Breast Cancer Core Data Set

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Indiana Cancer Consortium

October 2006

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Introduction

The Indiana Cancer Consortium (ICC) is proud to present this data set detailing breast cancer incidence, mortality, histology groups, and screening rates for Indiana residents. The core datasets are the product of the ICC Data Committee for the use of corresponding ICC Coordinating Committees and Member Organizations. The committee is working toward achieving the goal in the *Indiana Cancer Control Plan 2005-2008* to "Increase the quantity, quality and availability of complete and timely cancer and related data."

Comprehensive, timely, and accurate cancer-related data are essential for evaluating progress toward cancer prevention and control. Staging data and incidence, mortality, and survival rates help identify populations at greater risk for developing or dying of cancer, monitor epidemiological trends, and provide information for evaluating progress toward goals. Data make it possible for the ICC and its committees to review the current cancer burden in the state, set priorities, and assist with cancer control planning. In addition to gathering cancer data for short, intermediate, and long term evaluation of the goals and objectives of the cancer plan, specific efforts are focused on improving access to and increased usability of cancer and related data in Indiana.

Sources of data used to compile the datasets include the Indiana State Cancer Registry, the Indiana State Department of Health Epidemiology Resource Center, the Indiana Behavioral Risk Factor Surveillance System (BRFSS), and the National Cancer Institute Surveillance Epidemiology and End Results (SEER) System.   A complete source of references is included following the data tables along with a listing of data limitations and an interpretation of the confidence intervals. Please note that while confidence intervals are listed only in certain tables, these are available for all tables upon request to admin@indianacancer.org.

Datasets for other cancers will be developed and published by the committee in the upcoming year.

Data Limitations

The findings from the BRFSS are subject to at least four limitations. First, responses are self reported and have not been confirmed by medical record review. Second, BRFSS is a telephone survey and does not cover persons without land-line telephones, persons in the military, or those residing in institutions. Telephone coverage in Indiana for 2002 is estimated as 94.67% and varies across counties, as well as for subgroups. For example, minorities and those in lower socioeconomic groups typically have lower telephone coverage; in addition, many younger adults rely exclusively on cell phones. Third, comparisons of the data presented by race/ethnicity or other important variables are unadjusted for age. The age distribution of a population (i.e., the number of people in particular age categories) can change over time, and can be different in different geographic areas and for different subgroups.

While the Indiana BRFSS data are not age-adjusted, the survey responses are weighted. The number of different telephone numbers that reach each household, the number of adults in each household, and the number of completed interviews in each cluster are considered in the weighting process. After adjusting the raw data to these three factors, the data are adjusted further using the Indiana age-race-sex group distribution so that the weighted sample data produce demographic distributions that correspond closely to the state population. Finally, while the Council of American Survey Research Organizations (CASRO) response rates for the BRFSS have decreased in recent years, the rates are considered satisfactory by CDC to yield valid data (Indiana's CASRO rate was 49.5% in 2004).

Mortality data are also subject to several limitations. First, death rates for Hispanic, AIAN (American Indian, Alaskan Native), and API (Asian/Pacific Islander) persons should be interpreted with caution because of inconsistencies in reporting Hispanic origin or race on the death certificate as compared with race or Hispanic origin on censuses, surveys, and birth certificates. Studies have shown underreporting on death certificates of AIAN, API, and Hispanic decedents; and under-counts of these groups in the censuses. A number of studies have been conducted on the reliability of race reported on the death certificate by comparing race on the death certificate with that reported on another data collection instrument, such as the census or a survey. Differences may arise because of differences in who provides race information on the compared records. Race information on the death certificate is reported by the funeral director as provided by an informant or in the absence of an informant, on the basis of observation. Second, cause of death statistics are affected by the accuracy of the certifier, who may not be familiar with the patient's medical history; by whether standard terminology is used by the certifier; by the legibility of the certifier's handwriting; and by the accuracy of the coder assigning cause of death codes.

Similarly, there are limitations to Cancer Incidence data. Although state registries across the country use standardized data items and codes for race and ethnicity (i.e., Hispanic origin), the initial collection of this information by health care facilities and practitioners and the procedures for assigning and verifying codes for race and ethnicity are not well standardized. Thus, some inconsistency is expected in this information. The abstraction and coding of cancer data is dependent on the medical record which may be incomplete, disorganized, or in some cases inaccurate. The completeness of cancer data is dependent upon the ascertainment of cases and timely reporting by individual facilities and practitioners. Overall the completeness and accuracy of the data of the Indiana State Cancer Registry is high, meeting standards for certification by the North American Association of Central Cancer Registries; however, completeness may be lower for some subgroups of the population. Comparisons among different subgroups of the population for Stage at Diagnosis may be complicated by differing percentages of Unstaged cases. The percent of cases unstaged varies not only by primary site, but also by race/ethnicity and age, and may also vary by primary payer and geography.

The accuracy of rates are dependent not only on the numerator (the number of cases diagnosed, the number of deaths, or the number of people answering "yes" to a question), but also on the denominator (the number of individuals in the population of interest). Numerator errors may be due to underreporting or to misclassification of items, such as age, race/ethnicity, cancer type, or cause of death. Denominator errors arise through under- and overenumeration in the decennial census, which is the basis of intercensal population estimates and population projections. To the extent that any over- or undercount is substantial and variable among subgroups or geographic areas, it may have important consequences on calculated death rate statistics. The effect of an *undercount* of population is that it decreases the denominator, leading to an *overestimate* of the rate. Conversely, an *overcount* of population would result in an *underestimate* of the rate.

Interpretation of Confidence Intervals

The confidence interval is a range of plausible values for a population parameter (measure) that has been estimated from a given set of data. In the case of cancer data, the parameters of interest are often rates. We have provided 95% confidence intervals for many of the rates in the core data set. The end points of the confidence interval are designated the lower confidence limit (LCL) and the upper confidence limit (UCL). The confidence interval reflects the amount of variability in the estimation of the cancer rate - the more variable the data, the wider the confidence interval. Similarly, the size of the population will affect the width of the confidence interval. For a particular parameter, a very small population will generally have a wider confidence interval than will a large population. The level of confidence chosen also affects the width of the interval, with a higher level of confidence that the true value of the parameter is included within the interval corresponding to a wider interval. Confidence intervals can be calculated at many different confidence levels. Some frequently chosen confidence levels are 90%, 95%, and 99%.

The confidence level is not the same as a significance level used to test for statistical significance. However, the confidence interval can be used as a rough guide to whether the true value of a parameter for one population (e.g., all men) is likely to be different from the true value of that parameter for another population (e.g., all women). If the two intervals do not overlap, then it is likely that the difference between the estimates of the parameters corresponds to an actual difference between the true values of the parameter in the two populations. If the LCL of one confidence interval overlaps the UCL of the other interval, there is unlikely to be a difference between the true values of the parameter for those populations. When the difference between the estimates of a parameter for two populations is large, a test of hypothesis could be used as a more sensitive method than the confidence interval of detecting a true difference between the two populations.

INCIDENCE RATES (95% Confidence Interval)

Table 1

| | 1998-2002 | | | | | | 2002 | | | | | | 2001 | | | | | |
| | US | | | IN | | | US | | | IN | | | US | | | IN | | |
	#	Rate	CI	#	Rate	CI	#	Rate	CI	#	Rate	CI	#	Rate	CI	#	Rate	CI
Total Population	131,142	137.1	136.3-138.0	21,134	128.6	126.8-130.3	N/A	132.9	N/A	4,187	124.8	N/A	N/A	136.6	N/A	4,290	130.5	128.7
Total White	108,228	143.0	N/A	19,580	129.0	127.2-130.9	N/A	138.2	N/A	3,847	124.5	N/A	N/A	142.9	N/A	3,964	130.7	128.5
Total African-American	11,143	118.7	N/A	1,346	119.8	127.2-130.9	N/A	120.0	N/A	297	127.9	N/A	N/A	112.0	N/A	274	121.9	143.5

Source: Indiana Cancer Incidence and Mortality Annual Report 2002 & 2003; Surveillance Epidemiology & End Results (SEER) 2004.

Notes: *See attached reference page for complete reference.*

MORTALITY RATES (95% Confidence Interval)

Table 2

| | 1998-2002 | | | | | | 2002 | | | | | | 2001 | | | | | |
| | US | | | IN | | | US | | | IN | | | US | | | IN | | |
	#	Rate	CI	#	Rate	CI	#	Rate	CI	#	Rate	CI	#	Rate	CI	#	Rate	CI
Total Population	207,660	26.4	26.3-26.6	4,594	26.9	26.1-27.7	N/A	25.5	N/A	894	25.4	23.8-27.1	N/A	26.0	N/A	919	27.1	25.4-29.0
Total White	176,758	25.9	N/A	4,162	26.2	25.4-27.0	N/A	24.9	N/A	809	24.8	23.1-26.6	N/A	25.4	N/A	830	26.4	24.6-28.2
Total African-American	27,078	34.7	N/A	410	37.2	33.6-41.0	N/A	34.1	N/A	79	34.5	27.3-43.1	N/A	34.5	N/A	85	38.6	30.8-47.9

Source: Indiana Cancer Incidence and Mortality Annual Report 2002 & 2003; Surveillance Epidemiology & End Results (SEER) 2004.

Notes: *See attached reference page for complete reference.*

STAGE AT DIAGNOSIS

Table 3

| | 1995-2001 | | | | | 1997-2001 | | | | | 1998-2002 | | | | |
| | US | | | | | IN | | | | | IN | | | | |
	T	L	R	D	Unk	T	L	R	D	Unk	T	L	R	D	Unk
Total White	91,127	N/A	N/A	N/A	N/A	19,358	12,282	5,575	919	582	19,580	12,389	5,654	903	634
Percent	100%	64%	29%	5%	2%	100%	63%	29%	5%	3%	100%	63%	29%	5%	3%
Total African American	9,103	N/A	N/A	N/A	N/A	1,267	691	443	83	50	1,346	723	479	89	55
Percent	100%	53%	35%	9%	3%	100%	55%	35%	7%	4%	100%	54%	36%	7%	4%
Total Population	107,748	N/A	N/A	N/A	N/A	20,806	13,084	6,067	1,010	645	21,134	13,233	6,189	1,002	710
Percent	100%	63%	29%	6%	2%	100%	63%	29%	5%	3%	100%	63%	29%	5%	3%

Source: Indiana Cancer Incidence and Mortality Annual Report 2002 & 2003.

Note: *Percentages may not add to 100% due to rounding.*
Surveillance Epidemiology & End Results (SEER) 2004.

T=Total   L=Local   R=Regional   D=Distant   Unk=Unknown

SCREENING DATA (Indiana Data)

Table 4   **Have you ever had a mammogram?**

	2004					2002					2000				
	Yes	95% CI	No	95% CI	Total N	Yes	95% CI	No	95% CI	Total N	Yes	95% CI	No	95% CI	Total N
Age Group															
18-39	27.0	24.2-30.0	73.0	70.1-75.8	1,252	24.2	21.5-26.9	75.8	73.1-78.5	1,163	19.4	16.0-22.8	80.6	77.2-84.0	639
40-49	78.9	75.5-82.3	21.0	17.7-24.5	740	84.2	81.2-87.2	15.8	12.8-18.8	707	85.2	80.9-89.5	14.8	10.5-19.1	334
50-64	92.3	90.4-94.2	7.7	5.8-9.6	1,017	93.0	91.1-94.8	7.0	5.2-8.9	850	88.9	84.7-93.2	11.1	6.8-15.3	336
65-69	91.6	87.7-95.5	8.4	4.5-12.3	269	92.5	88.2-96.7	7.5	3.3-11.8	173	87.8	81.0-94.6	12.2	5.4-19.0	102
70+	89.5	86.5-92.4	10.5	7.6-13.5	631	89.3	86.5-92.2	10.7	7.8-13.5	536	84.5	80.3-88.7	15.5	11.3-19.7	280
Race/Ethnicity															
White, Non-Hispanic	65.0	63.1-66.9	35.0	33.1-36.9	3,421	64.4	62.4-66.3	35.6	33.7-37.6	3,035	60.4	57.6-63.3	39.6	36.7-42.4	1,535
Black, Non-Hispanic	62.7	55.3-70.2	37.3	29.8-44.7	237	63.2	54.4-72.1	36.8	27.9-45.6	187	65.4	56.1-74.7	34.6	25.3-43.9	114
Other/Multiracial	59.7	48.9-70.5	40.3	29.5-51.1	104	53.6	42.2-65.1	46.4	34.9-57.8	104	*	*	*	*	21
Hispanic	41.9	32.9-50.8	58.1	49.2-67.1	145	46.7	35.3-58.0	53.3	42.0-64.7	103	*	*	*	*	36
Total Female	**63.7**	**61.9-65.4**	**36.3**	**34.6-38.1**	**3,948**	**63.3**	**61.4-65.2**	**36.7**	**34.8-38.6**	**3,470**	**59.7**	**57.0-62.4**	**40.3**	**37.6-43.0**	**1,712**

Source: Indiana Behavioral Risk Factor Surveillance System (BRFSS) 2000, 2002, 2004.

Notes: *See attached reference page for complete reference; percents are based on weighted data; unless otherwise specified, totals are unweighted numbers.*

     ***Asterisks indicates less than 50 total respondents; denominiator is females who have had a mammogram.*

SCREENING DATA (Indiana Data)

Table 5a   **How long has it been since your last mammogram?**

	2004										
	% Within the past year	95% CI	% 1 year to <2 years ago	95% CI	% 2 years to <3 years ago	95% CI	% 3 years to <5 years ago	95% CI	% 5 or more years ago	95% CI	Total N
Age Group											
18-39	45.9	39.6-52.2	19.9	15.1-24.7	9.7	6.5-12.9	12.8	8.6-17.1	11.7	8.1-15.3	333
40-49	56.5	52.1-60.9	19.5	15.8-23.1	10.4	7.7-13.1	5.9	4.0-7.9	7.7	5.4-10.1	596
50-64	64.4	61.1-67.7	18.6	15.9-21.3	5.8	4.3-7.4	4.5	3.0-6.0	6.6	4.8-8.5	941
65-69	68.9	62.5-75.2	16.1	10.8-21.4	5.6	2.4-8.8	3.1	0.9-5.3	6.4	3.1-9.6	241
70+	56.4	51.8-61.0	19.6	15.9-23.3	7.9	5.2-10.6	5.8	3.7-8.0	10.3	7.6-13.1	556
Race/Ethnicity											
White, Non-Hispanic	57.5	55.3-59.7	19.2	17.4-21.0	8.1	6.9-9.3	6.4	5.3-7.6	8.8	7.6-10.1	2,388
Black, Non-Hispanic	60.1	50.3-69.9	19.6	11.4-27.8	6.5	2.5-10.5	7.3	1.8-12.7	6.5	2.1-11.0	151
Other/Multiracial	61.5	48.6-74.4	20.5	10.4-30.7	7.1	0.9-13.3	5.9	0.6-11.2	4.9	0.0-10.8	65
Hispanic	68.9	56.5-81.2	17.7	7.8-27.5	7.7	0.8-14.6	2.4	0.0-7.1	3.4	0.0-8.0	66
Total Female	**58.2**	**56.1-60.3**	**19.1**	**17.4-20.7**	**8.0**	**6.8-9.1**	**6.4**	**5.3-7.4**	**8.4**	**7.3-9.6**	**2,699**

Source: Indiana Behavioral Risk Factor Surveillance System (BRFSS) 2000, 2002, 2004.

Notes: *See attached reference page for complete reference; percents are based on weighted data; unless otherwise specified, totals are unweighted numbers.*

     ***Asterisks indicates less than 50 total respondents; denominator is females who have had a mammogram.*

SCREENING DATA (Indiana Data)

Table 5b How long has it been since your last mammogram?

2002

	% Within the past year	95% CI	% 1 year to <2 years ago	95% CI	% 2 years to <3 years ago	95% CI	% 3 years to <5 years ago	95% CI	% 5 or more years ago	95% CI	Total N
Age Group											
18-39	48.8	42.4-55.2	23.2	17.7-28.7	8.8	5.3-12.4	7.3	4.4-10.2	11.8	8.1-15.6	305
40-49	60.3	55.9-64.8	19.3	15.6-23.1	9.1	6.5-11.7	5.0	3.1-7.0	6.2	4.2-8.2	594
50-64	68.8	65.0-72.5	17.0	13.8-20.1	5.1	3.3-6.9	4.4	2.7-6.0	4.8	3.2-6.4	789
65-69	65.4	56.9-74.0	17.9	10.9-24.9	6.0	1.6-10.4	4.1	1.2-7.0	6.5	2.2-10.9	160
70+	60.3	55.3-65.3	19.6	15.3-23.8	4.8	2.6-7.0	5.7	3.5-7.9	9.6	6.7-12.5	468
Race/Ethnicity											
White, Non-Hispanic	62.4	60.1-64.8	18.2	16.2-20.2	6.6	5.4-7.9	5.6	4.6-6.7	7.1	5.9-8.3	2,062
Black, Non-Hispanic	54.8	44.4-65.1	30.9	20.9-40.8	5.8	2.0-9.6	2.1	0.0-4.7	6.5	1.6-11.3	128
Other/Multiracial	48.6	35.0-62.1	20.3	8.4-32.1	15.2	4.2-26.2	4.7	0.0-9.2	11.3	3.1-19.5	67
Hispanic	70.0	56.9-82.9	14.7	4.3-25.0	4.7	0.0-10.4	1.7	0.0-4.3	9.0	1.8-16.2	60
Total Female	**61.8**	**59.5-64.0**	**19.0**	**17.1-20.9**	**6.7**	**5.6-7.9**	**5.2**	**4.2-6.2**	**7.3**	**6.1-8.4**	**2,347**

Source: Indiana Behavioral Risk Factor Surveillance System (BRFSS) 2000, 2002, 2004.

Notes: *See attached reference page for complete reference; percents are based on weighted data; unless otherwise specified, totals are unweighted numbers.*
***Asterisks indicates less than 50 total respondents; denominator is females who have had a mammogram.

SCREENING DATA (Indiana Data)

Table 5c How long has it been since your last mammogram?

2000

	% Within the past year	95% CI	% 1 year to <2 years ago	95% CI	% 2 years to <3 years ago	95% CI	% 3 years to <5 years ago	95% CI	% 5 or more years ago	95% CI	Total N
Age Group											
18-39	54.2	44.7-63.6	22.3	14.4-30.1	3.5	0.6-6.5	9.3	4.3-14.1	10.7	5.4-16.1	131
40-49	71.3	65.1-77.2	15.5	10.8-20.2	6.6	3.4-9.7	2.5	0.6-4.4	4.1	1.4-6.6	278
50-64	74.4	69.0-79.6	11.4	7.5-15.4	6.4	3.5-9.3	1.9	0.4-3.3	5.9	3.3-8.6	296
65-69	73.0	63.4-82.6	10.9	4.1-17.6	3.6	0.0-7.3	3.6	0.0-7.8	8.8	2.7-15.0	90
70+	66.0	59.3-72.7	13.2	8.5-17.8	4.2	1.7-6.7	6.9	3.0-10.8	9.7	5.7-13.7	223
Race/Ethnicity											
White, Non-Hispanic	67.8	64.6-71.1	15.2	12.7-17.7	5.7	4.1-7.2	4.6	3.2-6.0	6.7	5.0-8.3	935
Black, Non-Hispanic	79.8	69.6-90.0	6.8	0.0-13.6	3.6	0.0-7.2	0.0	0.0-0.0	9.8	2.3-17.2	67
Other/Multiracial	*	*	*	*	*	*	*	*	*	*	10
Hispanic	*	*	*	*	*	*	*	*	*	*	13
Total Female	**69.1**	**66.0-72.2**	**14.3**	**11.9-16.6**	**5.5**	**4.0-6.9**	**4.2**	**2.9-5.4**	**7.0**	**5.4-8.6**	**1,029**

Source: Indiana Behavioral Risk Factor Surveillance System (BRFSS) 2000, 2002, 2004.

Notes: *See attached reference page for complete reference; percents are based on weighted data; unless otherwise specified, totals are unweighted numbers.*
***Asterisks indicates less than 50 total respondents; denominator is females who have had a mammogram.

Table 6

A clinical breast exam is when a doctor, nurse or other health professional feels the breasts for lumps. Hve you ever had a clinical breast exam?

	2004				2002				2000			
	Yes	No	95% CI	Total N	Yes	No	95% CI	Total N	Yes	No	95% CI	Total N
Age Group												
18-39	88.4	11.6	86.1-90.7 / 9.3-13.9	1,249	87.4	12.6	84.8-90.0 / 10.0-15.2	1,158	88.5	11.4	85.2-91.8 / 8.15-14.8	638
40-49	94.1	5.9	92.0-96.2 / 3.8-8.0	739	94.7	5.3	92.5-96.8 / 3.2-7.5	707	95.3	4.7	92.9-97.7 / 2.3-7.1	334
50-64	93.0	7.0	91.3-94.7 / 5.3-8.7	1,017	94.6	5.4	92.9-96.2 / 3.8-7.1	846	88.8	11.1	84.4-93.3 / 6.7-15.6	336
65-69	90.2	9.8	86.4-94.0 / 6.0-13.6	267	85.9	14.1	79.8-92.0 / 8.0-20.2	173	91.6	8.4	85.6-97.6 / 2.4-14.4	102
70+	82.8	17.2	79.2-86.5 / 13.5-20.8	620	85.9	14.1	82.7-89.1 / 10.9-17.3	527	78.9	21.1	73.6-84.1 / 15.9-26.4	276
Race/Ethnicity												
White, Non-Hispanic	91.2	8.8	90.0-92.5 / 7.5-9.9	3,406	91.5	8.5	90.3-92.8 / 7.2-9.7	3,022	89.4	10.6	87.5-91.4 / 8.6-12.5	1,530
Black, Non-Hispanic	86.9	13.1	81.4-92.4 / 7.6-18.6	235	85.4	14.6	78.1-92.7 / 7.3-21.9	186	84.6	15.4	77.2-92.1 / 7.8-22.8	114
Other/Multiracial	87.0	13.0	79.9-94.2 / 5.8-20.1	103	84.1	15.9	76.4-91.7 / 8.3-23.6	102	*	*	*	21
Hispanic	73.2	26.8	65.1-81.2 / 18.8-34.9	145	72.9	27.1	61.8-84.0 / 16.0-38.2	101	*	*	*	36
Total Female	89.7	10.3	88.6-90.9 / 9.1-11.4	3,930	90.0	10.0	88.8-91.3 / 8.7-11.2	3,452	88.8	11.2	86.9-90.6 / 9.4-13.1	1,707

Source: Indiana Behavioral Risk Factor Surveillance System (BRFSS) 2000, 2002, 2004.

Notes: See attached reference page for complete reference; percents are based on weighted data; unless otherwise specified, totals are unweighted numbers.

*** Asterisks indicates less than 50 total respondents; denominator is females who have had a clinical breast exam.*

Table 7a

How long has it been since your last breast exam?

	2004										
	% Within the past year	95% CI	% 1 year to <2 years ago	95% CI	% 2 years to <3 years ago	95% CI	% 3 years to <5 years ago	95% CI	% 5 or more years ago	95% CI	Total N
Age Group											
18-39	70.2	67.2-73.2	17.0	14.5-19.5	5.6	4.1-7.0	3.5	2.3-4.7	3.7	2.5-4.9	1,127
40-49	65.0	61.1-68.9	16.8	13.7-19.8	7.1	5.0-9.3	4.6	2.9-6.2	6.6	4.5-8.6	696
50-64	68.6	65.4-71.8	17.3	14.7-19.9	4.7	3.2-6.2	2.8	1.7-3.8	6.6	4.8-8.4	938
65-69	65.7	59.1-72.3	14.9	9.7-20.1	6.3	3.0-9.7	3.6	1.2-6.0	9.5	5.5-13.4	233
70+	57.8	53.0-62.6	16.6	13.1-20.1	6.4	4.2-8.6	7.8	5.0-10.6	11.4	8.3-14.4	501
Race/Ethnicity											
White, Non-Hispanic	66.4	64.6-68.3	17.3	15.8-18.9	5.8	4.9-6.7	4.2	3.4-5.0	6.2	5.3-7.1	3,097
Black, Non-Hispanic	72.0	64.8-79.2	12.7	7.8-17.6	6.7	2.8-10.6	3.1	0.5-5.8	5.5	1.4-9.5	208
Other/Multiracial	65.4	54.3-76.5	16.2	8.4-23.9	4.2	0.8-8.3	3.5	0.6-6.5	10.7	1.9-19.4	89
Hispanic	72.0	62.8-81.1	13.8	7.3-20.3	6.2	1.5-10.8	3.8	0.0-8.4	4.3	0.0-8.5	106
Total Female	67.0	65.2-68.7	16.9	15.5-18.3	5.8	5.0-6.7	4.1	3.4-4.8	6.2	5.3-7.1	3,526

Source: Indiana Behavioral Risk Factor Surveillance System (BRFSS) 2000, 2002, 2004.

Notes: See attached reference page for complete reference; percents are based on weighted data; unless otherwise specified, totals are unweighted numbers.

*** Asterisks indicates less than 50 total respondents; denominator is females who have had a breast exam.*

SCREENING DATA (Indiana Data)

Table 7b How long has it been since your last breast exam?

	% Within the past year	95% CI	% 1 year to <2 years ago	95% CI	% 2 years to <3 years ago	95% CI	% 3 years to <5 years ago	95% CI	% 5 or more years ago	95% CI	Total N
Age Group											
18-39	75.3	72.3-78.2	15.9	13.5-18.4	4.3	2.7-5.8	2.2	1.3-3.1	2.3	0.4-3.1	1,049
40-49	70.9	67.0-74.7	15.6	12.5-18.7	5.1	3.1-7.0	3.3	1.9-4.6	5.2	3.5-6.9	675
50-64	71.8	68.1-75.4	15.3	12.3-18.3	3.6	2.1-5.0	3.7	2.1-5.3	5.7	3.9-7.4	784
65-69	65.0	56.3-73.8	16.9	10.3-23.5	4.7	0.5-8.9	4.6	0.8-8.3	8.8	3.8-13.8	148
70+	58.0	52.9-63.2	18.6	14.3-22.9	4.7	2.5-6.8	6.4	3.8-9.0	12.3	8.9-15.7	431
Race/Ethnicity											
White, Non-Hispanic	70.8	68.9-72.7	16.2	14.6-17.7	4.1	3.2-4.9	3.7	3.0-4.5	5.2	4.4-6.1	2,759
Black, Non-Hispanic	73.7	66.1-81.3	17.1	10.5-23.7	4.0	0.9-7.1	1.5	0.0-0.4	3.7	1.1-6.4	162
Other/Multiracial	70.7	59.6-81.9	10.8	3.9-17.7	8.3	0.4-16.2	3.1	0.0-6.7	7.1	1.9-12.3	87
Hispanic	70.3	57.9-82.7	14.7	5.5-23.9	9.7	0.0-19.6	0.4	0.0-1.2	4.9	0.3-9.5	81
Total Female	**70.9**	**69.1-72.7**	**16.1**	**14.6-17.6**	**4.4**	**3.5-5.2**	**3.4**	**2.7-4.0**	**5.3**	**4.4-6.1**	**3,121**

(column group heading: 2002)

Source: Indiana Behavioral Risk Factor Surveillance System (BRFSS) 2000, 2002, 2004.

Notes: *See attached reference page for complete reference; percents are based on weighted data; unless otherwise specified, totals are unweighted numbers.*

***Asterisks indicates less than 50 total respondents; denominator is females who have had a breast exam.

SCREENING DATA (Indiana Data)

Table 7c How long has it been since your last breast exam?

	% Within the past year	95% CI	% 1 year to <2 years ago	95% CI	% 2 years to <3 years ago	95% CI	% 3 years to <5 years ago	95% CI	% 5 or more years ago	95% CI	Total N
Age Group											
18-39	75.7	71.7-79.7	13.1	10.2-16.1	6.3	3.8-8.8	1.8	0.5-3.1	3.1	1.4-4.8	581
40-49	76.3	70.8-81.7	11.7	7.6-15.7	5.7	2.2-9.2	1.5	0.1-2.9	4.9	22.5-7.2	316
50-64	75.0	69.9-80.1	11.9	7.9-15.8	4.4	2.1-6.8	2.6	0.8-4.5	6.0	3.6-8.5	301
65-69	69.6	59.9-79.4	11.9	5.0-18.9	4.9	4.5-9.4	2.9	0.0-6.2	10.7	4.3-17.1	94
70+	69.4	62.8-76.0	11.4	6.9-15.9	3.6	1.0-6.3	4.3	1.7-6.9	11.2	6.7-15.8	211
Race/Ethnicity											
White, Non-Hispanic	74.1	71.5-76.7	12.6	10.7-14.5	5.3	3.8-6.8	2.3	1.5-3.1	5.7	4.4-7.0	1,371
Black, Non-Hispanic	80.1	70.8-89.6	7.3	0.8-14.0	5.7	0.2-11.1	2.4	0.0-6.0	4.4	0.1-8.9	97
Other/Multiracial	*		*		*		*		*		31
Hispanic	*		*		*		*		*		16
Total Female	**74.7**	**72.3-77.1**	**12.2**	**10.4-14.0**	**5.4**	**4.0-6.8**	**2.3**	**1.5-3.0**	**5.4**	**4.3-6.7**	**1,518**

(column group heading: 2000)

Source: Indiana Behavioral Risk Factor Surveillance System (BRFSS) 2000, 2002, 2004.

Notes: *See attached reference page for complete reference; percents are based on weighted data; unless otherwise specified, totals are unweighted numbers.*

***Asterisks indicates less than 50 total respondents; denominator is females who have had a breast exam.

Breast Cancer Core Data Set References

Tables 1-3

Indiana State Cancer Registry and the Epidemiology Resource Center (July 2005). **Cancer Incidence and Mortality 2002 Annual Report.** Retrieved January 9, 2006 from http://www.in.gov/isdh/dataandstats/cancer.htm.

Indiana State Cancer Registry and the Epidemiology Resource Center (March 2005). **Cancer Incidence and Mortality 2001 Annual Report.** Retrieved January 9, 2006 from http://www.in.gov/isdh/dataandstats/cancer.htm.

Ries LAG, Eisner MP, Kosary CL, Hankey BF, Miller BA, Clegg L, Mariotto A, Feuer EJ, Edwards BK (eds). *SEER Cancer Statistics Review, 1975-2002*, National Cancer Institute, Bethesda, MD. http://seer.cancer.gov/csr/1975_2002, based on November 2004 SEER data submission, posted to the SEER web site 2005.

Note: The United States incidence and mortality rates for Whites and African-Americans are from SEER source above.

Table 4

Indiana State Department of Health, Indiana State Cancer Registry Incidence Files (1998-2002), and the Epidemiology Resource Center (March 2006).

Notes: Rocky Mountain Cancer Data Systems (FORDS system, version 4.03) was used to produce the histology data. The subset (cvx9802.sel) was created on 2/22/2006. Lymphomas were not excluded from the criteria, and there is one lymphoma of the cervix in the data provided in Table 4. The following variables were used to produce the histology data:
ZIP Code at diagnosis = 460000000 to 479999999 *or* State at diagnosis = Indiana
Sex = Female
Site = *ICD-O-3* C53.0-C53.9 (Cervix Uteri)
Date of diagnosis = 00/00/1998 to 99/99/2002

Tables 5 & 6

Indiana State Department of Health. **Indiana Behavioral Risk Factor Surveillance System** (2000). Retrieved January 9, 2006 from http://www.in.gov/isdh/dataandstats/brfss/brfss_index.htm.

Indiana State Department of Health. **Indiana Behavioral Risk Factor Surveillance System** (2002). Retrieved January 9, 2006 from http://www.in.gov/isdh/dataandstats/brfss/brfss_index.htm.

Indiana State Department of Health. **Indiana Behavioral Risk Factor Surveillance System** (2004). Retrieved January 9, 2006 from http://www.in.gov/isdh/dataandstats/brfss/brfss_index.htm.

Notes: For the age groups in Tables 5 and 6, 13 five-year age groups were combined into three groups: 18-39, 40-64, and 65+. The two cervical cancer screening questions were run using the three age groupings and using the state weight for calculating the data. Responses for the unknown and refused responses to the age question were suppressed because the number was less than 50.

* Consult the table references for specific methods.