Female Invasive Breast Cancer Rate
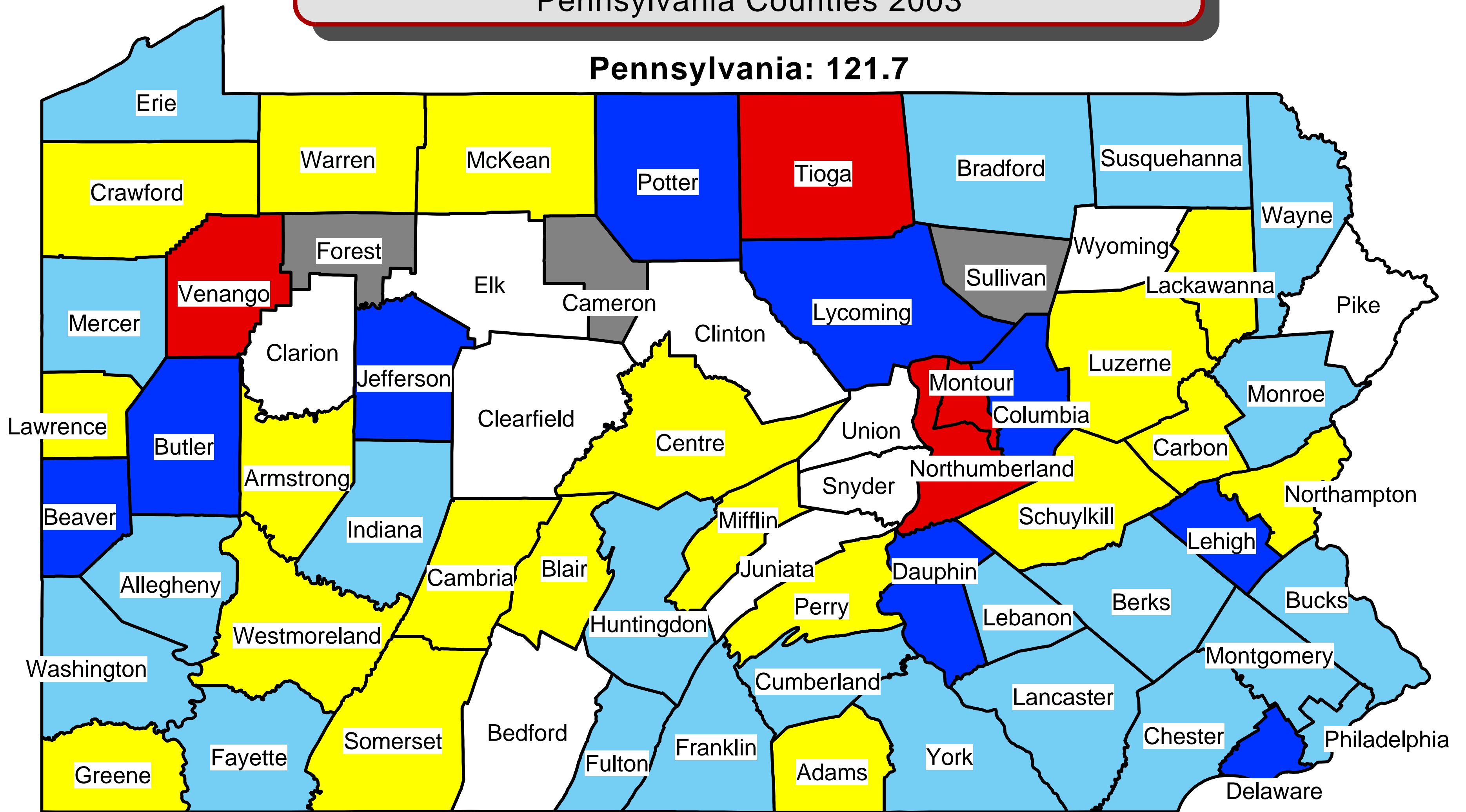## Age-Adjusted Rate per 100,000 Females
Pennsylvania Counties 2003

Pennsylvania: 121.7

[Map of Pennsylvania counties with color-coded breast cancer rates]

Erie, Warren, McKean, Potter, Tioga, Bradford, Susquehanna, Wayne, Crawford, Forest, Elk, Cameron, Sullivan, Wyoming, Lackawanna, Pike, Venango, Clarion, Jefferson, Clinton, Lycoming, Mercer, Lawrence, Butler, Clearfield, Centre, Union, Montour, Columbia, Luzerne, Monroe, Beaver, Armstrong, Indiana, Snyder, Northumberland, Carbon, Northampton, Blair, Mifflin, Juniata, Schuylkill, Lehigh, Allegheny, Cambria, Huntingdon, Perry, Dauphin, Lebanon, Berks, Bucks, Westmoreland, Dauphin, Lancaster, Montgomery, Washington, Bedford, Fulton, Franklin, Cumberland, Chester, Philadelphia, Greene, Fayette, Somerset, Adams, York, Delaware

Age-Adjusted Rate per 100,000 Females
(They are adjusted to the 2000 U.S. standard million population)

■ Not displayed if Count < 10	■ 100.0 to 115.0	■ 130.1 to 145.0
□ Less than 100.0	■ 115.1 to 130.0	■ Greater than 145.0

Definitions of Terms Used in Following Data Table:

NOTE: Access **EpiQMS** (Epidemiologic Query and Mapping System) the PA Department of Health's interactive health statistics web tool at www.health.state.pa.us/stats. EpiQMS allows users to create customized data tables, charts, maps, assessments, and profiles of birth, death, cancer, behavioral risk, infant death, teen pregnancy, and population statistics at the state, county and municipality levels.

INSITU# - The number of cancer cases diagnosed among residents at the In Situ stage that corresponds to the demographic variables defined in the row (county/state, year, age, sex, race, etc.) and primary site.
In Situ – Cancer has not penetrated or spread beyond the basement membrane of the epithelial tissue involved.

INVAS# - The following stages are used to define invasive cancer cases among residents for all primary sites (excluding Hodgkin and non-Hodgkin lymphomas):
Local – An invasive cancer that is confined entirely to the organ of origin.
Regional – Cancer has extended beyond the limits of the organ of origin and there is no evidence of distant metastasis.
Distant – Cancer cells have broken away from the primary cancer, traveled to other parts of the body, and begun to grow at the new location.
Unknown – Insufficient or no information available to determine stage.

EXP - This figure represents the expected number of events (cancer cases) that would have been reported if the county had experienced the same rate of cancer incidence as reported for the state during the same time period.

RATE = Age-Adjusted Rate
Because the occurrence of many health conditions is related to age, the most common adjustment for public health data is age-adjustment. The age-adjustment process removes differences in the age composition of two or more populations to allow comparisons between these populations independent of their age structure. For example, a county's age-adjusted death rate is the weighted average of the age-specific death rates observed in that county, with the weights derived from the age distribution in an external population standard, such as the U.S. population. Different standard populations have different age distributions and the choice will affect the resulting age-adjusted rate. If the age-adjusted rates for different counties are calculated with the same weights (i.e., using the same population standard), the effect of any differences in the counties' age distributions is removed. It is important to keep in mind that, when comparing age-adjusted rates, the standard population must be the same for all rates to be compared. See **EpiQMS Help** web pages for a more detailed explanation of age-adjusted rates and how they are calculated and used.

L = The **lower** 95% confidence limit for the rate that appears in the corresponding row.

U = The **upper** 95% confidence limit for the rate that appears in the corresponding row.

DEPARTMENT OF HEALTH

EpiQMS Help	Feedback	Webmaster	Select Dataset/Geography
Table	Chart	Map	County Assessment	County Profile

CANCER: COUNTY/STATE

Year(s)

☑ Single ☐ 3-Year Sum

2003
2002
2001

County/State

Pennsylvania
Adams
Allegheny

Sex

Total
Male
Female

Age

All Ages
00-04
05-09

NOTE: All Ages and Age-Adjusted/Specific Rate in Rate/Ratio menu will output an age-adjusted rate; age-specific rate/ratios output for age groups. NA for staging data.

Stage

In Situ
Local
Regional

NOTE: To activate, select % Staging Distribution or Age-Adj Staging Rate in Rate/Ratio menu, but Age menu will be disabled.

Race/Ethnicity

All Races
White
Black

NOTE: Hispanic can be of any race and is only available for 2002+.
*Pacific Islander

Sort Order

Rate/Ratio [Includes Count]

Age-Adjusted/Specific Rate (C
Std Morbidity Ratio (CI)
% Staging Distribution (CI)

Primary Site [ICD-O Codes]

All Cancer Sites/Types
Anus and Anal Canal
Appendix

Make Table

ND = Not displayed if count < 10.

NA = Data not available to calculate statistic.

Cancer Incidence: Breast
ICD-0-3(ICD-0-2): C500-C509/excluding: 9590-9989 (C500-C509/excluding: 9590-9989)

COUNTY/STATE	YEAR	AGE	SEX	RACE	INSITU #	INVAS #	EXP	POP	RATE	L	U
Pennsylvania	2003	All	Female	All Races	2,186	9,399	9,399	6,376,366	121.7	119.2	124.2
Adams	2003	All	Female	All Races	12	61	68	49,113	108.7	83.1	139.3
Allegheny	2003	All	Female	All Races	233	1,078	1,046	662,500	126.5	118.8	134.4
Armstrong	2003	All	Female	All Races	11	56	59	36,829	114.5	85.9	148.8
Beaver	2003	All	Female	All Races	41	182	151	92,982	143.8	123.2	166.6
Bedford	2003	All	Female	All Races	3	25	40	25,224	75.9	48.7	112.0
Berks	2003	All	Female	All Races	54	267	276	196,287	116.7	103.0	131.6
Blair	2003	All	Female	All Races	12	91	105	66,327	104.2	83.4	128.0
Bradford	2003	All	Female	All Races	6	51	48	31,965	126.2	93.5	165.8
Bucks	2003	All	Female	All Races	159	459	435	311,540	128.3	116.8	140.6
Butler	2003	All	Female	All Races	25	143	130	92,285	131.5	110.6	154.8
Cambria	2003	All	Female	All Races	15	110	129	76,624	103.1	83.8	125.0
Cameron	2003	All	Female	All Races	0	3	5	2,976	ND	ND	ND
Carbon	2003	All	Female	All Races	14	50	50	30,659	113.2	83.3	149.4
Centre	2003	All	Female	All Races	21	67	75	68,910	110.0	85.1	139.6
Chester	2003	All	Female	All Races	93	323	308	232,765	128.8	115.1	143.7
Clarion	2003	All	Female	All Races	8	23	30	21,270	93.6	58.7	139.4
Clearfield	2003	All	Female	All Races	12	54	66	41,180	94.0	70.1	122.9
Clinton	2003	All	Female	All Races	13	21	29	19,331	91.7	56.2	139.3
Columbia	2003	All	Female	All Races	13	54	49	33,934	130.2	97.1	169.9
Crawford	2003	All	Female	All Races	13	60	68	46,071	108.4	82.4	139.4
Cumberland	2003	All	Female	All Races	38	159	165	112,249	117.0	99.3	136.7
Dauphin	2003	All	Female	All Races	49	210	191	131,983	133.3	115.7	152.5
Delaware	2003	All	Female	All Races	115	467	414	288,051	139.4	126.9	152.7
Elk	2003	All	Female	All Races	8	23	28	17,387	92.1	57.6	138.1
Erie	2003	All	Female	All Races	48	198	200	143,144	119.5	103.2	137.4
Fayette	2003	All	Female	All Races	16	116	123	76,034	117.9	96.8	141.8

Make Table

County	Year	Age	Sex	Race				Population			
Forest	2003	All	Female	All Races	2	4	4	2,352	ND	ND	ND
Franklin	2003	All	Female	All Races	17	104	102	68,363	122.3	99.5	148.3
Fulton	2003	All	Female	All Races	2	11	11	7,202	123.3	60.8	220.3
Greene	2003	All	Female	All Races	4	28	29	19,327	110.0	72.6	158.2
Huntingdon	2003	All	Female	All Races	7	33	33	21,641	123.7	84.5	173.4
Indiana	2003	All	Female	All Races	14	60	64	45,693	122.0	92.5	156.8
Jefferson	2003	All	Female	All Races	5	40	37	23,337	133.5	94.0	182.1
Juniata	2003	All	Female	All Races	2	14	17	11,587	93.6	50.9	155.1
Lackawanna	2003	All	Female	All Races	44	158	182	111,111	106.2	89.5	124.6
Lancaster	2003	All	Female	All Races	74	342	338	247,032	123.5	110.6	137.4
Lawrence	2003	All	Female	All Races	21	66	80	48,917	101.0	77.3	129.0
Lebanon	2003	All	Female	All Races	17	95	96	62,834	115.7	93.1	141.7
Lehigh	2003	All	Female	All Races	65	274	244	165,614	135.6	119.7	152.7
Luzerne	2003	All	Female	All Races	54	246	273	161,853	109.0	95.2	124.1
Lycoming	2003	All	Female	All Races	30	107	91	60,698	134.9	110.2	163.1
McKean	2003	All	Female	All Races	4	30	34	22,232	105.3	70.5	149.6
Mercer	2003	All	Female	All Races	14	102	96	61,014	128.9	104.3	156.9
Mifflin	2003	All	Female	All Races	10	32	38	23,927	107.2	72.3	151.2
Monroe	2003	All	Female	All Races	11	101	101	77,772	125.0	101.8	152.2
Montgomery	2003	All	Female	All Races	150	585	580	395,993	124.6	114.6	135.1
Montour	2003	All	Female	All Races	2	19	15	9,497	155.9	92.0	242.5
Northampton	2003	All	Female	All Races	43	196	208	142,367	114.2	98.6	131.4
Northumberland	2003	All	Female	All Races	14	104	80	47,303	157.3	127.4	191.4
Perry	2003	All	Female	All Races	7	26	30	22,326	102.9	67.0	150.3
Philadelphia	2003	All	Female	All Races	260	1,065	1,056	791,580	123.2	115.8	130.9
Pike	2003	All	Female	All Races	7	29	38	26,144	93.2	62.2	135.6
Potter	2003	All	Female	All Races	3	16	14	9,165	143.4	80.6	230.4
Schuylkill	2003	All	Female	All Races	24	113	124	73,163	114.4	93.4	138.0
Snyder	2003	All	Female	All Races	6	21	27	19,476	90.7	55.9	138.0
Somerset	2003	All	Female	All Races	9	54	64	39,291	106.4	79.1	139.1
Sullivan	2003	All	Female	All Races	1	7	6	3,227	ND	ND	ND
Susquehanna	2003	All	Female	All Races	6	32	32	21,060	123.5	84.1	173.1
Tioga	2003	All	Female	All Races	6	40	31	21,234	149.7	106.1	203.5
Union	2003	All	Female	All Races	6	22	27	18,852	98.9	60.9	149.2
Venango	2003	All	Female	All Races	15	57	46	29,045	152.7	115.1	197.7
Warren	2003	All	Female	All Races	2	33	35	21,823	113.7	77.4	160.0
Washington	2003	All	Female	All Races	31	165	169	105,196	119.2	101.2	139.2
Wayne	2003	All	Female	All Races	3	38	40	24,621	117.6	82.5	161.3
Westmoreland	2003	All	Female	All Races	82	292	315	190,069	111.4	98.6	125.2
Wyoming	2003	All	Female	All Races	5	15	20	14,200	87.1	48.7	142.4
York	2003	All	Female	All Races	75	272	283	200,608	116.0	102.6	130.7

NOTE: To download data, highlight, then copy and paste. Rates based on small numbers are considered unreliable for analysis.

Click on EpiQMS Help or go to our Technical Assistance web page. Unknowns excluded in calculations. A rate, ratio or percent that appears in **red** for a county denotes a significantly higher value compared to the state's corresponding rate or ratio. A rate or ratio in **blue** denotes a significantly lower value.

Source: Pennsylvania Cancer Registry Dataset

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