

# McHenry County Breast & Cervical Cancer

McHenry County Department of Health

October 24, 2011

The logo for the McHenry County Department of Health (MCDH) features the letters 'MCDH' in a bold, blue, sans-serif font. Each letter is filled with a pattern of horizontal white lines, creating a striped effect.

# Presentation Outline

- McHenry County female breast cancer statistics
- McHenry County cervical cancer statistics
- MCDH Illinois Breast & Cervical Cancer Program (IBCCP) overview

# McHenry County Breast & Cervical Cancer Trends: 2004 - 2008

Kristen Harrison, MPH  
Epidemiologist  
McHenry County Department of Health





# McHenry County Female Breast Cancer Statistics

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❖ Screening utilization

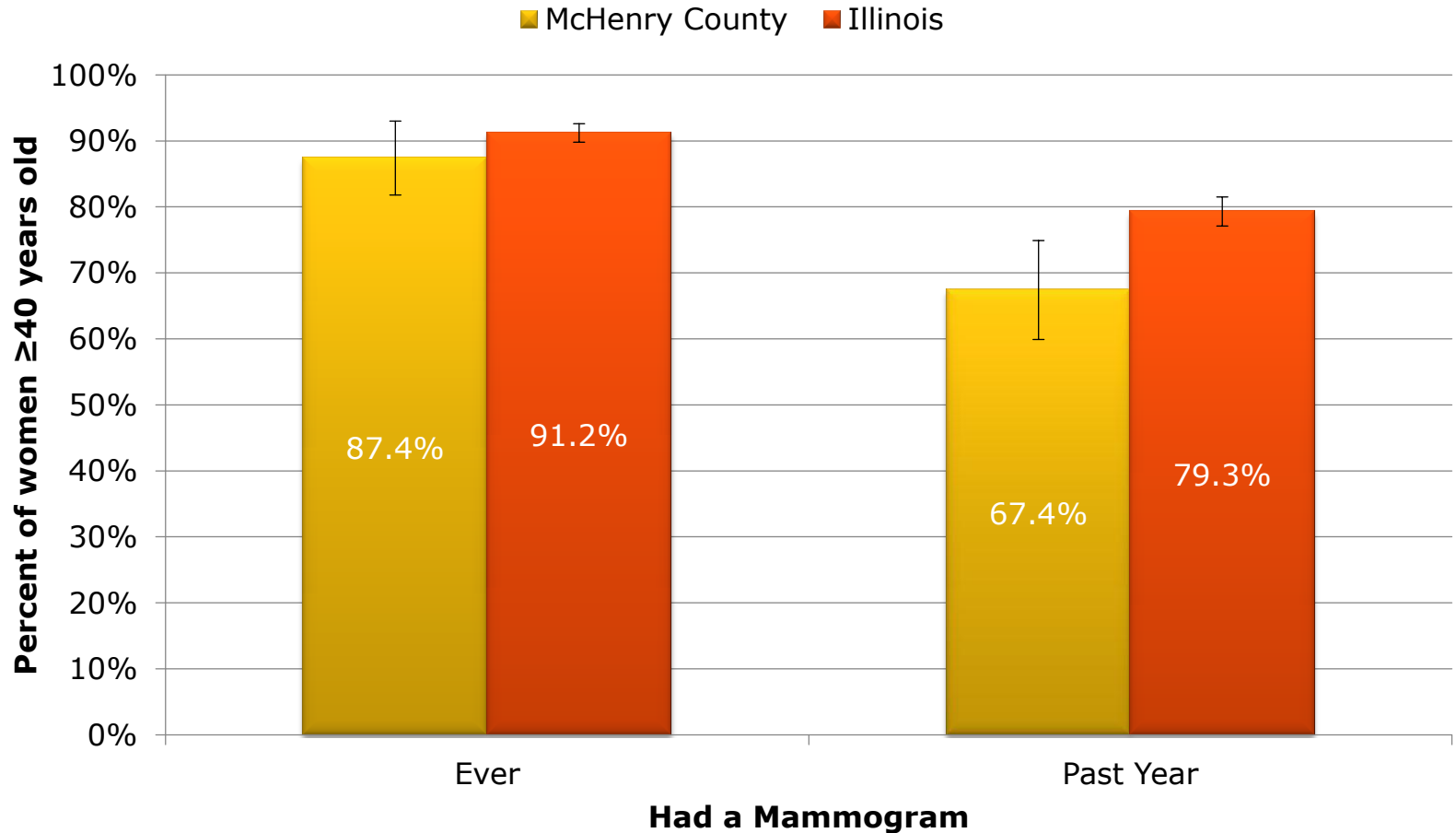
❖ Incidence

❖ 5-Year Survival

❖ Mortality



# McHenry County & Illinois Breast Cancer Screening - Mammography Utilization: 2007 - 2009

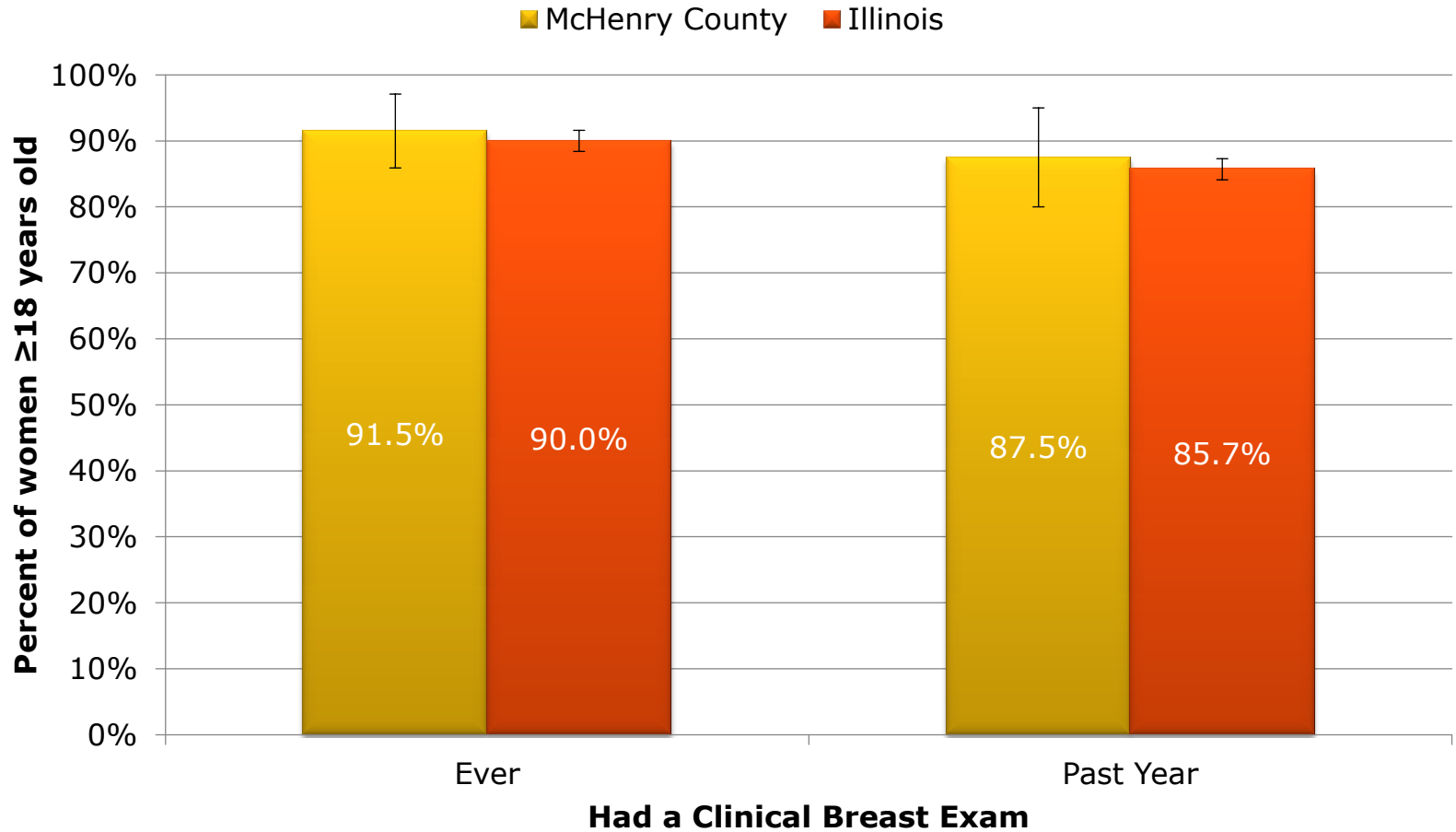


Note: Error bars on the above graph represent 95% confidence intervals.

Source: Illinois Department of Public Health, Illinois Behavioral Risk Factor Survey, 4<sup>th</sup> Round McHenry County & 2008 Illinois



# McHenry County & Illinois Breast Cancer Screening - Clinical Breast Exam: 2007 - 2009



Note: Error bars on the above graph represent 95% confidence intervals.

Source: Illinois Department of Public Health, Illinois Behavioral Risk Factor Survey, 4<sup>th</sup> Round McHenry County & 2008 Illinois



# Breast Cancer Lifetime Risk & Prevalence

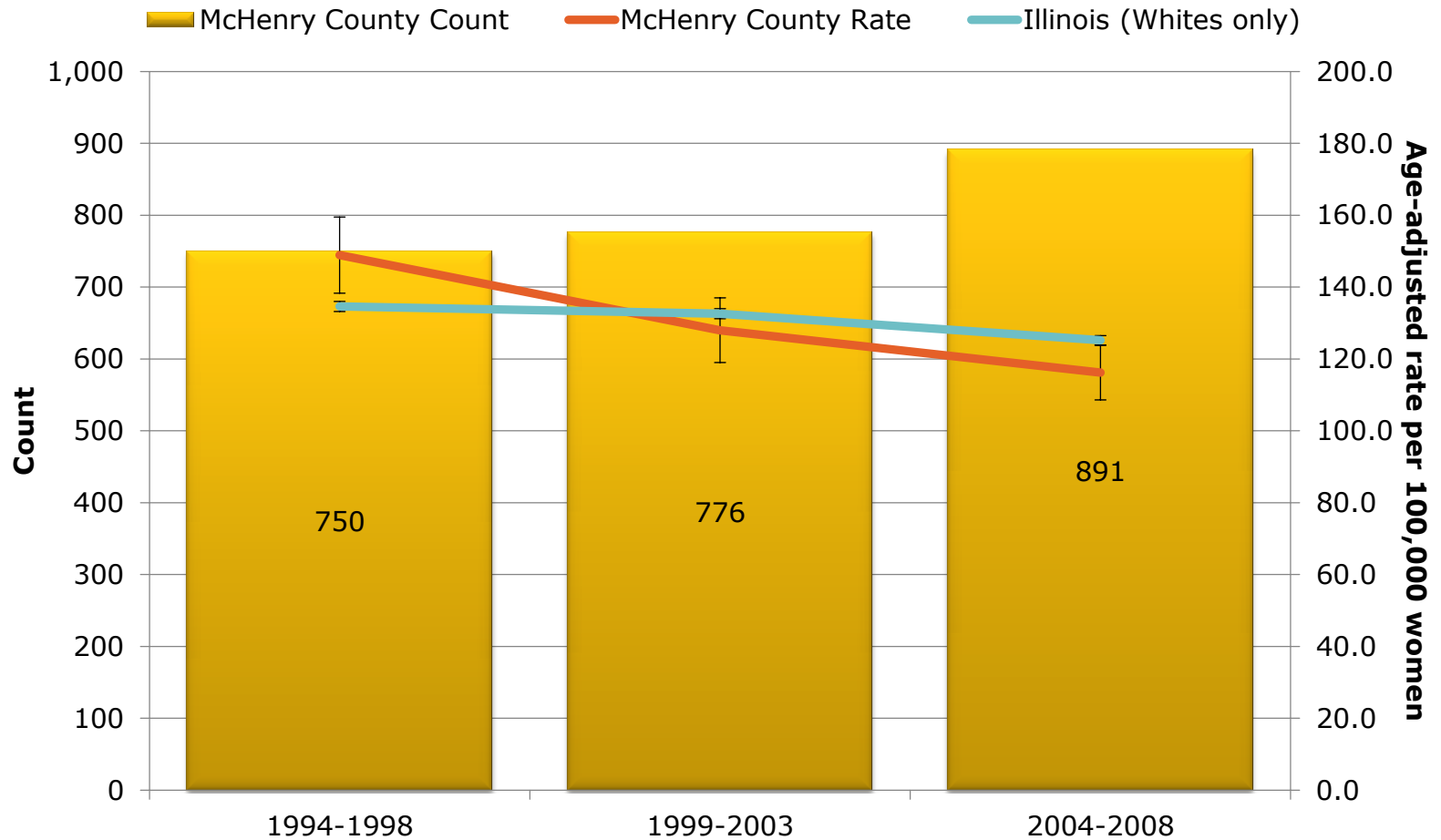
*According to the National Cancer Institute...*

- One in 8 (12.15%) women born today will be diagnosed with breast cancer at some time during their lifetime, based on rates from 2005 – 2007.
- As of January 1, 2008, there were approximately 2,632,005 women in the U.S. who have had or currently have breast cancer

Source: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). *SEER Cancer Statistics Review, 1975-2008*, National Cancer Institute. Bethesda, MD, [http://seer.cancer.gov/csr/1975\\_2008/](http://seer.cancer.gov/csr/1975_2008/), based on November 2010 SEER data submission, posted to the SEER web site, 2011.



# McHenry County & Illinois Invasive Female Breast Cancer Incidence: 1994-2008



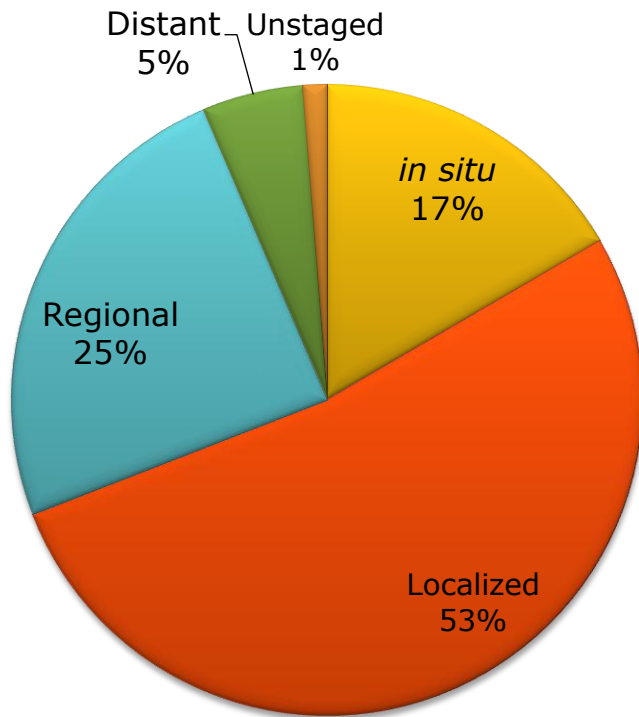
Note: Error bars on the above graph represent 95% confidence intervals.

Source: Illinois Department of Public Health, Illinois State Cancer Registry, public data as of November 2010

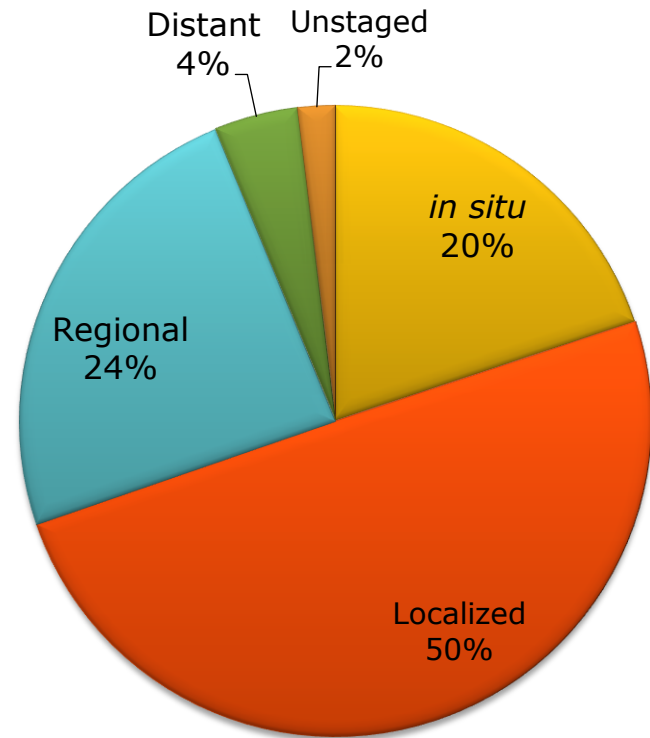


# Percent Distribution of Stage of Disease at Diagnosis Incident Female Breast Cancer: 2004 - 2008

### McHenry County



### Illinois (Whites only)



Source: Garner K., Shen T. Illinois County Cancer Statistics Review Incidence, 2004-2008. Epidemiologic Report Series 11:03. Springfield, Ill.: Illinois Department of Public Health, June 2011.



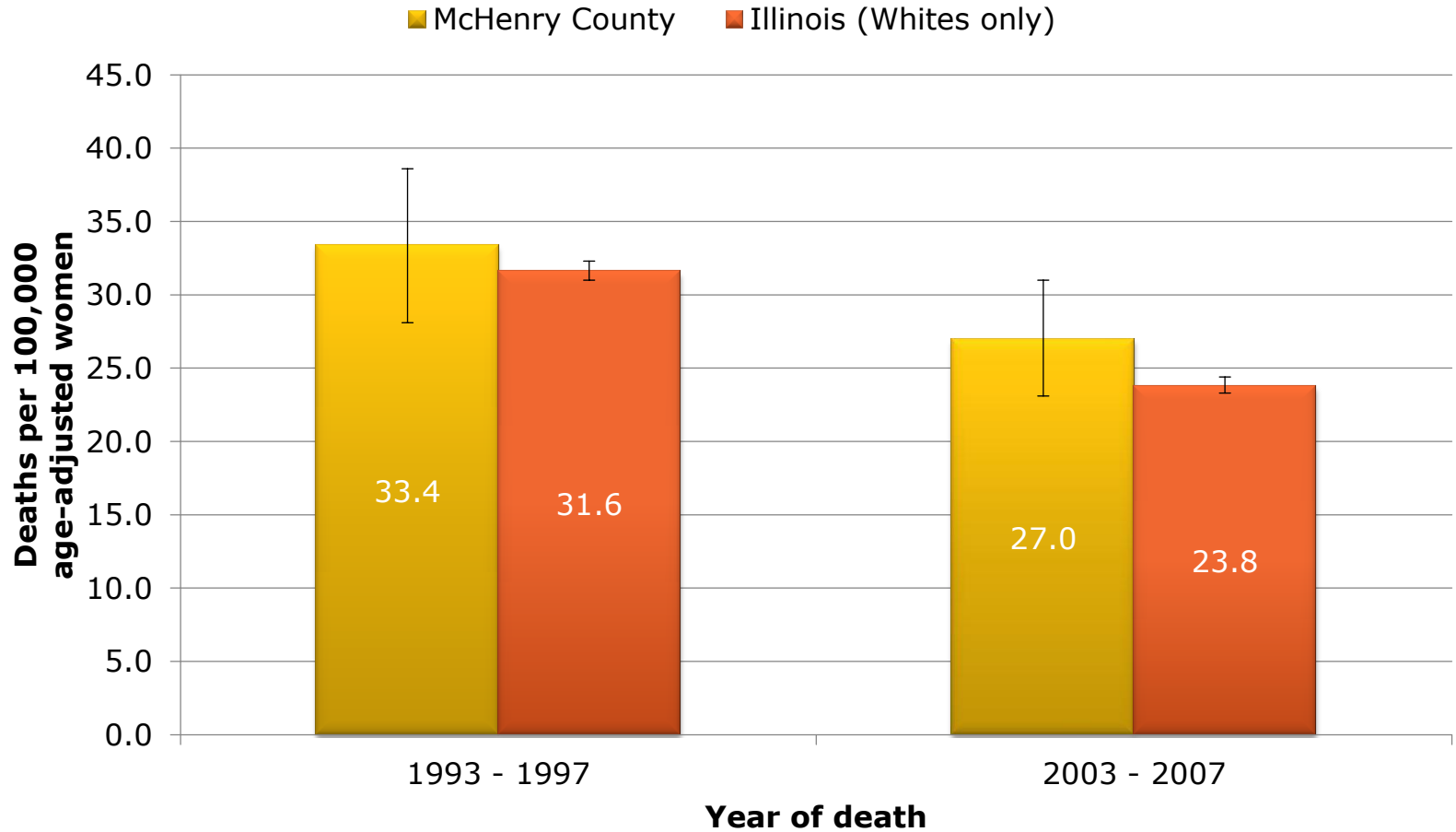
# U.S 5-Year Breast Cancer Survival Rates based on Stage

Stage at Diagnosis	5-Year Relative Survival
Localized (confined to primary site)	98.6%
Regional (spread to regional lymph nodes)	83.8%
Distant (cancer has metastasized)	23.4%
Unknown (unstaged)	52.4%

Source: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). *SEER Cancer Statistics Review, 1975-2008*, National Cancer Institute. Bethesda, MD, [http://seer.cancer.gov/csr/1975\\_2008/](http://seer.cancer.gov/csr/1975_2008/), based on November 2010 SEER data submission, posted to the SEER web site, 2011.



# McHenry County & Illinois Female Invasive Breast Cancer Mortality: 1993 - 2007

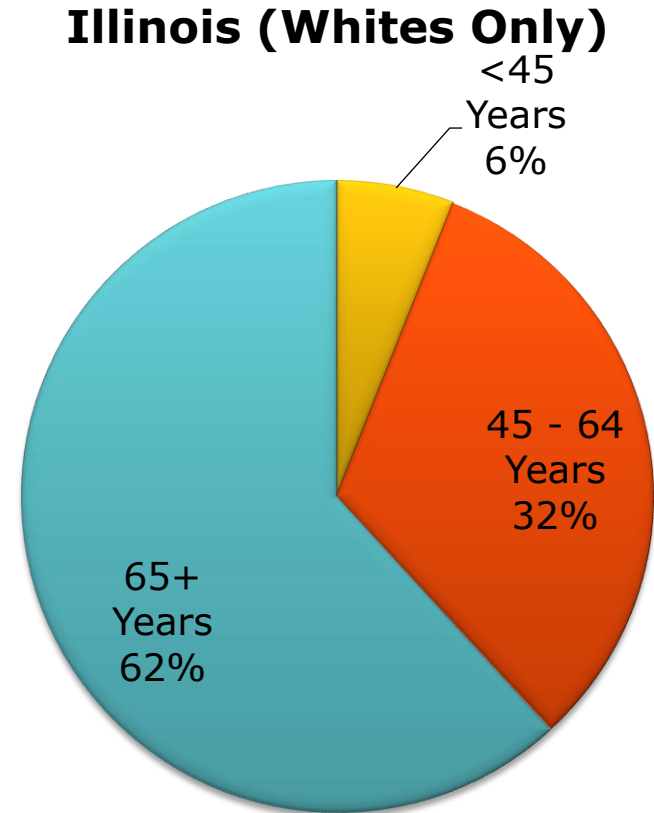
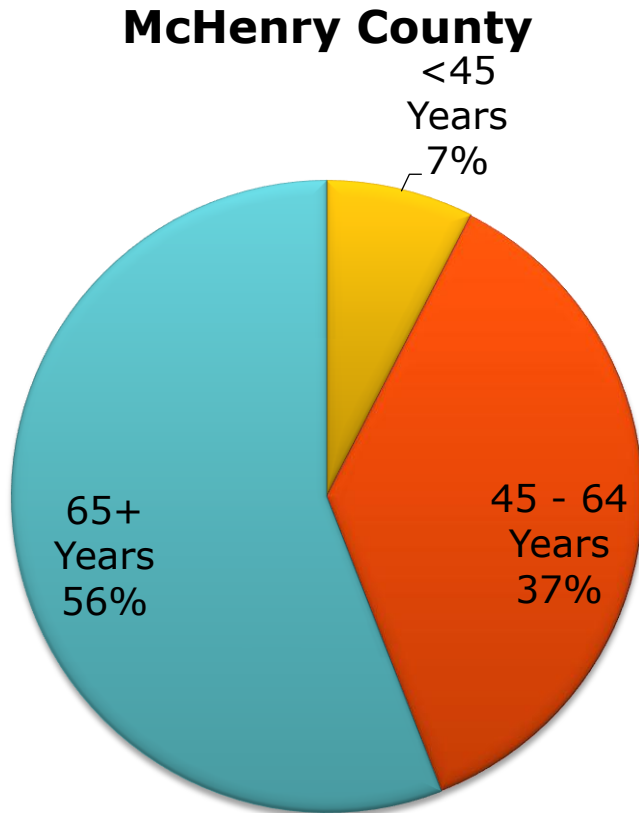


*Note: Error bars on the above graph represent 95% confidence intervals.*

Source : Illinois Department of Public Health, Illinois State Cancer Registry, public data set v17, 1986 - 2007, data as of November 2009.



# McHenry County & Illinois Age Distribution of Female Breast Cancer Deaths: 2003 - 2007



Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Compressed Mortality File 1999-2007. CDC WONDER On-line Database, compiled from Compressed Mortality File 1999-2007 Series 20 No. 2M, 2010



# Cost of Breast Cancer

- Total lifetime cancer-attributable Medicare costs
  - In situ: \$21,320
  - Localized: \$26,747
  - Regional: \$40,096
  - Distant: \$52,288

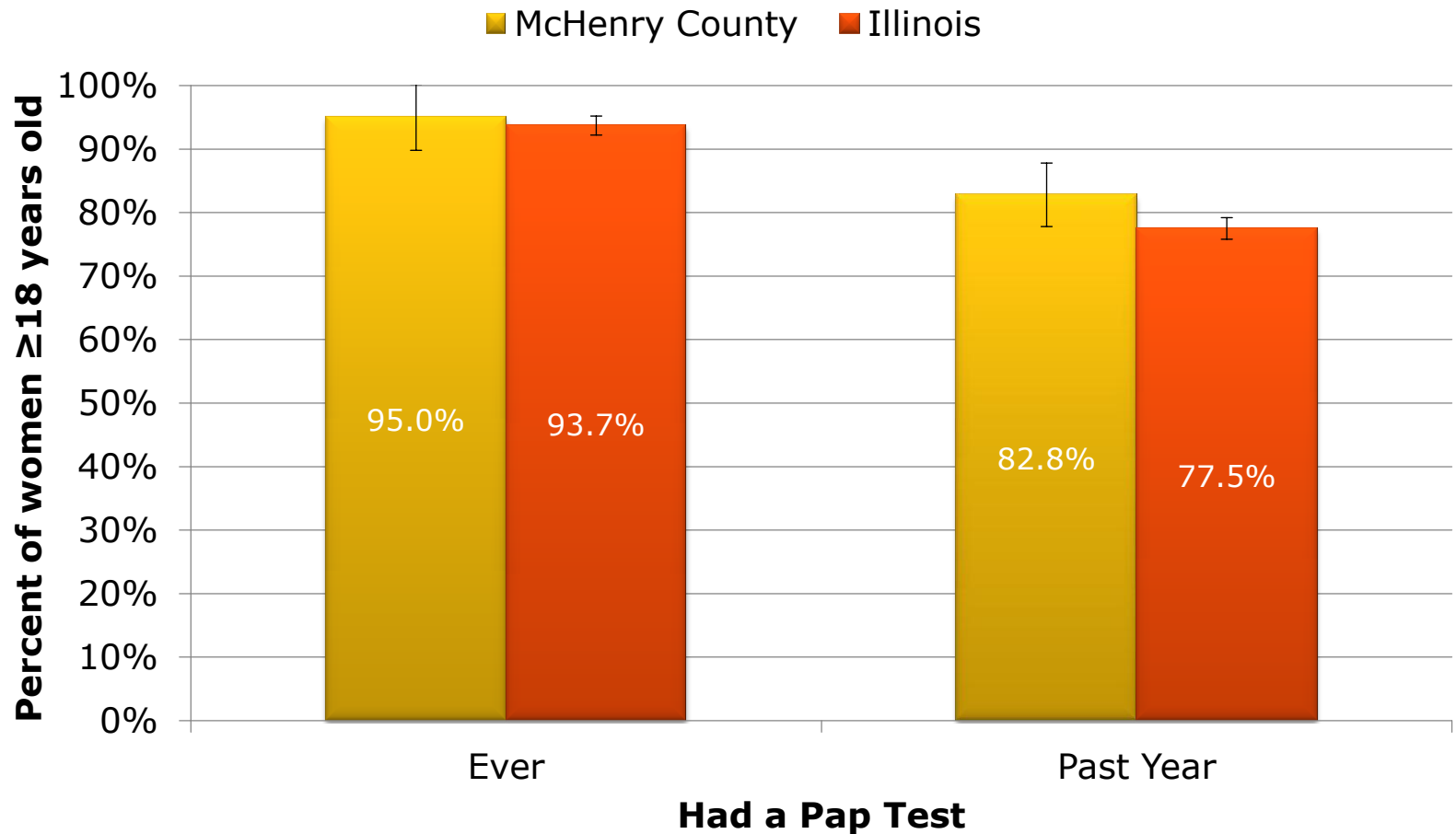


# McHenry County Cervical Cancer Statistics

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- ❖ Screening utilization
- ❖ Incidence
- ❖ 5-Year Survival
- ❖ Mortality

# McHenry County & Illinois Cervical Cancer Screening – Pap Test: 2007 - 2009



Note: Error bars on the above graph represent 95% confidence intervals.

Source: Illinois Department of Public Health, Illinois Behavioral Risk Factor Survey, 4<sup>th</sup> Round McHenry County & 2008 Illinois



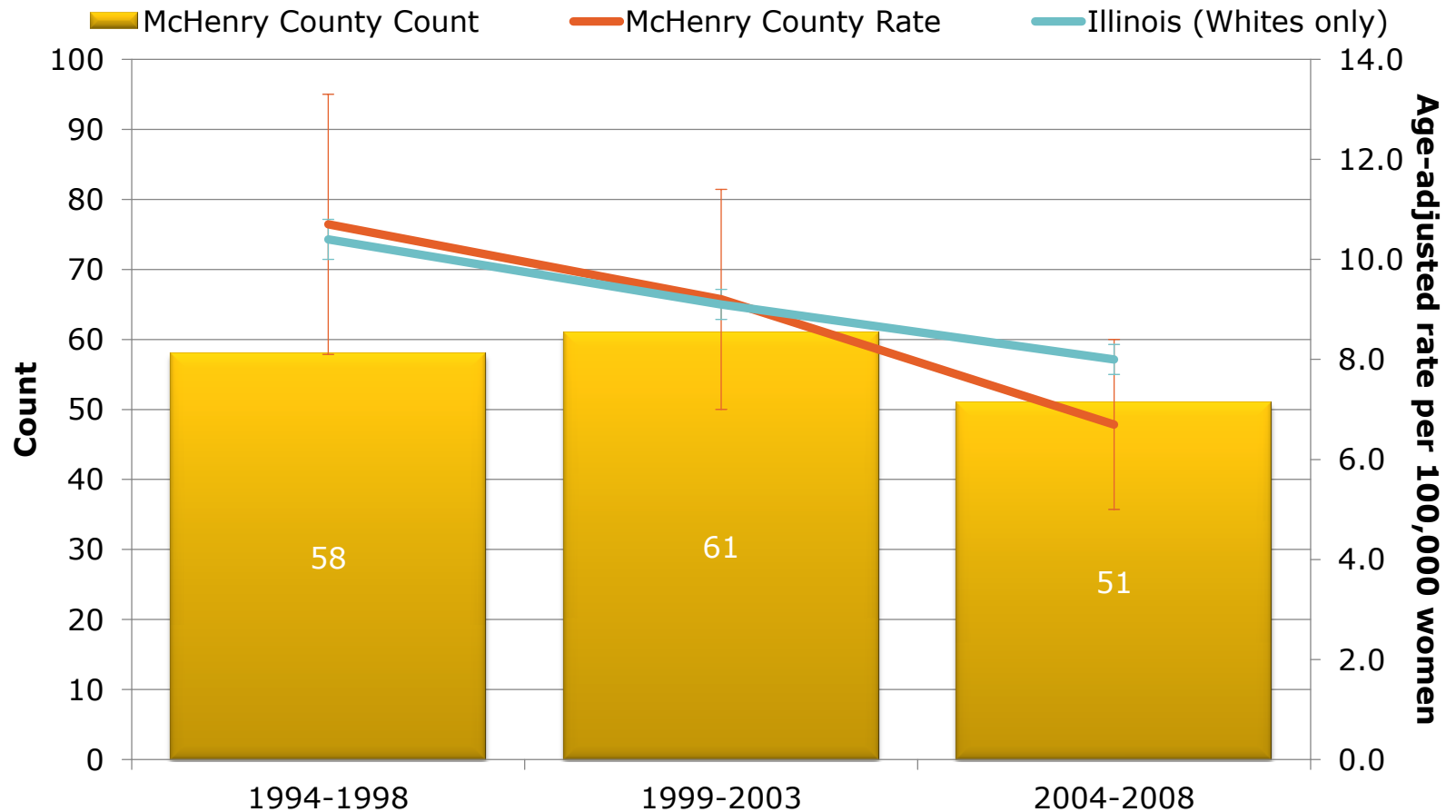
# Cervical Cancer Lifetime Risk & Prevalence

*According to the National Cancer Institute...*

- One in 147 (0.68%) women born today will be diagnosed with cervical cancer at some time during their lifetime, based on rates from 2005 – 2007.
- As of January 1, 2008, there were approximately 243,884 women in the U.S. who have had or currently have cervical cancer

Source: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). *SEER Cancer Statistics Review, 1975-2008*, National Cancer Institute. Bethesda, MD, [http://seer.cancer.gov/csr/1975\\_2008/](http://seer.cancer.gov/csr/1975_2008/), based on November 2010 SEER data submission, posted to the SEER web site, 2011.

# McHenry County & Illinois Cervical Cancer Incidence: 1994-2008



Note: Error bars on the above graph represent 95% confidence intervals.

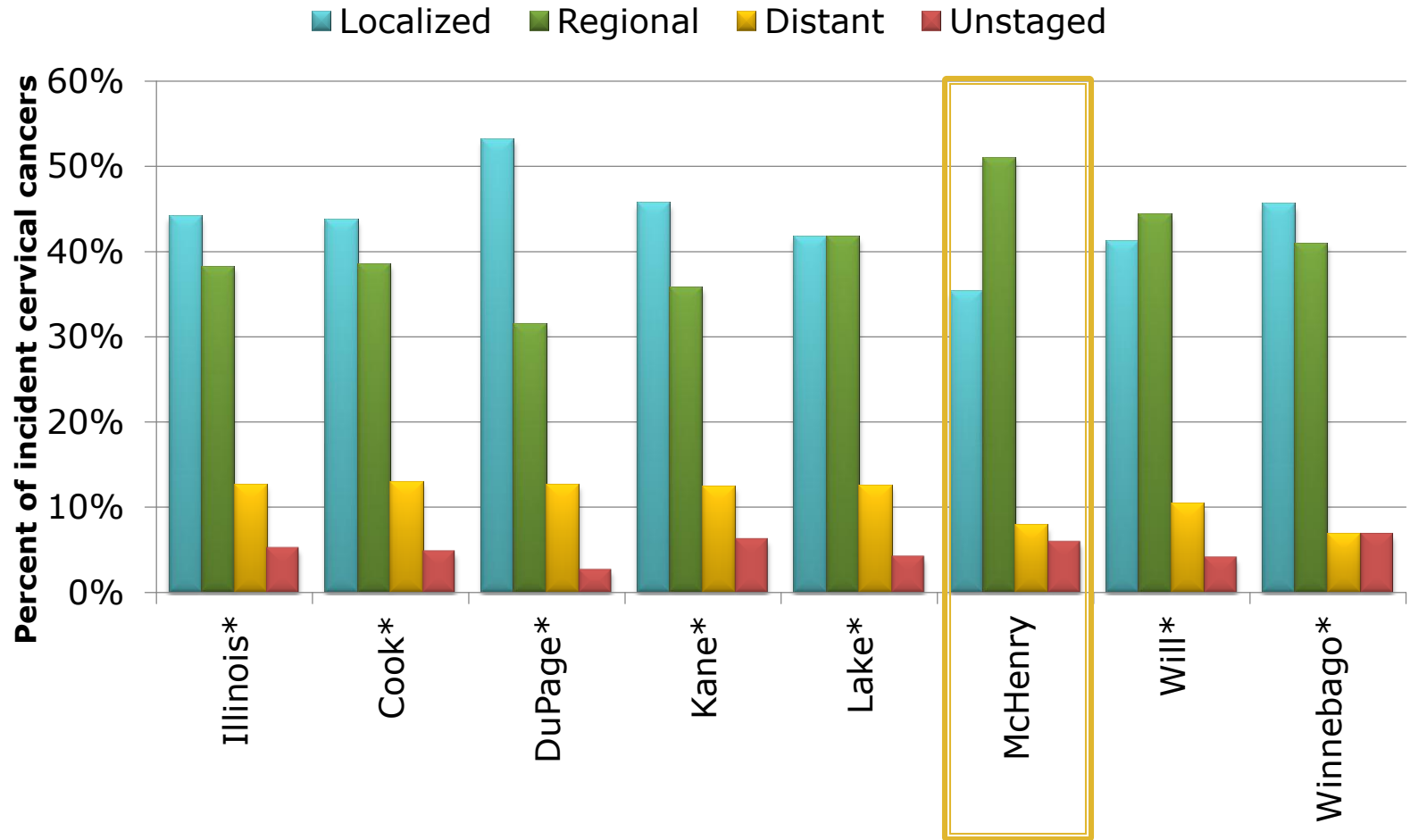
Source: Illinois Department of Public Health, Illinois State Cancer Registry, public data as of November 2010



# Select Illinois Counties

## Percent Distribution of Stage of Disease at Diagnosis

### Incident Cervical Cancer: 2004 - 2008



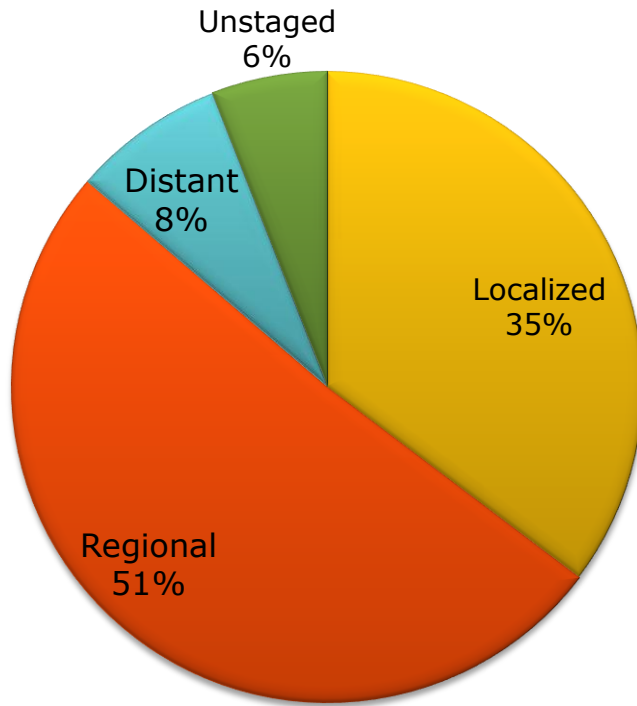
\*Whites only

Source: Garner K., Shen T. Illinois County Cancer Statistics Review Incidence, 2004-2008. Epidemiologic Report Series 11:03. Springfield, Ill.: Illinois Department of Public Health, June 2011.

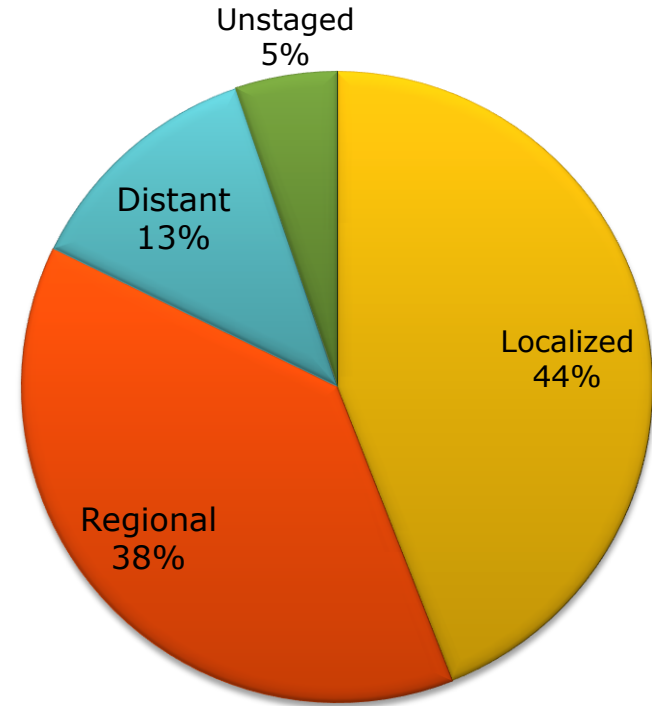


# Percent Distribution of Stage of Disease at Diagnosis Incident Cervical Cancer: 2004 - 2008

### McHenry County



### Illinois (Whites only)



Source: Garner K., Shen T. Illinois County Cancer Statistics Review Incidence, 2004-2008. Epidemiologic Report Series 11:03. Springfield, Ill.: Illinois Department of Public Health, June 2011.



# U.S. 5-Year Cervical Cancer Survival Rates based on Stage

Stage at Diagnosis	5-Year Relative Survival
Localized (confined to primary site)	90.9%
Regional (spread to regional lymph nodes)	57.0%
Distant (cancer has metastasized)	18.7%
Unknown (unstaged)	53.7%

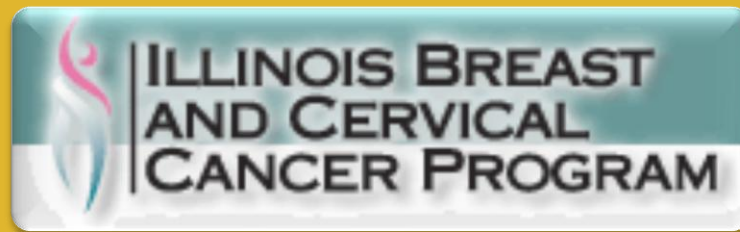
Source: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). *SEER Cancer Statistics Review, 1975-2008*, National Cancer Institute. Bethesda, MD, [http://seer.cancer.gov/csr/1975\\_2008/](http://seer.cancer.gov/csr/1975_2008/), based on November 2010 SEER data submission, posted to the SEER web site, 2011.



# U.S. Cervical Cancer Mortality

- For 2003 – 2007, the age-adjusted death rate was 2.4 per 100,000 women per year, with the lowest rates being among Whites at 2.2
- The median age at death for cervical cancer was 57 years.

Source: Howlader N, Noone AM, Krapcho M, Neyman N, Aminou R, Waldron W, Altekruse SF, Kosary CL, Ruhl J, Tatalovich Z, Cho H, Mariotto A, Eisner MP, Lewis DR, Chen HS, Feuer EJ, Cronin KA, Edwards BK (eds). *SEER Cancer Statistics Review, 1975-2008*, National Cancer Institute. Bethesda, MD, [http://seer.cancer.gov/csr/1975\\_2008/](http://seer.cancer.gov/csr/1975_2008/), based on November 2010 SEER data submission, posted to the SEER web site, 2011.



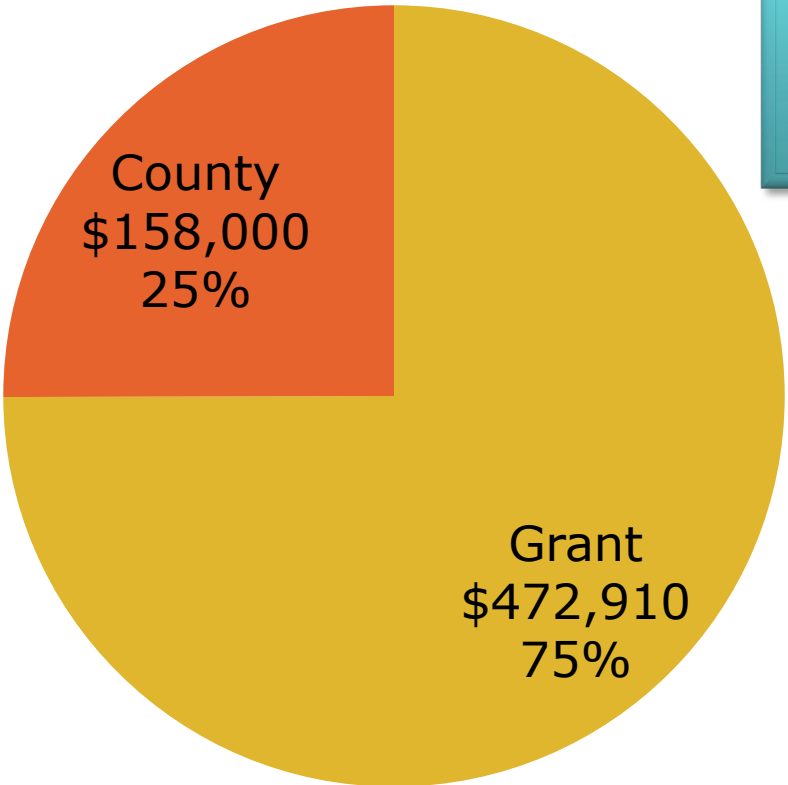
McHenry County Department of  
Health

**MCDH**

# Program Overview for FY2011

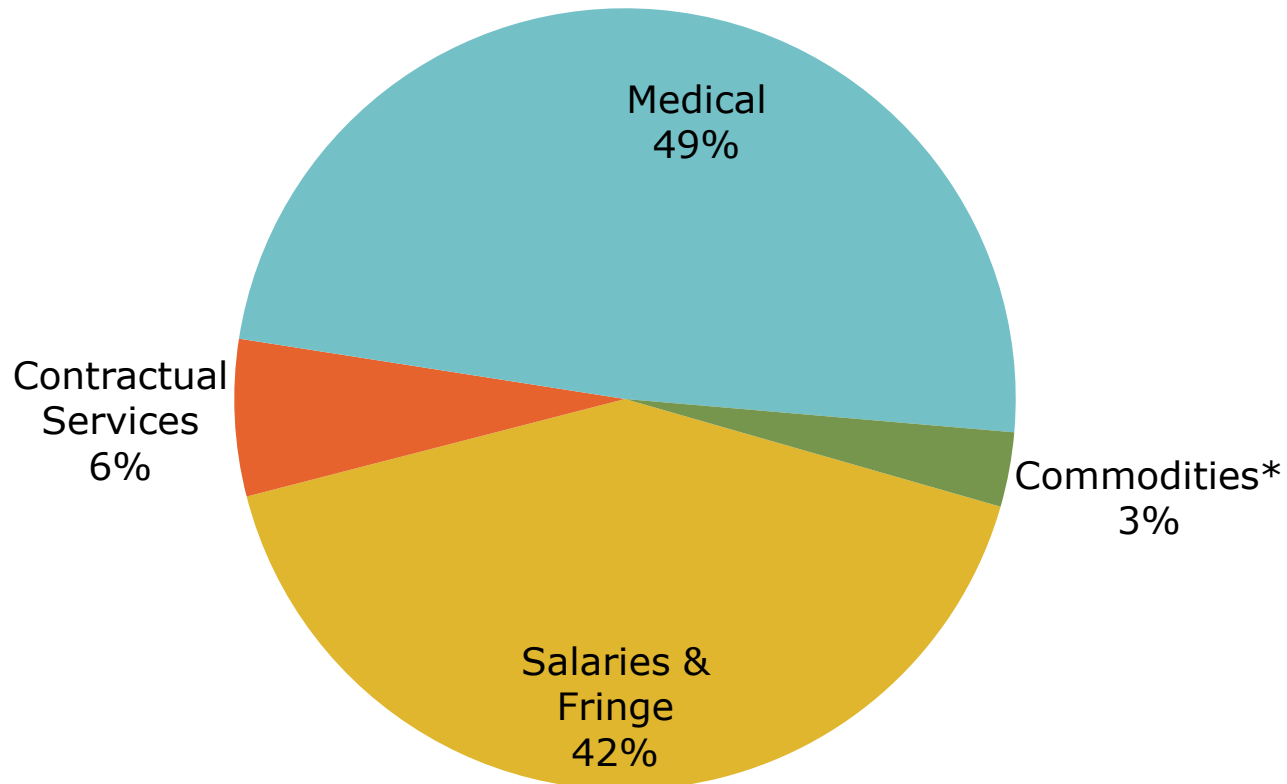
- IBCCP lead agency established Fall 2007
- Located at MCDH Crystal Lake Facility
- Healthcare Provider partnerships
- Staffed by 4.7 FTE

# McHenry County IBCCP Funding Sources: FY2011



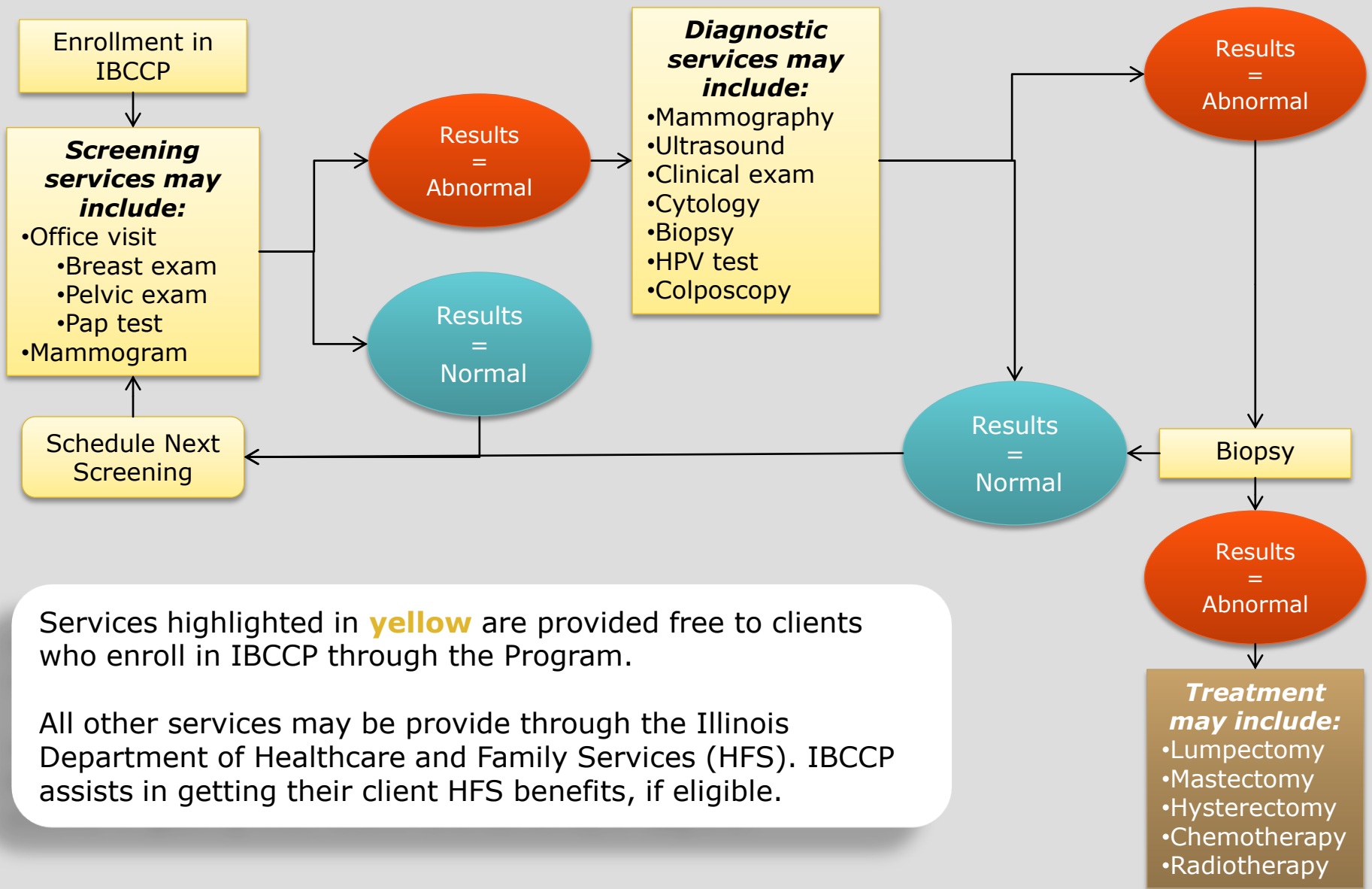
Total Funding:  
\$630,910

# McHenry County IBCCP Expenditures: FY2011



\*Commodities include 5000 line items (office supplies, office equipment, mileage, meeting expenses, supplies and promotional material)

# General Breast & Cervical Cancer Flow Chart



Services highlighted in **yellow** are provided free to clients who enroll in IBCCP through the Program.

All other services may be provide through the Illinois Department of Healthcare and Family Services (HFS). IBCCP assists in getting their client HFS benefits, if eligible.

# IBCCP Case Management Algorithm

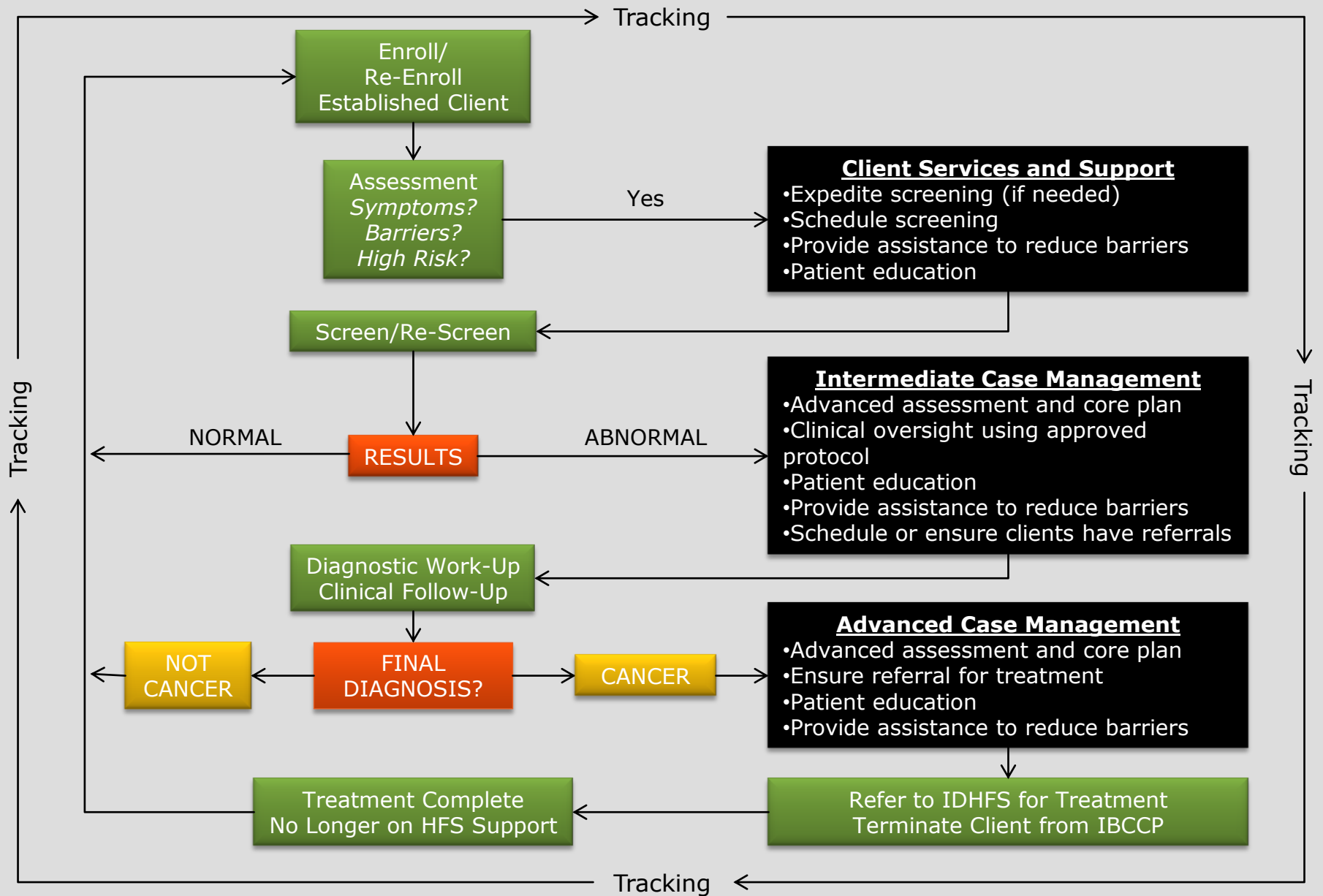


Figure reproduced from IBCCP Policy and Procedure Manual, Revised April 2011, Section 6, p16.

# IBCCP Case Enrollment & Case Management Staff Time

- For a new client without symptoms to be enrolled and case managed takes approximately 3:40 hours staff time
- Annual case management of an established client without symptoms takes approximately 2:20 hours staff time
- Clients that require more staff time, include
  - Symptomatic clients
  - Clients under 35 years old
  - Clients with a positive cancer diagnosis
  - Referral to Treatment Act (RTTA) clients

# Medical Provider Visit Reimbursement Rates for Common Scenarios

## New Client Both Breast & Cervical Screenings

Service	Fee
Office visit	\$112.18
Pap test (Thin Prep)	\$28.51
Mammography (Digital, Bilateral)	\$149.82
<hr style="border-top: 1px dashed black;"/>	
TOTAL	\$290.51

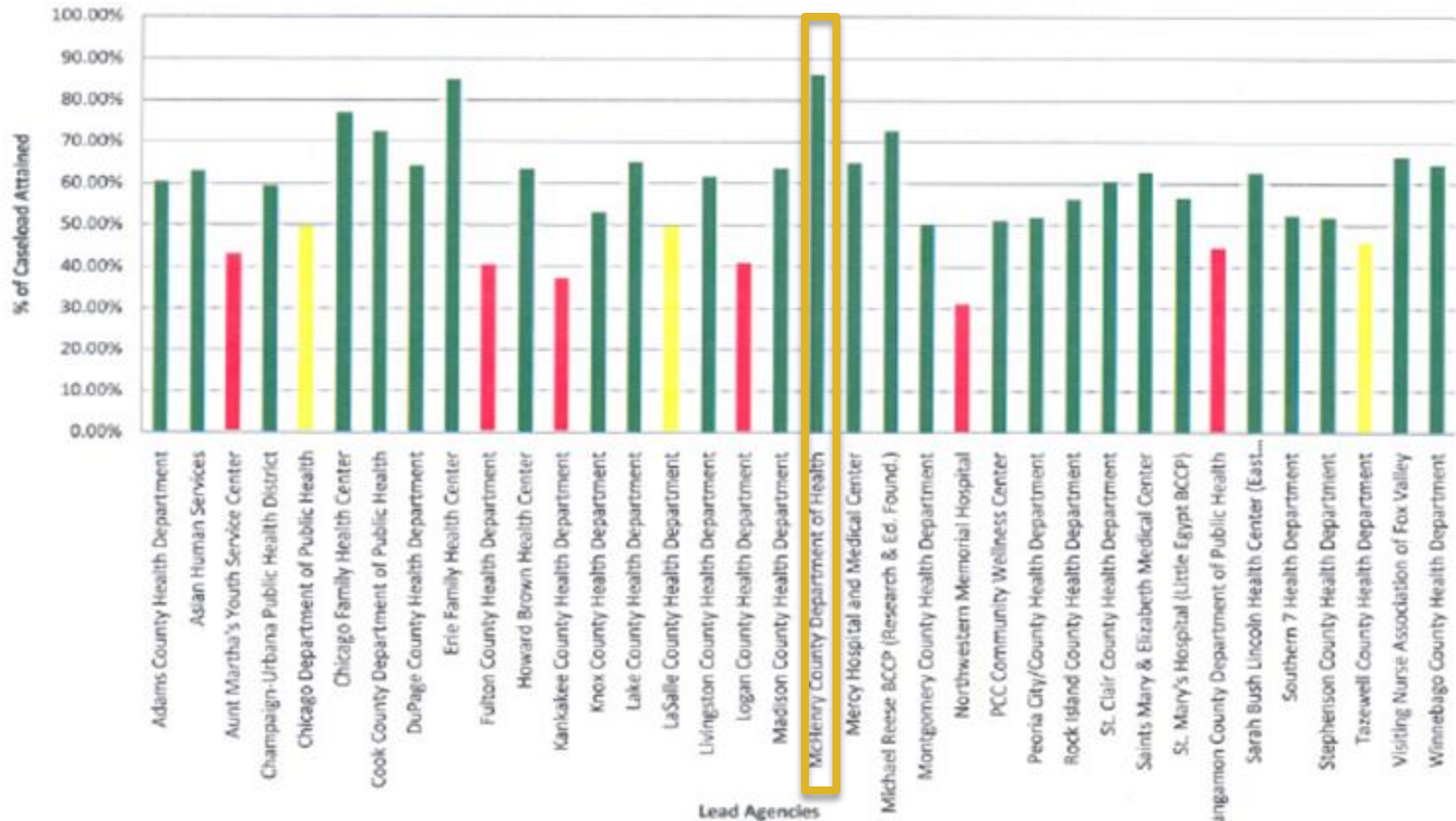
## Established Client Both Breast & Cervical Screenings

Service	Fee
Office visit	\$74.37
Pap test (Thin Prep)	\$28.51
Mammography (Digital, Bilateral)	\$149.82
<hr style="border-top: 1px dashed black;"/>	
TOTAL	\$252.70

# Program Highlights for FY2011

- Program saw 1,063 clients (38.8% were new)
- 13 clients in the program were diagnosed with cancer
  - 9 with invasive breast cancer
  - 2 with in situ breast cancer
  - 2 with cervical cancer

# Caseload Attainment for Lead Agencies Through December 31, 2009



Source: IDPH Office of Women's Health, Illinois Breast and Cervical Cancer Program, January 2010

# IBCCP Screening Services Summary for FY2011

Screening Services	Number	% Abnormal
Clinical Breast Exam	1,020	8.2%
Mammography	815	25.3%
Pap Test	689	6.8%
<b>TOTAL</b>	<b>2,524</b>	<b>13.4%</b>