvis	11.27	2.98	3.78	2.77	3.39	10.11	111.40	2.88	0.96	2.96	10.04	112.22
Brain and Other Nervous System	6.36	3.94	1.61	3.82	1.56	6.13	103.64	3.70	1.03	3.96	6.17	103.00
Hodgkin's Disease	2.21	0.37	5.92	0.37	7.20	2.69	82.23	0.37	1.01	0.37	2.69	82.09
Non-Hodgkin's Lymphomas	17.59	5.95	2.96	5.94	2.94	17.50	100.54	6.18	0.96	5.90	17.36	101.32
Multiple Myeloma	4.62	3.13	1.47	2.72	1.54	4.82	95.97	2.91	0.93	3.09	4.75	97.23
Leukemias	9.85	6.25	1.58	5.66	1.78	11.15	88.32	5.84	0.97	6.21	11.08	88.87
Sum of Rates for White Females	278.59					274.72	101.41				269.59	103.34

Sum of Rates for Whites	341.34					326.83	104.44				318.03	106.78
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Kentucky - 2004

Estimated Completeness Summary

Intrim Completeness Estimates Adjusted for Reference Mortality					
Whites		Blacks		Race Proportional	
Percent Complete	Population	Percent Complete	Population	Percent Complete	Population
106.78	3,763,659	107.84	324,297	106.87	4,087,956

Final Completeness Estimates Adjusted for Reference Mortality and Duplicate Records			
Total Incident Cases	22124	Adjusted Total Incident Cases	22119
Race Proportional Completeness, Adjusted for Reference Mortality	106.87	Expected Incident Cases	20703
%Unresolved Duplicates*	0.02	Final Completeness Estimates, Adjusted for Reference Mortality and Duplicate Records	106.84

* 0.00 indicates all duplicates are resolved.

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Estimated Completeness of Case Ascertainment for Blacks

Kentucky - 2003

Black Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adj. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2003 Incidence	2002 - 2003 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site												
Oral Cavity and Pharynx	22.00	8.62	2.55	6.46	2.52	21.77	101.09	6.77	0.95	8.54	21.56	102.04
Esophagus	13.18	12.28	1.07	9.23	0.92	11.26	117.12	11.92	0.77	11.73	10.75	122.67
Stomach	9.44	10.53	0.90	11.02	1.48	15.56	60.67	8.01	1.37	11.32	16.72	56.44
Colon and Rectum	91.65	34.63	2.65	31.38	2.17	75.13	121.99	30.59	1.03	34.81	75.52	121.37
Liver	9.13	8.21	1.11	9.54	1.41	11.62	78.59	7.84	1.22	8.57	12.12	75.31
Pancreas	25.50	19.02	1.34	15.38	1.07	20.29	125.70	17.16	0.90	18.62	19.87	128.36
Lung and Bronchus	137.60	119.94	1.15	90.13	1.12	134.37	102.40	116.36	0.77	114.53	128.31	107.24
Melanoma of the Skin												
Prostate												
Urinary Bladder	16.37	8.21	1.99	5.46	3.80	31.18	52.51	6.71	0.81	7.90	30.02	54.54
Kidney and Renal Pelvis	22.66	5.89	3.85	5.95	3.48	20.51	110.49	4.99	1.19	6.11	21.30	106.39
Brain and Other Nervous System	9.37	1.48	6.32	3.17	1.47	2.19	428.71	1.58	2.00	1.78	2.62	357.07
Hodgkin's Disease	3.07	1.27	2.41	0.53	5.61	7.16	42.85	1.29	0.41	1.12	6.31	48.60
Non-Hodgkin's Lymphomas	22.16	6.88	3.22	6.26	3.06	21.05	105.28	6.46	0.97	6.84	20.92	105.95
Multiple Myeloma	16.05	9.28	1.73	8.22	1.70	15.74	101.97	10.00	0.82	8.95	15.18	105.74
Leukemias	10.72	8.58	1.25	8.54	1.49	12.81	83.64	9.22	0.93	8.45	12.63	84.88
Sum of Rates for Black Males	408.90					400.61	102.07				393.82	103.83

Black Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adj. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2003 Incidence	2002 - 2003 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site												
Oral Cavity and Pharynx	4.58	1.56	2.94	1.57	3.91	6.09	75.30	1.52	1.03	1.57	6.13	74.83
Esophagus	3.81	1.99	1.91	2.66	1.19	2.37	161.17	2.03	1.31	2.12	2.51	151.73
Stomach	8.16	5.13	1.59	5.30	1.64	8.43	96.84	4.31	1.23	5.36	8.82	92.58
Colon and Rectum	68.05	33.66	2.02	21.57	2.47	83.25	81.74	28.92	0.75	31.95	79.02	86.11
Liver	3.57	1.52	2.35	2.98	1.32	2.00	177.92	2.81	1.06	1.54	2.03	175.85
Pancreas	13.09	11.31	1.16	12.37	1.20	13.55	96.63	13.60	0.91	11.10	13.31	98.40
Lung and Bronchus	86.65	58.24	1.49	39.98	1.40	81.26	106.64	60.48	0.66	54.29	75.75	114.39
Melanoma of the Skin												
Breast												
Cervix	16.85	5.92	2.85	4.55	2.01	11.92	141.34	4.76	0.96	5.87	11.81	142.59
Corpus and Uterus,NOS	25.07	7.32	3.43	7.17	2.85	20.83	120.39	5.90	1.22	7.64	21.73	115.41
Ovary	9.38	5.80	1.62	7.33	1.36	7.90	118.82	6.35	1.15	5.98	8.14	115.27
Urinary Bladder	12.01	4.23	2.84	2.75	2.91	12.29	97.69	3.71	0.74	4.01	11.66	103.00
Kidney and Renal Pelvis	10.73	3.37	3.19	2.67	3.77	12.71	84.47	2.74	0.97	3.35	12.64	84.93
Brain and Other Nervous System	5.87	3.28	1.79	2.06	1.74	5.70	103.11	2.75	0.75	3.11	5.41	108.58
Hodgkin's Disease	1.73	0.80	2.16	0.30	8.16	6.53	26.45	0.44	0.69	0.75	6.12	28.18
Non-Hodgkin's Lymphomas	7.62	4.66	1.64	4.09	3.08	14.34	53.19	3.76	1.09	4.74	14.59	52.27
Multiple Myeloma	11.64	5.92	1.96	5.84	1.70	10.06	115.63	5.89	0.99	5.91	10.05	115.80
Leukemias	11.72	7.25	1.62	5.06	1.57	11.41	102.71	4.97	1.02	7.27	11.45	102.34
Sum of Rates for Black Females	300.54					310.62	96.76				301.16	99.80

Sum of Rates for Blacks	353.24					354.38	99.68				346.22	101.76
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National Program of Cancer Registries - Cancer Surveillance System
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Estimated Completeness of Case Ascertainment for Whites

Kentucky - 2003

White Males Cancer Site	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdused for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjst. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2003 Incidence	2002 - 2003 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Oral Cavity and Pharynx	18.94	4.19	4.52	3.70	4.05	16.97	111.60	4.39	0.84	4.05	16.44	115.21
Esophagus	9.48	8.47	1.12	7.86	0.98	8.31	114.00	8.03	0.98	8.43	8.28	114.48
Stomach	7.84	5.02	1.56	4.82	2.05	10.28	76.24	4.74	1.02	5.03	10.32	76.00
Colon and Rectum	68.91	28.75	2.40	21.37	2.55	73.23	94.10	26.03	0.82	27.72	70.61	97.59
Liver	6.49	5.83	1.11	5.51	1.39	8.12	79.89	5.42	1.02	5.85	8.15	79.60
Pancreas	13.44	12.38	1.09	12.15	1.06	13.13	102.35	12.21	1.00	12.37	13.12	102.45
Lung and Bronchus	135.32	112.04	1.21	69.93	1.01	112.82	119.94	107.71	0.65	104.18	104.91	128.99
Melanoma of Skin	24.86	5.16	4.81	4.44	6.44	33.23	74.80	4.99	0.89	5.05	32.51	76.48
Prostate												
Urinary Bladder	37.93	7.73	4.90	7.89	4.98	38.52	98.48	8.07	0.98	7.70	38.35	98.91
Kidney and Renal Pelvis	23.68	7.11	3.33	6.07	2.97	21.14	112.01	7.07	0.86	6.91	20.55	115.26
Brain and Other Nervous System	8.14	5.92	1.38	5.67	1.46	8.64	94.22	5.36	1.06	5.98	8.74	93.16
Hodgkin's Disease	2.77	0.84	3.30	0.56	5.88	4.94	56.08	0.68	0.82	0.81	4.77	58.18
Non-Hodgkin's Lymphomas	20.93	10.30	2.03	9.34	2.67	27.48	76.14	10.04	0.93	10.16	27.10	77.21
Multiple Myeloma	6.16	4.72	1.31	4.27	1.58	7.44	82.87	4.73	0.90	4.62	7.29	84.54
Leukemias	16.53	11.01	1.50	10.11	1.67	18.36	90.02	10.32	0.98	10.97	18.28	90.40
Sum of Rates for White Males	401.42					402.63	99.70				389.40	103.08

White Females Cancer Site	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdused for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjst. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2003 Incidence	2002 - 2003 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Oral Cavity and Pharynx	5.91	1.31	4.52	1.44	4.20	5.50	107.48	1.51	0.95	1.30	5.45	108.52
Esophagus	1.82	1.27	1.44	1.63	1.18	1.50	121.44	1.51	1.07	1.28	1.52	119.67
Stomach	3.60	2.38	1.51	2.45	1.99	4.74	76.02	2.17	1.13	2.44	4.86	74.16
Colon and Rectum	51.69	19.18	2.70	14.86	2.77	53.03	97.47	17.64	0.84	18.57	51.36	100.64
Liver	1.90	2.05	0.93	1.94	1.28	2.64	72.00	2.14	0.91	2.02	2.59	73.35
Pancreas	10.37	9.30	1.11	9.09	1.11	10.35	100.11	9.04	1.01	9.31	10.37	99.99
Lung and Bronchus	76.31	56.60	1.35	41.90	1.21	68.42	111.54	56.45	0.74	53.68	64.89	117.60
Melanoma of Skin	16.05	1.94	8.29	1.98	9.60	18.58	86.40	2.06	0.96	1.92	18.43	87.09
Breast												
Cervix	8.26	2.98	2.77	2.22	3.48	10.38	79.60	2.56	0.87	2.90	10.10	81.78
Corpus and Uterus,NOS	23.07	3.39	6.80	3.87	6.41	21.73	106.18	3.39	1.14	3.49	22.36	103.21
Ovary	11.39	9.45	1.20	9.09	1.51	14.29	79.74	8.89	1.02	9.50	14.35	79.39
Urinary Bladder	10.37	2.33	4.45	2.24	4.34	10.11	102.54	2.35	0.95	2.31	10.01	103.55
Kidney and Renal Pelvis	12.50	2.83	4.41	2.77	3.39	9.61	130.15	2.88	0.96	2.81	9.54	131.11
Brain and Other Nervous System	5.94	4.24	1.40	3.82	1.56	6.60	90.10	3.70	1.03	4.26	6.64	89.54
Hodgkin's Disease	2.45	0.41	5.98	0.37	7.20	2.95	83.05	0.37	1.01	0.41	2.96	82.91
Non-Hodgkin's Lymphomas	17.25	6.07	2.84	5.94	2.94	17.85	96.62	6.18	0.96	6.02	17.72	97.37
Multiple Myeloma	4.36	3.21	1.36	2.72	1.54	4.93	88.37	2.91	0.93	3.17	4.87	89.53
Leukemias	11.35	5.77	1.97	5.66	1.78	10.29	110.30	5.84	0.97	5.73	10.23	110.98
Sum of Rates for White Females	274.60					273.50	100.41				268.23	102.38

Sum of Rates for Whites	336.56					336.59	99.99				327.43	102.72
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**National Program of Cancer Registries - Cancer Surveillance System
SSR1 - Standard Status Report - 2009**

Kentucky - 2003

Estimated Completeness Summary

Intrim Completeness Estimates Adjusted for Reference Mortality					
Whites		Blacks		Race Proportional	
Percent Complete	Population	Percent Complete	Population	Percent Complete	Population
102.72	3,745,557	101.76	318,919	102.65	4,064,476

Final Completeness Estimates Adjusted for Reference Mortality and Duplicate Records			
Total Incident Cases	21758	Adjusted Total Incident Cases	21753
Race Proportional Completeness, Adjusted for Reference Mortality	102.65	Expected Incident Cases	21197
%Unresolved Duplicates*	0.02	Final Completeness Estimates, Adjusted for Reference Mortality and Duplicate Records	102.63

* 0.00 indicates all duplicates are resolved.

**National Program of Cancer Registries - Cancer Surveillance System
SSR1 - Standard Status Report - 2009**

**Estimated Completeness of Case Ascertainment for Blacks
Kentucky - 2002**

Black Males Cancer Site	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2002 Incidence	2001 - 2002 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Oral Cavity and Pharynx	21.38	6.59	3.24	6.46	2.52	16.65	128.44	6.77	0.95	6.53	16.49	129.65
Esophagus	15.15	13.28	1.14	9.23	0.92	12.17	124.41	11.92	0.77	12.68	11.62	130.30
Stomach	13.45	11.65	1.15	11.02	1.48	17.21	78.15	8.01	1.37	12.53	18.50	72.70
Colon and Rectum	85.11	35.94	2.37	31.38	2.17	77.97	109.16	30.59	1.03	36.13	78.37	108.60
Liver	10.81	5.27	2.05	9.54	1.41	7.45	144.99	7.84	1.22	5.50	7.78	138.95
Pancreas	19.06	16.79	1.13	15.38	1.07	17.92	106.36	17.16	0.90	16.44	17.54	108.61
Lung and Bronchus	157.62	125.16	1.26	90.13	1.12	140.21	112.42	116.36	0.77	119.51	133.89	117.73
Melanoma of the Skin												
Prostate												
Urinary Bladder	24.46	6.58	3.71	5.46	3.80	25.00	97.81	6.71	0.81	6.34	24.08	101.58
Kidney and Renal Pelvis	21.21	5.33	3.98	5.95	3.48	18.55	114.33	4.99	1.19	5.53	19.27	110.09
Brain and Other Nervous System	7.22	1.77	4.07	3.17	1.47	2.62	276.05	1.58	2.00	2.13	3.14	229.92
Hodgkin's Disease	4.17	1.29	3.25	0.53	5.61	7.22	57.82	1.29	0.41	1.13	6.36	65.58
Non-Hodgkin's Lymphomas	17.17	12.26	1.40	6.26	3.06	37.50	45.78	6.46	0.97	12.18	37.26	46.07
Multiple Myeloma	14.46	9.35	1.55	8.22	1.70	15.86	91.19	10.00	0.82	9.02	15.29	94.57
Leukemias	15.50	10.70	1.45	8.54	1.49	15.98	96.97	9.22	0.93	10.55	15.75	98.41
Sum of Rates for Black Males	426.75					412.30	103.50				405.34	105.28

Black Females Cancer Site	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adjust. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2002 Incidence	2001 - 2002 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Oral Cavity and Pharynx	3.40	2.34	1.45	1.57	3.91	9.15	37.15	1.52	1.03	2.36	9.20	36.92
Esophagus	1.50	2.75	0.54	2.66	1.19	3.26	45.92	2.03	1.31	2.92	3.47	43.23
Stomach	8.60	3.87	2.22	5.30	1.64	6.36	135.24	4.31	1.23	4.04	6.65	129.29
Colon and Rectum	70.98	33.81	2.10	21.57	2.47	83.61	84.89	28.92	0.75	32.09	79.36	89.43
Liver	3.43	1.09	3.15	2.98	1.32	1.44	238.85	2.81	1.06	1.10	1.45	236.08
Pancreas	11.04	11.51	0.96	12.37	1.20	13.80	80.05	13.60	0.91	11.30	13.55	81.52
Lung and Bronchus	67.24	56.19	1.20	39.98	1.40	78.40	85.77	60.48	0.66	52.38	73.08	92.01
Melanoma of the Skin												
Breast												
Cervix	12.25	4.88	2.51	4.55	2.01	9.83	124.67	4.76	0.96	4.84	9.74	125.77
Corpus and Uterus,NOS	19.00	4.86	3.91	7.17	2.85	13.82	137.48	5.90	1.22	5.07	14.42	131.80
Ovary	12.58	5.60	2.25	7.33	1.36	7.63	165.00	6.35	1.15	5.77	7.86	160.07
Urinary Bladder	8.28	3.44	2.41	2.75	2.91	10.01	82.72	3.71	0.74	3.26	9.49	87.22
Kidney and Renal Pelvis	16.54	4.48	3.69	2.67	3.77	16.91	97.85	2.74	0.97	4.46	16.81	98.38
Brain and Other Nervous System	3.37	4.00	0.84	2.06	1.74	6.95	48.51	2.75	0.75	3.80	6.60	51.08
Hodgkin's Disease	1.11	0.80	1.39	0.30	8.16	6.54	16.98	0.44	0.69	0.75	6.14	18.10
Non-Hodgkin's Lymphomas	10.51	3.68	2.86	4.09	3.08	11.31	92.95	3.76	1.09	3.74	11.51	91.35
Multiple Myeloma	9.49	5.71	1.66	5.84	1.70	9.70	97.86	5.89	0.99	5.70	9.68	98.00
Leukemias	8.22	5.03	1.63	5.06	1.57	7.93	103.67	4.97	1.02	5.05	7.96	103.30
Sum of Rates for Black Females	267.56					296.63	90.20				286.99	93.23

Sum of Rates for Blacks	345.31					353.13	97.79				344.79	99.12
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**National Program of Cancer Registries - Cancer Surveillance System
SSR1 - Standard Status Report - 2009**

Estimated Completeness of Case Ascertainment for Whites

Kentucky - 2002

White Males	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adj. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2002 Incidence	2001 - 2002 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	19.52	4.62	4.22	3.70	4.05	18.74	104.17	4.39	0.84	4.48	18.15	107.54
Esophagus	8.14	8.46	0.96	7.86	0.98	8.31	98.03	8.03	0.98	8.43	8.27	98.44
Stomach	9.19	5.16	1.78	4.82	2.05	10.58	86.81	4.74	1.02	5.18	10.62	86.53
Colon and Rectum	69.51	27.79	2.50	21.37	2.55	70.79	98.21	26.03	0.82	26.79	68.25	101.86
Liver	5.59	5.22	1.07	5.51	1.39	7.27	76.89	5.42	1.02	5.23	7.29	76.61
Pancreas	12.51	11.18	1.12	12.15	1.06	11.85	105.53	12.21	1.00	11.17	11.84	105.64
Lung and Bronchus	139.30	116.83	1.19	69.93	1.01	117.64	118.41	107.71	0.65	108.63	109.39	127.34
Melanoma of Skin	23.99	5.47	4.38	4.44	6.44	35.21	68.13	4.99	0.89	5.35	34.44	69.65
Prostate												
Urinary Bladder	39.65	7.51	5.28	7.89	4.98	37.42	105.97	8.07	0.98	7.48	37.26	106.43
Kidney and Renal Pelvis	20.60	7.14	2.89	6.07	2.97	21.21	97.13	7.07	0.86	6.93	20.61	99.94
Brain and Other Nervous System	7.35	6.38	1.15	5.67	1.46	9.32	78.92	5.36	1.06	6.45	9.42	78.04
Hodgkin's Disease	3.34	0.94	3.57	0.56	5.88	5.50	60.63	0.68	0.82	0.90	5.30	62.90
Non-Hodgkin's Lymphomas	22.80	10.00	2.28	9.34	2.67	26.68	85.47	10.04	0.93	9.86	26.31	86.67
Multiple Myeloma	7.60	5.13	1.48	4.27	1.58	8.10	93.85	4.73	0.90	5.03	7.94	95.74
Leukemias	17.54	11.35	1.55	10.11	1.67	18.92	92.70	10.32	0.98	11.30	18.84	93.09
Sum of Rates for White Males	406.63					407.52	99.78				393.93	103.22

White Females	Kentucky			SEER (11 Regs) and US Mortality		Initial Results		Mortality Adjustment Terms			Ajdusted for Mortality	
	Age-Adjusted Rates (2000 US)			Age-Adjusted Rates (2000 US)		Expected Incidence Rate	Initial Percent Complete	Registry 2002-2006 Mort Rate	Adj. Term	Adj Reg 2000 Mort Rate	Expected Incidence Rate	Intrim Percent Complete
	2002 Incidence	2001 - 2002 Mortality	Inc/Mort Ratio	2002-2006 Mortality	Inc/Mort Ratio							
Cancer Site	Incidence	Mortality	Ratio	Mortality	Ratio	Rate	Complete	Mort Rate	Term	Mort Rate	Rate	Complete
Oral Cavity and Pharynx	5.44	1.51	3.60	1.44	4.20	6.36	85.64	1.51	0.95	1.50	6.30	86.47
Esophagus	1.44	1.36	1.06	1.63	1.18	1.61	89.43	1.51	1.07	1.38	1.63	88.12
Stomach	3.49	2.21	1.58	2.45	1.99	4.40	79.32	2.17	1.13	2.27	4.51	77.38
Colon and Rectum	51.46	19.31	2.66	14.86	2.77	53.39	96.38	17.64	0.84	18.70	51.71	99.51
Liver	2.00	2.26	0.89	1.94	1.28	2.90	68.98	2.14	0.91	2.22	2.85	70.27
Pancreas	9.47	8.98	1.06	9.09	1.11	9.99	94.83	9.04	1.01	8.99	10.00	94.72
Lung and Bronchus	76.02	55.97	1.36	41.90	1.21	67.65	112.37	56.45	0.74	53.08	64.17	118.48
Melanoma of Skin	16.09	2.35	6.85	1.98	9.60	22.56	71.34	2.06	0.96	2.33	22.38	71.91
Breast												
Cervix	10.19	2.55	3.99	2.22	3.48	8.88	114.74	2.56	0.87	2.48	8.64	117.88
Corpus and Uterus,NOS	22.28	3.20	6.96	3.87	6.41	20.50	108.67	3.39	1.14	3.29	21.09	105.63
Ovary	13.12	9.43	1.39	9.09	1.51	14.25	92.08	8.89	1.02	9.47	14.32	91.67
Urinary Bladder	9.39	2.32	4.05	2.24	4.34	10.06	93.37	2.35	0.95	2.29	9.96	94.29
Kidney and Renal Pelvis	10.18	3.42	2.98	2.77	3.39	11.58	87.88	2.88	0.96	3.39	11.50	88.53
Brain and Other Nervous System	6.49	3.80	1.71	3.82	1.56	5.91	109.78	3.70	1.03	3.82	5.95	109.09
Hodgkin's Disease	3.21	0.39	8.20	0.37	7.20	2.82	113.89	0.37	1.01	0.39	2.82	113.70
Non-Hodgkin's Lymphomas	17.47	6.58	2.66	5.94	2.94	19.35	90.32	6.18	0.96	6.53	19.20	91.02
Multiple Myeloma	4.60	3.09	1.49	2.72	1.54	4.74	97.10	2.91	0.93	3.05	4.68	98.38
Leukemias	8.68	5.60	1.55	5.66	1.78	10.00	86.79	5.84	0.97	5.57	9.93	87.33
Sum of Rates for White Females	271.04					276.95	97.86				271.64	99.78

Sum of Rates for Whites **337.38** **340.84** **98.98** **331.47** **101.46**

**National Program of Cancer Registries - Cancer Surveillance System
SSR1 - Standard Status Report - 2009**

Kentucky - 2002

Estimated Completeness Summary

Intrim Completeness Estimates Adjusted for Reference Mortality					
Whites		Blacks		Race Proportional	
Percent Complete	Population	Percent Complete	Population	Percent Complete	Population
101.46	3,724,334	99.12	316,869	101.28	4,041,203

Final Completeness Estimates Adjusted for Reference Mortality and Duplicate Records			
Total Incident Cases	21691	Adjusted Total Incident Cases	21686
Race Proportional Completeness, Adjusted for Reference Mortality	101.28	Expected Incident Cases	21417
%Unresolved Duplicates*	0.02	Final Completeness Estimates, Adjusted for Reference Mortality and Duplicate Records	101.26

* 0.00 indicates all duplicates are resolved.



**2009 - Submission Summary Report (SSR2)
National Program of Cancer Registries
Cancer Surveillance System**

Kentucky



**Department of Health and Human Services
Centers for Disease Control and Prevention
Safer • Healthier • People**

National Program of Cancer Registries - Cancer Surveillance System

SSR2 - Submission Summary Report - 2009

Kentucky

Table 1: Submission Summary

Diagnosis Year	Record Status					
	Records Received	Non-reportable Records	Reportable Records	Invasive Records*	In Situ Records	Benign Brain Records
2007	23288	0	23288	21294	1360	634
2006	24679	0	24679	22569	1410	700
2005	24325	0	24325	22232	1377	716
2004	24106	0	24106	22124	1396	586
2003	23104	0	23104	21758	1346	N/A
2002	23107	0	23107	21691	1416	N/A
<= 2001 **	150769	5	150764	142040	8467	N/A
Prior to NPCR Reference Year						N/A
Total	293378	5	293373	273708	16772	2636

* Invasive records include in situ bladder.

** Includes all submitted records from the NPCR reference year through 2001.

Submission Date: February 2, 2009

NAACCR Record Version: B

NPCR Reference Year: 1995

Years Submitted: 1995-2007

National Program of Cancer Registries - Cancer Surveillance System

SSR2 - Submission Summary Report - 2009

Kentucky

Table 2a: Number and Percentage Core Single and Inter-field Errors

Edit Name	2007		2006		2005		2004		2003		2002		Comment
	n	%	n	%	n	%	n	%	n	%	n	%	
Total Records with Core Single and Inter-field Errors	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	
Total Core Single and Inter-field Errors	0	-	0	-	0	-	0	-	0	-	0	-	
Total NPCR-Reportable Records	23288	-	24679	-	24325	-	24106	-	23104	-	23107	-	

The percentage of records with core errors is based on NPCR Reportable Records.

- Percentage not calculated.

National Program of Cancer Registries - Cancer Surveillance System

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Table 2b: Number and Percentage Advanced Single and Inter-field Errors

Edit Name	2007		2006		2005		2004		2003		2002		Comment
	n	%	n	%	n	%	n	%	n	%	n	%	
Total Records with Advanced Single and Inter-field Errors	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	
Total Advanced Single and Inter-field Errors	0	-	0	-	0	-	0	-	0	-	0	-	
Total NPCR-Reportable Records	23288	-	24679	-	24325	-	24106	-	23104	-	23107	-	

The percentage of records with advanced errors is based on NPCR Reportable Records.

- Percentage not calculated.

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Table 2c: Core Inter-Record Edit Errors by Error Type Among Individuals with Multiple Primaries (1995 - 2006)*

Edit name**	Number	Percentage	Comment
Total Number of Core Inter-Record Edit Errors	0	N/A	
Total Number and Percentage of Patients with Core Inter-record Edit Errors	0	0.00	

N/A: Not Applicable.

All Core Inter-Record edit errors that occur within a record are listed individually.

* N = 18748 represents the number of patients with two or more diagnoses of primary cancer.

** Total patient count and total error count may not add up since a patient could have multiple errors. The percentage of individuals with Core Inter-Record errors is the number of individuals with at least one core error divided by the total number of individuals with multiple primaries.

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Table 2d: Advanced Inter-Record Edit Errors by Error Type Among Individuals with Multiple Primaries (1995 - 2006)*

Edit name**	Number	Percentage	Comment
Total Number of Advanced Inter-Record Edit Errors	0	N/A	
Total Number and Percentage of Patients with Advanced Inter-record Edit Errors	0	0.00	

N/A: Not Applicable.

All Advanced Inter-Record edit errors that occur within a record are listed individually.

* N = 18748 represents the number of patients with two or more diagnoses of primary cancer.

** Total patient count and total error count may not add up since a patient could have multiple errors. The percentage of individuals with Advanced Inter-Record errors is the number of individuals with at least one advanced error divided by the total number of individuals with multiple primaries.

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Table 3 : Percentage of Over-Ride Flagged Fields -- Grouped by Edit Name and Diagnosis Year

OVER-RIDE FLAG NAME														
Age/Site/ Morph [1990]	SeqNo/ DxConf [2000]	Site/Lat/ SeqNo [2010]	Site/Type [2030]	Histology 2040				Report Source [2050]	Ill-define Site [2060]	Leuk, Lymphoma [2070]	Site/ Behavior [2071]	Site/Lat/ Morph [2074]		
ASSOCIATED EDIT NAME														
Diagnosis Year	Age. Primary Site, Morphology (NAACCR IF15)	Diagnostic Confirm, Seq Num-Central (SEER IF23)	Site/Histology/ Laterality/ Sequence Number (IR09)	Primary Site, Morphology -Type Check (SEER IF25)	1 = Morphology-- Type&Behavior (SEER MORPH)	2 = Diagnostic Confirmation, Behavior Code (SEER IF31)	3 = Both 1 and 2 Apply	Type of Report Srce(DC),Seq Num--Central (SEER IF04)	Seq Num-- Central, Primary Site, Morph (SEER IF22)	Diagnostic Confirmation, Histologic Type (SEER IF48)	Primary Site, Behavior Code (SEER IF39)	Laterality, Primary Site, Morphology (SEER IF42)	Percentage of Records with Over- Ride flags*	
2007	0.09	0.63	0.00	1.09	0.00	0.00	0.00	0.00	0.32	0.01	0.00	0.00	2.15	
2006	0.13	0.99	0.06	1.05	0.00	0.00	0.00	0.10	0.36	0.01	0.00	0.00	2.71	
2005	0.09	0.88	0.07	1.08	0.03	0.00	0.01	0.07	0.35	0.02	0.00	0.00	2.62	
2004	0.10	0.95	0.05	1.02	0.02	0.01	0.00	0.06	0.29	0.02	0.00	0.00	2.52	
2003	0.09	0.99	0.05	1.05	0.01	0.01	0.00	0.06	0.31	0.01	0.00	0.00	2.58	
2002	0.10	0.87	0.04	0.94	0.01	0.02	0.00	0.06	0.36	0.04	0.00	0.00	2.45	
SEER OVER-RIDE FLAG QUALITY MEASURES**														
	0.29	1.04	0.40	1.61	0.25	0.00	0.01	0.18	0.61	0.16	0.15	0.19		

The number of records used for this table are from the NPCR Reportable Records in Table 1.

* To determine the percent of records with over-ride flags, multiple flags within a record are counted as one record regardless of the number of flags.

** Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence - SEER 13 Regs Public-Use, Nov 2008 Sub (1992-2006) - Linked To County Attributes - Total U.S., 1969-2006 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2009, based on the November 2008 submission.

National Program of Cancer Registries - Cancer Surveillance System
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Table 4: Median Percentage of Over-Ride Flags for All 2009 NPCR Data Submissions

		OVER-RIDE FLAG NAME												
		Age/Site/ Morph	SeqNo/ DxConf	Site/Lat/ SeqNo	Site/Type	Histology			Report Source	Ill-define Site	Leuk, Lymphoma	Site/ Behavior	Site/Lat/ Morph	
						1 = SEER Morph	2 = SEER IF31	3 = Both 1 and 2						
		Item Number											Percentage of Total Records with Over-Ride Flags	
DX Year	Statistic	[1990]	[2000]	[2010]	[2030]	[2040]			[2050]	[2060]	[2070]	[2071]		[2074]
2007	Median	0.13	0.58	0.01	1.05	0.05	0.00	0.02	0.00	0.39	0.01	0.01	0.00	2.27
	Range	0.00-0.24	0.00-2.58	0.00-0.61	0.00-2.49	0.00-0.50	0.00-0.14	0.00-0.84	0.00-0.82	0.00-1.47	0.00-0.27	0.00-0.16	0.00-0.50	0.17-4.13
2006	Median	0.27	1.28	0.07	2.12	0.10	0.00	0.03	0.04	0.80	0.02	0.02	0.00	2.41
	Range	0.03-0.53	0.01-7.81	0.00-3.58	0.10-4.61	0.00-1.18	0.00-0.29	0.00-1.26	0.00-3.40	0.05-2.26	0.00-0.62	0.00-0.32	0.00-0.71	0.39-7.16
2005	Median	0.40	1.96	0.14	3.26	0.15	0.00	0.04	0.07	1.20	0.03	0.03	0.01	2.49
	Range	0.07-0.91	0.17-13.90	0.00-5.23	0.29-6.67	0.00-2.07	0.00-0.43	0.00-1.94	0.00-7.40	0.09-4.13	0.00-0.86	0.00-0.60	0.00-1.05	0.66-7.74
2004	Median	0.53	2.68	0.21	4.30	0.23	0.00	0.07	0.10	1.61	0.04	0.06	0.02	2.45
	Range	0.13-1.55	0.44-18.28	0.00-6.85	0.46-8.97	0.00-3.20	0.00-0.54	0.00-2.34	0.00-8.27	0.13-7.82	0.00-1.38	0.00-1.17	0.00-1.69	0.59-6.10
2003	Median	0.67	3.43	0.27	5.28	0.27	0.00	0.08	0.12	2.03	0.05	0.07	0.03	2.37
	Range	0.15-2.39	0.78-21.43	0.00-7.82	1.05-11.49	0.00-3.96	0.00-0.62	0.00-2.71	0.00-9.39	0.25-9.90	0.00-1.83	0.00-1.65	0.00-2.24	1.35-5.34
2002	Median	0.80	4.11	0.33	6.17	0.31	0.00	0.08	0.13	2.43	0.06	0.08	0.04	2.06
	Range	0.19-3.40	1.04-24.57	0.00-9.73	1.51-14.53	0.00-4.74	0.00-0.66	0.00-2.90	0.00-10.21	0.35-12.50	0.00-2.36	0.00-2.18	0.00-2.84	0.95-6.88

To Calculate the Total Records with Over-Ride Flags, multiple flags within a record are counted as one record. Only 12 month data and most recent 5 years of data are displayed.



2009 - Data Quality Indicator Report (DQI) National Program of Cancer Registries Cancer Surveillance System

Kentucky



Department of Health and Human Services
Centers for Disease Control and Prevention
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National Program of Cancer Registries - Cancer Surveillance System

DQI - Data Quality Indicator Report - 2009

Kentucky

Table 1: Core Cancer Surveillance Data

Data Quality Indicator* \ Diagnosis Year	2002		2003		2004		2005		2006		NPCR Median(Range)	SEER Median(Range)***
	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	2002-2006	2002-2006
Demographics												
County at Diagnosis [90]												
Blank	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00(0.00 - 0.00)	0.00(0.00 - 0.00)
Unknown (999)	0.00	0.01(0.00 - 0.86)	0.00	0.00(0.00 - 4.18)	0.00	0.01(0.00 - 1.51)	0.00	0.01(0.00 - 1.05)	0.00	0.03(0.00 - 1.35)	0.01(0.00 - 4.18)	0.00(0.00 - 0.57)
County Recode (000)	0.00	0.00(0.00 - 99.99)	0.00	0.00(0.00 - 99.98)	0.00	0.00(0.00 - 99.99)	0.00	0.00(0.00 - 99.95)	0.00	0.00(0.00 - 99.36)	0.00(0.00 - 99.99)	0.00(0.00 - 0.00)
Spanish/Hispanic Origin [190]												
Blank	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00(0.00 - 0.00)	0.00(0.00 - 0.00)
Unknown (9)	4.97	3.82(0.00 - 95.40)	3.21	3.71(0.00 - 94.99)	2.33	3.16(0.00 - 95.58)	3.90	3.77(0.00 - 95.89)	2.38	3.27(0.00 - 98.28)	3.52(0.00 - 98.28)	0.91(0.00 - 3.70)
NHIA Derived Hisp Origin [191]												
Blank	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00(0.00 - 0.00)	0.00(0.00 - 0.00)
Invalid (9)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00(0.00 - 0.00)	0.00(0.00 - 0.00)
Birthdate [240]												
Year (<1850 or >2006, blank)	0.00	0.00(0.00 - 0.06)	0.00	0.00(0.00 - 0.05)	0.00	0.00(0.00 - 0.05)	0.00	0.00(0.00 - 0.05)	0.00	0.00(0.00 - 0.06)	0.00(0.00 - 0.06)	0.00(0.00 - 0.03)
Birthplace [250]												
Not in US but NOS (998)	0.42	0.05(0.00 - 3.34)	0.31	0.04(0.00 - 2.95)	0.39	0.04(0.00 - 2.66)	0.23	0.04(0.00 - 1.38)	0.28	0.03(0.00 - 0.78)	0.03(0.00 - 3.34)	0.06(0.00 - 3.33)
Unknown (999, Blank)	51.00	58.96(15.58 - 99.77)	54.47	59.18(13.65 - 99.71)	60.17	59.14(31.82 - 81.99)	64.82	61.70(29.81 - 83.51)	73.53	64.32(35.00 - 88.37)	60.74(13.65 - 99.77)	46.10(0.91 - 68.90)
Tumor Characteristics												
Sequence Number-Central [380]												
Two or more (01 - 35)	20.59	20.19(12.52 - 24.99)	20.94	20.12(12.14 - 24.13)	20.49	19.66(12.27 - 24.54)	20.02	19.33(10.96 - 22.96)	18.78	18.33(10.28 - 23.96)	19.56(10.28 - 24.99)	20.49(16.20 - 25.64)
Unspecified (99)	0.00	0.00(0.00 - 0.14)	0.00	0.00(0.00 - 0.14)	0.00	0.00(0.00 - 0.08)	0.00	0.00(0.00 - 0.28)	0.00	0.00(0.00 - 1.39)	0.00(0.00 - 1.39)	0.00(0.00 - 0.01)
Date of Diagnosis [390]												
Month (99, Blank)	0.00	0.18(0.00 - 2.72)	0.00	0.20(0.00 - 2.39)	0.00	0.19(0.00 - 1.94)	0.00	0.15(0.00 - 2.56)	0.00	0.17(0.00 - 1.81)	0.18(0.00 - 2.72)	0.00(0.00 - 0.00)
Topography [400]												
Other/III Defined Sites (C76.0 - C76.8)	0.05	0.08(0.03 - 0.22)	0.07	0.08(0.03 - 0.32)	0.05	0.08(0.00 - 0.41)	0.06	0.09(0.00 - 0.31)	0.06	0.09(0.02 - 0.18)	0.08(0.00 - 0.41)	0.07(0.00 - 1.51)
Unknown Primary Site (C80.9)	2.41	2.31(0.81 - 3.09)	2.22	2.18(1.10 - 3.16)	2.11	2.15(1.08 - 3.87)	2.21	2.10(0.97 - 3.10)	2.05	2.12(1.31 - 3.02)	2.17(0.81 - 3.87)	1.81(1.04 - 2.50)
Morphology [420]												
Non-specific Neoplasms (8000 - 8005)	3.43	3.50(1.34 - 12.94)	3.26	3.64(1.37 - 11.43)	3.26	3.56(1.29 - 7.53)	3.17	3.48(1.32 - 7.13)	3.16	3.28(1.44 - 7.42)	3.53(1.29 - 12.94)	2.33(1.38 - 4.59)
Diagnostic Confirmation [490] excludes DCO												
Not Microscopically Confirmed (5, 6, 7, 8)	4.95	3.53(0.00 - 6.52)	5.14	3.68(0.00 - 6.20)	5.02	3.52(0.00 - 6.27)	5.22	3.63(0.00 - 6.20)	5.23	3.62(0.00 - 5.91)	3.62(0.00 - 6.52)	3.64(2.03 - 6.73)
Unknown (9) and Blank	1.84	1.17(0.00 - 8.43)	1.74	1.19(0.00 - 7.63)	2.16	1.13(0.00 - 6.24)	1.21	1.07(0.01 - 5.80)	1.23	0.78(0.00 - 3.50)	1.04(0.00 - 8.43)	0.45(0.00 - 1.48)
Tumor Miscellaneous												
Grade [440] (9, blank) excludes DCO, C80.9	34.16	33.01(23.87 - 39.58)	34.89	33.41(25.63 - 40.03)	34.87	33.34(25.78 - 39.70)	34.98	33.56(25.30 - 38.55)	33.87	32.67(25.45 - 39.24)	33.23(23.87 - 40.03)	33.09(26.79 - 38.18)
Laterality [410] paired organs only												
Only 1 side and side NOS (3)	0.15	0.19(0.03 - 2.81)	0.13	0.13(0.02 - 2.32)	0.18	0.15(0.03 - 1.79)	0.26	0.13(0.03 - 2.06)	0.11	0.11(0.00 - 1.32)	0.14(0.00 - 2.81)	0.15(0.00 - 1.79)
Unknown (9, blank)	2.35	2.63(0.04 - 5.64)	2.57	2.71(0.06 - 5.82)	2.69	2.54(1.47 - 5.11)	2.01	2.46(0.94 - 4.70)	1.97	2.50(1.19 - 4.91)	2.56(0.04 - 5.82)	1.70(0.33 - 2.84)
Summary Stage**												
Summary Stage 2000 [759]												
Unstaged (9)	11.28	12.32(5.50 - 27.06)	10.72	11.44(6.08 - 22.50)	N/A	N/A	N/A	N/A	N/A	N/A	12.03(5.50 - 27.06)	7.15(4.22 - 10.90)
Blank	0.00	0.00(0.00 - 0.11)	0.00	0.00(0.00 - 0.13)	N/A	N/A	N/A	N/A	N/A	N/A	0.00(0.00 - 0.13)	0.00(0.00 - 0.00)
Derived Summary Stage 2000 [3020]												
Unknown/Unstaged (9)	N/A	N/A	N/A	N/A	7.06	5.52(2.89 - 24.39)	4.67	4.96(2.66 - 20.09)	3.78	4.73(2.40 - 13.15)	5.00(2.40 - 24.39)	2.81(1.04 - 5.77)
Blank	N/A	N/A	N/A	N/A	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.04)	0.00	0.00(0.00 - 0.01)	0.00(0.00 - 0.04)	0.00(0.00 - 0.00)
First Course Treatment												

National Program of Cancer Registries - Cancer Surveillance System

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Table 1: Core Cancer Surveillance Data

Data Quality Indicator* \ Diagnosis Year	2002		2003		2004		2005		2006		NPCR Median(Range)	SEER Median(Range)***
	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	2002-2006	2002-2006
RX Summ Surg Prim Site [1290]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.01)	0.00	0.00(0.00 - 0.03)	0.00	0.00(0.00 - 0.02)	0.00	0.00(0.00 - 0.00)	0.00(0.00 - 100.00)	0.00(0.00 - 0.00)
Surgery, NOS (90)	0.52	0.66(0.00 - 10.79)	0.69	0.65(0.00 - 42.68)	0.64	0.56(0.15 - 4.97)	0.49	0.50(0.09 - 3.19)	0.38	0.45(0.10 - 3.56)	0.53(0.00 - 42.68)	0.25(0.00 - 2.54)
Unknown (99)	10.12	2.21(0.00 - 17.46)	6.35	2.39(0.00 - 99.59)	5.87	2.22(0.00 - 16.31)	4.70	3.34(0.00 - 13.60)	4.01	3.74(0.00 - 13.22)	2.65(0.00 - 99.59)	1.11(0.27 - 3.65)
Blank and Unknown Combined	10.12	2.57(0.00 - 100.00)	6.35	2.39(0.00 - 99.59)	5.87	2.22(0.00 - 16.31)	4.70	3.34(0.00 - 13.62)	4.01	3.74(0.00 - 13.22)	2.83(0.00 - 100.00)	1.11(0.27 - 3.65)
RX Summ Scope Reg LN Sur [1292]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.01)	0.00	0.00(0.00 - 0.01)	0.00	0.00(0.00 - 0.02)	0.00	0.00(0.00 - 0.00)	0.00(0.00 - 100.00)	0.00(0.00 - 100.00)
Unknown (9)	18.99	19.77(0.00 - 46.05)	18.06	17.90(11.69 - 99.67)	18.26	16.26(11.75 - 26.61)	18.24	15.70(11.72 - 22.39)	16.24	16.11(11.28 - 23.19)	16.39(0.00 - 99.67)	13.21(0.00 - 21.29)
Blank and Unknown Combined	18.99	28.18(11.75 - 100.00)	18.06	17.90(11.69 - 99.67)	18.26	16.26(11.75 - 26.61)	18.24	15.70(11.72 - 22.39)	16.24	16.11(11.28 - 23.19)	16.88(11.28 - 100.00)	14.29(8.46 - 100.00)
RX Summ Surg Oth Reg/Dis [1294]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.01)	0.00	0.00(0.00 - 0.02)	0.00	0.00(0.00 - 0.21)	0.00	0.00(0.00 - 0.43)	0.00(0.00 - 100.00)	0.00(0.00 - 100.00)
Unknown (9)	11.30	4.83(0.00 - 78.77)	7.25	5.31(0.83 - 100.00)	6.53	3.73(0.47 - 75.99)	5.33	3.71(0.28 - 44.35)	4.49	3.82(0.43 - 41.51)	4.01(0.00 - 100.00)	1.15(0.00 - 8.88)
Blank and Unknown Combined	11.30	6.77(0.37 - 100.00)	7.25	5.31(0.83 - 100.00)	6.53	3.73(0.47 - 75.99)	5.33	3.71(0.28 - 44.35)	4.49	3.82(0.43 - 41.51)	4.34(0.28 - 100.00)	1.69(0.30 - 100.00)
Reason for No Surgery [1340]												
Blank	0.00	0.17(0.00 - 100.00)	0.00	0.17(0.00 - 100.00)	0.00	0.03(0.00 - 11.32)	0.00	0.13(0.00 - 12.09)	0.00	0.00(0.00 - 0.12)	0.01(0.00 - 100.00)	0.00(0.00 - 0.00)
Unknown (9)	10.04	6.39(0.00 - 19.35)	6.32	7.53(0.00 - 99.60)	5.83	5.84(1.35 - 15.22)	4.66	6.38(1.59 - 17.34)	3.98	7.20(1.22 - 22.07)	6.47(0.00 - 99.60)	1.27(0.28 - 4.26)
Blank and Unknown Combined	10.04	8.48(1.56 - 100.00)	6.32	9.57(0.86 - 100.00)	5.83	6.56(1.42 - 18.47)	4.66	6.93(1.76 - 18.91)	3.98	7.20(1.22 - 22.07)	7.43(0.86 - 100.00)	1.27(0.28 - 4.26)
RX Summ Radiation [1360]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00(0.00 - 100.00)	0.00(0.00 - 0.00)
Unknown (9)	16.19	1.54(0.00 - 16.19)	14.67	1.35(0.00 - 99.60)	13.54	1.24(0.00 - 15.12)	11.47	1.57(0.00 - 11.47)	10.70	2.40(0.00 - 10.85)	1.69(0.00 - 99.60)	1.16(0.26 - 3.66)
Blank and Unknown Combined	16.19	3.40(0.00 - 100.00)	14.67	3.32(0.00 - 100.00)	13.54	2.48(0.00 - 100.00)	11.47	2.78(0.00 - 100.00)	10.70	3.21(0.00 - 100.00)	3.16(0.00 - 100.00)	1.16(0.26 - 3.66)
RX Summ Surg/Rad Seq [1380]												
Blank	0.00	0.15(0.00 - 100.00)	0.00	0.02(0.00 - 100.00)	0.00	0.01(0.00 - 100.00)	0.00	0.02(0.00 - 100.00)	0.00	0.00(0.00 - 0.12)	0.00(0.00 - 100.00)	0.00(0.00 - 0.00)
Unknown (9)	0.00	0.95(0.00 - 9.90)	0.00	0.64(0.00 - 99.60)	0.00	0.34(0.00 - 14.48)	0.00	0.37(0.00 - 10.30)	0.00	0.53(0.00 - 10.75)	0.51(0.00 - 99.60)	0.02(0.00 - 1.18)
Blank and Unknown Combined	0.00	4.02(0.00 - 100.00)	0.00	3.11(0.00 - 100.00)	0.00	2.20(0.00 - 100.00)	0.00	1.82(0.00 - 100.00)	0.00	0.53(0.00 - 10.75)	1.98(0.00 - 100.00)	0.02(0.00 - 1.18)
RX Summ Chemo [1390]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.12)	0.00(0.00 - 100.00)	N/A
Unknown (99)	15.55	3.36(0.00 - 95.68)	14.43	7.03(0.00 - 99.60)	13.17	6.84(0.00 - 69.28)	10.93	6.08(0.00 - 69.51)	9.93	6.41(0.00 - 67.18)	6.11(0.00 - 99.60)	N/A
Blank and Unknown Combined	15.55	5.36(0.00 - 100.00)	14.43	8.40(0.00 - 100.00)	13.17	7.15(0.00 - 100.00)	10.93	6.46(0.00 - 100.00)	9.93	6.41(0.00 - 67.18)	6.91(0.00 - 100.00)	N/A
RX Summ Hormone [1400]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.12)	0.00(0.00 - 100.00)	N/A
Unknown (99)	13.91	2.62(0.00 - 43.93)	12.12	8.09(0.00 - 99.59)	11.01	7.68(0.00 - 90.68)	9.16	6.31(0.00 - 91.09)	8.49	6.17(0.00 - 100.00)	6.16(0.00 - 100.00)	N/A
Blank and Unknown Combined	13.91	4.98(0.00 - 100.00)	12.12	9.20(0.00 - 100.00)	11.01	8.16(0.00 - 100.00)	9.16	6.77(0.00 - 100.00)	8.49	6.17(0.00 - 100.00)	7.59(0.00 - 100.00)	N/A
RX Summ BRM [1410]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.12)	0.00(0.00 - 100.00)	N/A
Unknown (99)	11.88	1.57(0.00 - 43.96)	10.32	6.74(0.00 - 99.59)	9.52	7.09(0.00 - 98.05)	7.87	6.38(0.00 - 98.81)	6.78	6.06(0.00 - 100.00)	5.44(0.00 - 100.00)	N/A
Blank and Unknown Combined	11.88	2.79(0.00 - 100.00)	10.32	8.85(0.00 - 100.00)	9.52	7.55(0.00 - 100.00)	7.87	7.01(0.00 - 100.00)	6.78	6.06(0.00 - 100.00)	6.86(0.00 - 100.00)	N/A
RX Summ Other [1420]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.90)	0.00(0.00 - 100.00)	N/A
Unknown (9)	11.71	2.48(0.00 - 44.42)	10.06	7.01(0.00 - 99.59)	9.37	8.39(0.00 - 98.66)	7.81	7.69(0.00 - 99.26)	6.77	7.19(0.00 - 100.00)	6.72(0.00 - 100.00)	N/A
Blank and Unknown Combined	11.71	4.16(0.00 - 100.00)	10.06	8.86(0.00 - 100.00)	9.37	8.69(0.00 - 100.00)	7.81	8.41(0.00 - 100.00)	6.77	7.19(0.00 - 100.00)	8.14(0.00 - 100.00)	N/A
First Course Calc Method [1500]												
Blank	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.01)	0.00(0.00 - 100.00)	N/A
Unknown (9)	0.00	0.00(0.00 - 98.63)	0.00	0.00(0.00 - 88.70)	0.00	0.00(0.00 - 73.25)	0.00	0.00(0.00 - 70.35)	0.00	0.00(0.00 - 18.74)	0.00(0.00 - 98.63)	N/A

National Program of Cancer Registries - Cancer Surveillance System

DQI - Data Quality Indicator Report - 2009

Kentucky

Table 1: Core Cancer Surveillance Data

Data Quality Indicator* \ Diagnosis Year	2002		2003		2004		2005		2006		NPCR Median(Range)	SEER Median(Range)***
	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	2002-2006	2002-2006
Blank and Unknown Combined	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 18.74)	0.00(0.00 - 100.00)	N/A
Rad Regional RX Modality [1570]												
Blank	0.00	99.77(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.21)	0.00(0.00 - 100.00)	N/A
Other, NOS (98)	0.00	0.00(0.00 - 1.26)	0.23	0.22(0.00 - 1.30)	0.23	0.19(0.00 - 2.47)	0.13	0.16(0.00 - 1.33)	0.13	0.12(0.00 - 1.41)	0.12(0.00 - 2.47)	N/A
Unknown (99)	16.19	0.02(0.00 - 16.19)	14.71	1.83(0.00 - 99.62)	13.57	1.76(0.00 - 23.68)	11.49	2.49(0.00 - 11.49)	10.72	3.26(0.04 - 100.00)	1.96(0.00 - 100.00)	N/A
Blank and Unknown Combined	16.19	99.85(0.04 - 100.00)	14.71	3.47(0.04 - 100.00)	13.57	2.79(0.02 - 100.00)	11.49	2.89(0.04 - 100.00)	10.72	3.26(0.04 - 100.00)	4.12(0.02 - 100.00)	N/A
RX Summ Transplnt/Endocr [3250]												
Blank	0.00	1.17(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 0.20)	0.00(0.00 - 100.00)	N/A
Unknown (99)	6.55	2.49(0.00 - 70.22)	10.01	7.53(0.00 - 99.59)	9.34	7.48(0.00 - 99.34)	7.87	7.22(0.00 - 99.44)	6.72	6.50(0.79 - 100.00)	5.94(0.00 - 100.00)	N/A
Blank and Unknown Combined	6.55	4.68(0.04 - 100.00)	10.01	9.99(0.65 - 100.00)	9.34	9.02(0.93 - 100.00)	7.87	8.15(1.01 - 100.00)	6.72	6.50(0.79 - 100.00)	7.44(0.04 - 100.00)	N/A
Over-Ride Usage****												
Over-Ride Age/Site/Morph [1990]												
Overused	0.12	0.16(0.04 - 1.22)	0.11	0.17(0.03 - 1.02)	0.11	0.15(0.07 - 0.69)	0.11	0.16(0.05 - 0.44)	0.17	0.18(0.03 - 0.37)	0.16(0.03 - 1.22)	N/A
Over-Ride SeqNo/DxConf [2000]												
Overused	0.08	0.08(0.00 - 3.06)	0.04	0.11(0.00 - 2.81)	0.02	0.10(0.00 - 3.27)	0.07	0.09(0.00 - 5.67)	0.07	0.07(0.00 - 5.73)	0.09(0.00 - 5.73)	N/A
Over-Ride Site/Lat/SeqNo [2010]												
Overused	0.01	0.03(0.00 - 1.35)	0.03	0.02(0.00 - 0.92)	0.01	0.01(0.00 - 1.60)	0.02	0.01(0.00 - 1.63)	0.00	0.01(0.00 - 2.78)	0.01(0.00 - 2.78)	N/A
Over-Ride Site/Type [2030]												
Overused	0.24	0.17(0.00 - 2.29)	0.12	0.13(0.00 - 1.62)	0.10	0.11(0.00 - 1.07)	0.11	0.12(0.00 - 0.89)	0.07	0.12(0.00 - 0.87)	0.13(0.00 - 2.29)	N/A
Over-Ride Histology [2040]												
1 = Morphology--Type & Behavior (SEER MORPH)	0.00	0.04(0.00 - 0.96)	0.01	0.03(0.00 - 0.92)	0.00	0.05(0.00 - 0.78)	0.01	0.04(0.00 - 0.55)	0.00	0.04(0.00 - 0.48)	0.04(0.00 - 0.96)	N/A
2 = Diagnostic Confirmation, Behavior Code (SEER IF31)	0.01	0.00(0.00 - 0.05)	0.01	0.00(0.00 - 0.10)	0.00	0.00(0.00 - 0.05)	0.00	0.00(0.00 - 0.04)	0.00	0.00(0.00 - 0.05)	0.00(0.00 - 0.10)	N/A
3 = Both 1 and 2 Apply	0.00	0.00(0.00 - 0.24)	0.01	0.01(0.00 - 0.39)	0.00	0.03(0.00 - 0.24)	0.01	0.01(0.00 - 0.59)	0.00	0.00(0.00 - 0.29)	0.00(0.00 - 0.59)	N/A
Over-Ride Report Source [2050]												
Overused	0.00	0.00(0.00 - 0.72)	0.00	0.01(0.00 - 0.74)	0.01	0.00(0.00 - 1.03)	0.01	0.01(0.00 - 4.67)	0.01	0.00(0.00 - 3.02)	0.00(0.00 - 4.67)	N/A
Over-Ride Ill-defined Site [2060]												
Overused	0.02	0.05(0.00 - 2.72)	0.03	0.07(0.00 - 2.24)	0.00	0.10(0.00 - 4.03)	0.02	0.07(0.00 - 1.89)	0.01	0.05(0.00 - 0.56)	0.06(0.00 - 4.03)	N/A
Over-Ride Leuk, Lymphoma [2070]												
Overused	0.01	0.00(0.00 - 0.62)	0.00	0.00(0.00 - 0.51)	0.01	0.01(0.00 - 0.53)	0.02	0.00(0.00 - 0.29)	0.00	0.00(0.00 - 0.43)	0.00(0.00 - 0.62)	N/A
Over-Ride Site/Behavior [2071]												
Overused	0.00	0.00(0.00 - 0.63)	0.00	0.01(0.00 - 0.55)	0.00	0.01(0.00 - 0.54)	0.00	0.01(0.00 - 0.27)	0.00	0.00(0.00 - 0.14)	0.00(0.00 - 0.63)	N/A
Over-Ride Site/Lat/Morph [2074]												
Overused	0.00	0.00(0.00 - 0.70)	0.00	0.00(0.00 - 0.60)	0.00	0.00(0.00 - 0.64)	0.00	0.00(0.00 - 0.34)	0.00	0.00(0.00 - 0.20)	0.00(0.00 - 0.70)	N/A

N/A: not applicable for the diagnosis year.

* For quality review only, no NPCR standards at this time. DQI expressed as percent of all invasive cancers and in situ bladder cancers, except as noted.

** SEER Summary Stage 2000[759] to diagnosis years 2002-2003, and Derived Summary Stage 2000[3020] to diagnosis years 2004-2006.

*** Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence - SEER 13 Regs Public-Use, Nov 2008 Sub (1992-2006) - Linked To County Attributes - Total U.S., 1969-2006 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2009, based on the November 2008 submission. Some percentages are based on recoded values.

NAACCR data item numbers are noted with square brackets "[]" and codes with parentheses "()."

**** An override flag is deemed as overused if the record still passes the relevant edit after removing the override flag.

National Program of Cancer Registries - Cancer Surveillance System

DQI - Data Quality Indicator Report - 2009

Kentucky

Table 2: Advanced Cancer Surveillance Data

Data Quality Indicator* \ Diagnosis Year	2002		2003		2004		2005		2006		NPCR Median(Range)	SEER Median(Range)**
	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	KY	NPCR Median(Range)	2002-2006	2002-2006
Substate Geography												
Census Tract [130]												
Not Tracked (000000)	0.00	0.00(0.00 - 97.79)	0.00	0.00(0.00 - 99.97)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00(0.00 - 100.00)	N/A
Tracked, but Not Available (999999)	0.03	0.00(0.00 - 65.42)	0.02	0.00(0.00 - 65.53)	0.01	0.00(0.00 - 65.24)	0.00	0.00(0.00 - 65.33)	0.00	0.00(0.00 - 65.62)	0.00(0.00 - 65.62)	N/A
Blank	0.00	3.24(0.00 - 100.00)	0.00	1.28(0.00 - 100.00)	0.00	1.49(0.00 - 100.00)	0.00	2.27(0.00 - 100.00)	0.00	5.79(0.00 - 100.00)	1.56(0.00 - 100.00)	N/A
Invalid Codes	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.00)	0.00	0.00(0.00 - 0.02)	0.00	0.00(0.00 - 0.18)	0.00	0.00(0.00 - 0.03)	0.00(0.00 - 0.18)	N/A
Census Tr Cert [365]												
Blank	0.00	11.85(0.00 - 100.00)	0.00	4.42(0.00 - 100.00)	0.00	2.03(0.00 - 100.00)	0.00	2.99(0.00 - 100.00)	0.00	9.95(0.00 - 100.00)	4.36(0.00 - 100.00)	N/A
Unknown (9)	0.03	0.00(0.00 - 65.42)	0.02	0.02(0.00 - 65.53)	0.01	0.00(0.00 - 65.24)	0.00	0.01(0.00 - 65.33)	0.00	0.02(0.00 - 65.62)	0.01(0.00 - 65.62)	N/A
Follow-Up, Vital Status and Cause of Death												
Date of Last Contact [1750] decedents only												
Year (invalid)	0.00	0.00(0.00 - 0.16)	0.00	0.00(0.00 - 0.06)	0.00	0.00(0.00 - 0.04)	0.00	0.00(0.00 - 0.13)	0.00	0.00(0.00 - 0.29)	0.00(0.00 - 0.29)	N/A
Year (unknown or missing year)	0.00	0.00(0.00 - 95.19)	0.00	0.00(0.00 - 94.85)	0.00	0.00(0.00 - 93.88)	0.00	0.00(0.00 - 93.69)	0.00	0.00(0.00 - 90.39)	0.00(0.00 - 95.19)	N/A
Vital Status [1760] (blank)												
Blank	0.00	0.00(0.00 - 0.19)	0.00	0.00(0.00 - 0.12)	0.00	0.00(0.00 - 0.06)	0.00	0.00(0.00 - 0.02)	0.00	0.00(0.00 - 0.03)	0.00(0.00 - 0.19)	N/A
Follow-Up Source [1790]												
Blank	0.00	4.44(0.00 - 100.00)	0.00	11.13(0.00 - 100.00)	0.00	12.84(0.00 - 100.00)	0.00	12.93(0.00 - 100.00)	0.00	11.03(0.00 - 100.00)	11.36(0.00 - 100.00)	N/A
Unknown (9)	39.79	11.30(0.00 - 100.00)	5.71	1.27(0.00 - 100.00)	1.34	0.80(0.00 - 100.00)	1.01	0.86(0.00 - 100.00)	0.42	0.45(0.00 - 100.00)	1.18(0.00 - 100.00)	N/A
Follow-Up Source Central [1791]												
Blank	100.00	94.82(0.00 - 100.00)	100.00	94.20(0.00 - 100.00)	100.00	86.87(0.00 - 100.00)	100.00	72.92(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	60.24(0.00 - 100.00)	N/A
Unknown (99)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.00	0.00(0.00 - 100.00)	0.22	0.02(0.00 - 75.62)	0.00(0.00 - 100.00)	N/A
Cause of Death [1910]												
Blank	0.00	0.00(0.00 - 1.50)	0.00	0.00(0.00 - 0.14)	0.00	0.00(0.00 - 0.20)	0.00	0.00(0.00 - 0.42)	0.00	0.00(0.00 - 1.10)	0.00(0.00 - 1.50)	N/A
Death Cert. Avail., But No COD (7797)	0.00	0.73(0.00 - 100.00)	0.00	0.65(0.00 - 100.00)	0.00	0.80(0.00 - 100.00)	0.00	1.30(0.00 - 100.00)	0.00	3.24(0.00 - 100.00)	1.03(0.00 - 100.00)	N/A
Death Certificate Not Available (7777)	3.62	4.41(0.00 - 93.73)	4.45	4.12(0.00 - 84.12)	5.82	4.99(0.00 - 84.15)	7.49	5.87(0.00 - 78.83)	12.23	14.28(0.00 - 71.31)	5.37(0.00 - 93.73)	N/A

N/A: not applicable for the diagnosis year.

* For quality review only, no NPCR standards at this time. DQI expressed as percent of all invasive cancers and in situ bladder cancers, except as noted.

** Surveillance, Epidemiology, and End Results (SEER) Program (www.seer.cancer.gov) SEER*Stat Database: Incidence - SEER 13 Regs Public-Use, Nov 2008 Sub (1992-2006) - Linked To County Attributes - Total U.S., 1969-2006 Counties, National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2009, based on the November 2008 submission. Some percentages are based on recoded values. NAACCR data item numbers are noted with square brackets "]" and codes with parentheses "()."