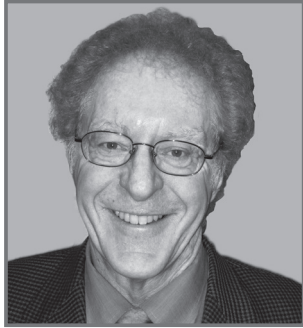


# TOGETHER, THE STRENGTH TO FIGHT CANCER



William M. Dugan Jr., MD  
Medical Oncologist/Hematologist



Frank A. Workman, MD  
Medical Oncologist/Hematologist



Hemachandra Venkatesh, MD  
Medical Oncologist/Hematologist



Kristi Orbaugh, ANP  
Nurse Practitioner

Fighting Cancer With the  
People You Trust

## Putnam County Hospital's 2010 Cancer Report

1542 S. Bloomington Street  
Greencastle, IN  
765-655-5121

Prepared by Community Cancer Care  
[www.eccoutreach.com](http://www.eccoutreach.com)



## PUTNAM COUNTY HOSPITAL'S 2005-2009 BREAST CANCER STUDY

This study reviews the age, stage, treatment and survival of breast cancer patients diagnosed at Putnam County Hospital between 2005 and 2009 and compares findings with national statistics. From 2005 to 2009 Putnam County Hospital had 74 patients with breast cancer while 1,464,614 were reported nationally. Approximately 100,000 new cases of breast cancer are diagnosed in the United States each year. There has been a sharp increase in the detection of breast cancer, largely due to the widespread use of mammography.

Most of the breast cancer cases found at Putnam County Hospital have been localized (confined to the breast). The mortality rate for breast cancer changed very little from the 1930's until the early 1990's. However, it is finally beginning to fall, in part due to the combined action of earlier diagnosis and improved therapy that is available to patients.

### Age At Diagnosis (See chart page 3)

Putnam County Hospital sees more patients in the aging population as compared to the national averages. Two-thirds of our patients are age 60 years or older. The national average is 50 years-old.

### Stage At Diagnosis (See chart this page)

Putnam County Hospital generally is in line with the national averages in regards to the stage at the time of diagnosis. Most of our cases present in stage I or stage II (67%), similar to the national of 65%. Unfortunately, significantly more of our patients present in the more advanced stage IV (13%) as compared to the national average (3%). We will continue to study the socioeconomic and clinical factors that may affect late-stage diagnosis.

Stage is important to understand because it can determine treatment and survival. A stage is given to a tumor at diagnosis so that the physician can understand the extent of the disease.

**Stage 0:** Neoplasm that meets microscopic criteria for malignancy except invasion

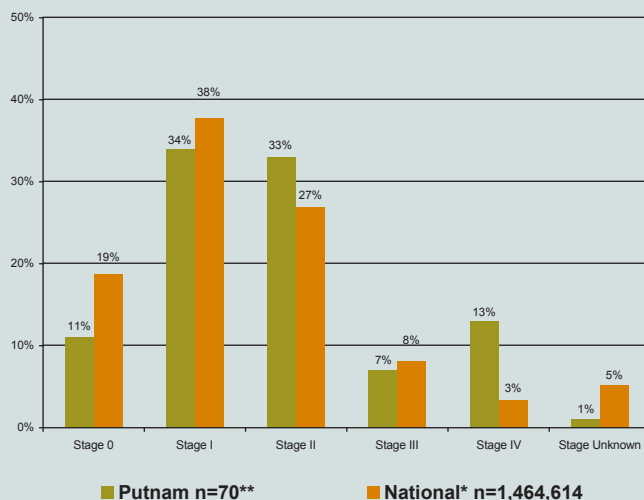
**Stage I:** Malignancy that is entirely confined to organ of origin

**Stage II/III:** Malignancy that has spread by direct extension to immediately adjacent organs/tissue or has metastasized to regional lymph nodes or organs

**Stage IV:** Malignancy that has spread beyond adjacent organs or tissues by direct extension or has developed secondary or metastatic tumors, metastasized to lymph nodes or is systemic in origin

*The AJCC (American Joint Committee on Cancer) formulates and publishes systems of classification of cancer, including staging and end results reporting, which is acceptable to and used by the medical profession.*

## PUTNAM COUNTY HOSPITAL'S 2005-2009 ANALYTIC BREAST CANCER BY AJCC STAGE



*This chart compares Putnam County Hospital with national statistics relative to "stage" for breast cancer. The word "analytic" refers to those cases diagnosed and/or treated initially at Putnam County Hospital. Note: \* National Comparison: 2000-2007, National Cancer Data Base, Chicago, IL. \*\*Excluded from this chart are 2006-2009 cases diagnosed at Putnam County Hospital with treatment elsewhere (Class 0).*

Putnam County Hospital physicians did an excellent job of properly staging their patients (assigning a stage at the time of diagnosis). The stage was unknown in only 1% of our patients as compared to 5% on a nationwide basis. This significant difference indicates that Putnam County is unusually conscientious in this regard.

### Treatment Modalities

Putnam County Hospital is likely to treat patients with more than surgery alone as compared to the national averages. Fifteen percent of our patients were treated with surgery, radiation, chemotherapy and hormone therapy combined. This compares to 8% on a national basis. Thus, Putnam County Hospital is almost two times as likely to treat patients with multiple modalities as compared to the national average. The cancer patients who were treated with combined surgery, radiation, chemotherapy and hormone therapy were in stages I, II, and III. Stage IV patients were treated with two or three modalities but never four modalities.

### Survival Data

When corrected for the stage of the disease, Putnam County Hospital generally was in line with the national averages. Our hospital was superior to the national average in stages 0, II, III and IV, however, we lagged the national average in stage I patients. The overall five-year survival of all stages grouped together was 76 percent for Putnam County Hospital.

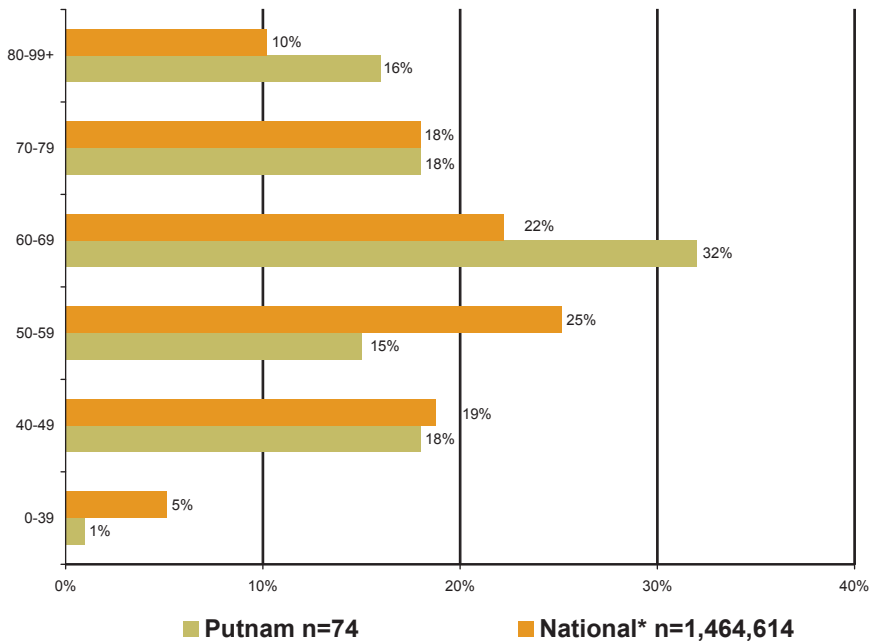
**Tony Yeiter, MD**  
Cancer Committee Chairman  
Pathologist

## PUTNAM COUNTY HOSPITAL'S 2009 CANCER INCIDENCE BY SITE AND SEX COMPARED NATIONALLY

Male	Putnam		National		Female	Putnam		National	
	n=38		n=766,130			n=35		n=713,220	
Prostate	0	0%	192,280	25%	Breast	12	34%	192,370	27%
Lung	12	32%	116,090	15%	Lung	6	17%	103,350	14%
Colon & Rectum	4	11%	75,590	10%	Colon & Rectum	4	11%	71,380	10%
Urinary Bladder	2	5%	52,810	7%	Uterine Corpus	4	11%	42,160	6%
Melanoma Skin	1	3%	39,080	5%	Non-Hodgkin Lymphoma	1	3%	29,990	4%
Non-Hodgkin Lymphoma	2	5%	35,990	5%	Melanoma Skin	0	0%	29,640	4%
Kidney	1	3%	35,430	5%	Thyroid	0	0%	27,200	4%
Leukemia	3	8%	25,630	3%	Kidney	0	0%	22,330	3%
Oral Cavity & Pharynx	1	3%	25,240	3%	Ovary	2	6%	21,550	3%
Pancreas	1	3%	21,050	3%	Pancreas	0	0%	21,420	3%
All Other Sites	11	29%	146,940	19%	All Other Sites	6	17%	151,830	21%

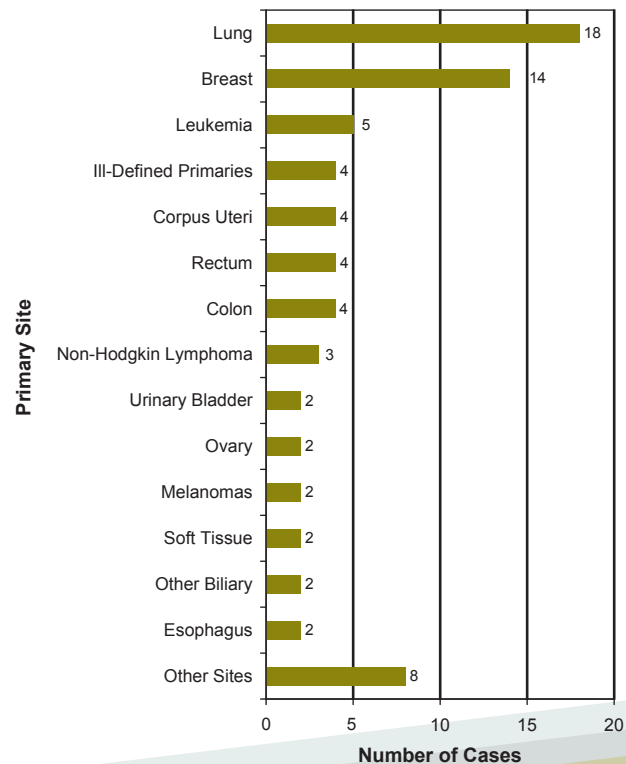
*This chart illustrates the total number of analytic cancer cases (those diagnosed and/or treated initially at Putnam County Hospital) in 2009 and breaks them down by site of origin and sex. National estimates provided by the "American Cancer Society: 2009 Cancer Facts & Figures." Excluded from the comparison are basal & squamous cell skin cancers and in situ carcinoma except urinary bladder. Male Excluded: Skin = 0 (0%); In situ = 1 (3%); Female Excluded: Skin = 0 (0%); In situ = 2 (5%).*

## PUTNAM COUNTY HOSPITAL'S 2005-2009 ANALYTIC BREAST CANCER BY AGE



*This chart illustrates the number of breast cancer patients by their age at Putnam County Hospital between 2005-2009 compared nationally. The word "analytic" refers to those cases diagnosed and/or treated initially at Putnam County Hospital. The highest percentage of diagnosis at our hospital occurred between the ages of 60-69. Note: \*National Comparison: 2000-2007, National Cancer Data Base, Chicago, IL.*

## PUTNAM COUNTY HOSPITAL'S 2009 INCIDENCE OF CANCER BY SITE 76 ANALYTIC CASES



*This chart illustrates the total number of analytic cancer cases (those diagnosed and/or treated initially at Putnam County Hospital) in 2009 and breaks them down by site of origin.*



## PUTNAM COUNTY HOSPITAL IS NATIONALLY ACCREDITED FOR CANCER CARE.

Did you know? For 20 years, Putnam County Hospital's cancer program has held national accreditation from the American College of Surgeons – [Commission on Cancer](#) – a national gold standard in cancer care. Of the 145 hospitals in Indiana, Putnam County Hospital is one of only 44 to hold this prestigious accreditation. In order to meet the standards necessary for Commission on Cancer approval, each cancer program must undergo an initial rigorous evaluation and performance review as well as document the 36 Commission on Cancer standards.

Facilities with approved cancer programs must also undergo an on-site review every three years to maintain their approval. Putnam County Hospital was recently re-accredited with 7 commendations.



## BREAST CANCER QUICK FACTS

- You are never too young to develop breast cancer! Breast self-exams should begin by the age of 20.
- Regular mammogram screenings are still the best way to detect breast cancer. The first sign of breast cancer usually shows up on a woman's mammogram before it can be felt or any other symptoms are detected.
- Because of targeted treatments, women are surviving breast cancer and living longer lives. There are different types of breast cancer, so we use different therapies for treatment. The molecular make-up of an individual's own tumor determines their treatment.
- The older you get as a female, the more at risk you are for breast cancer. Seventy-seven percent of women with breast cancer are over age 50.
- Breast cancer is the leading cause of cancer death in women between the ages of 15 and 54, and the second cause of cancer death in women 55 to 74.
- According to the American Cancer Society, breast cancer risk factors you can control include: postmenopausal obesity, use of postmenopausal hormones, alcohol consumption and physical inactivity.
- 1 in 8 women will get breast cancer in their lifetime. Ninety-six percent of women who find and treat breast cancer early will be cancer-free after five years.
- If you suffer from depression, anxiety, nausea, lack-of-appetite or other symptoms related to your cancer or its treatment, there is help. Be sure to ask your medical oncologist.

If you, a friend or a loved one has breast cancer, Putnam County Hospital's support group can help you. They meet every fourth Tuesday. For more information, call the oncology department at 765-655-2581.

Statistics taken from: [American Cancer Society](#), [National Cancer Institute](#) and [Komen Foundation](#)

## OUR CANCER COMMITTEE

**Tony Yeiter, MD**

Pathology  
Cancer Committee Chairman

**William Dugan, Jr., MD**

Medical Oncology/Hematology  
Cancer Conference Coordinator

**Scott Ackley, MD**

Radiation Oncology

**Michael Flood, MD**

Diagnostic Radiology

**Lucio Palanca, MD**

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ACoS Liaison

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Quality Assurance

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Community Outreach Coordinator

**Rhonda McCammack**

Oncology Nursing, Research

**Mindy Burch, CTR**

Cancer Data System Coordinator  
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**Vicki Trussler, RN**

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**Steve Williams**

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Hospice/Palliative Care Representative

**Becky Hutcheson**

Office Manager

**Beth Little**

Assistant Office Manager



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