Cancer Care Program 2008

Annual Oncology Report
Includes data collected through 2007

205 N. East Avenue • Jackson, MI 49201 • (517) 780-7280

Compiled, December 2008
I am pleased to introduce the seventh issue of the Allegiance Health Oncology Annual Report for calendar year 2007. The five most prevalent cancer diagnoses within Allegiance Health in 2007 were lung, breast, prostate, bladder and colon. The focus of this year’s report is prostate cancer, the fourth most commonly detected malignancy at Allegiance Health.

I would like to extend my gratitude and a special thank you to my colleagues on the Cancer Committee at Allegiance Health for their commitment, dedication, and on-going investment to our cancer program and community. 2007 was an exciting year for the cancer program with many accomplishments.

- **January 2007** - Intensity Modulated Radiation Therapy (IMRT) technology became operational, providing Radiation Oncologists advanced delivery technology for better dose distribution to the tumor and sparing to surrounding normal tissue.
- **March 2007** - The oncology program underwent a rigorous audit by the American College of Surgeon division of Commission on Cancer (CoC). Our program was awarded a three-year certification with accommodations. Nationally, only 25 percent of cancer programs are CoC certified and we are proud to be recognized as one.
- **March 2007** - A large-bore CT Simulator was installed in Radiation Oncology to assist physicians with advanced treatment planning and positioning of patients. Thank you Allegiance Auxiliary members of the and Jackson community for your continued support at our annual “Pink Ball”.
- **March 2007** - The latest evolution in robotic surgery—the da Vinci® Surgical System—was acquired, enabling surgeons to operate with unmatched precision and controls. Patients now have the most effective, least invasive surgical treatment available for prostate cancer.
- **The Ray H. Clark Cancer Research Program** - Clinical trial enrollment for cancer cases increased from four to six percent. Increased enrollment is directly related to our collaboration with the NCI clinical trial programs that participates in the Michigan Cancer Research Consortium Community Clinical Oncology Program (MCRC-CCOP). We are one of 50 participating research programs. Our involvement provides the Jackson community with over 100 cooperative groups Phase II and III trials for both cancer prevention and treatment. For more information on MCRC-CCOP trials available for each primary site, please visit [www.mcrconline.org](http://www.mcrconline.org).

Similarly, in 2008, we look forward to further improvements such as a prostate brachytherapy program, digital mammography, and an on-site nurse navigator for our patients. I hope you will take a moment to read through the following pages to learn more about the cancer care program at Allegiance Health.
Taking Action Against Cancer

Cancer Screening Guidelines
(Source: American Cancer Society, 2006)

Breast Cancer
- Annual mammograms starting at age 40 (earlier for high risk women)
- Clinical breast exam every three years for women in their 20s and 30s, and every year for women 40 and older
- Report any breast changes promptly
- Breast self-exam for women starting in their 20s

Cervical Cancer
- Screening should begin approximately three years after a women begins having vaginal intercourse, but no later than 21 years of age.
- Annual screening with regular Pap tests or every two years using liquid-based tests
- At or after age 30, women who have had three normal test results in a row may get screened every 2-3 years absent of any high-risk factors.
- Women 70 and older who have had three or more consecutive Pap tests in the last ten years may choose to stop cervical cancer screening.
- Screening after a total hysterectomy (with removal of the cervix) is not necessary unless the surgery was done as a treatment for cervical cancer.

Colorectal Cancer
- Men and women age 50 and over:
  - A fecal occult blood test (FOBT) every year
  - A flexible sigmoidoscopy (FSG) every five years
  - A double-contrast barium enema every five years
  - A colonoscopy every ten years

Prostate Cancer
- Men age 50 and over:
  - Annual prostate-specific antigen (PSA) test and the digital rectal examination (DRE)
  - Men at high risk (African-American men and men with a strong family history of one or more first-degree relatives diagnosed with prostate cancer at an early age) should begin testing at age 45.
  - Information should be provided about what is known and uncertain about the benefits and limitations of early detection and treatment of prostate CA for informed decision making.

Allegiance Health 2007 Primary Site Table

<table>
<thead>
<tr>
<th>PRIMARY SITE</th>
<th>TOTAL</th>
<th>POST</th>
<th>RISK</th>
<th>CHANCE OF CANE</th>
<th>ALICE</th>
<th>BRPD</th>
<th>ALCOHOL INTAKE FOR ANALYTICAL CANCER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BREAST</td>
<td>793</td>
<td>92</td>
<td>2.2</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>COLORECTAL</td>
<td>67</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>PROSTATE</td>
<td>79</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>CERVICAL</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>ESOPHAGEAL</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>KIDNEY</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>LEUKEMIA</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>LYMPHOMA</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>MYELOMA</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>BLADDER</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>LUNG</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>NERVOUS SYSTEM</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>OVARIAN</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>PANCREAS</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>PERITONAL EFFUS</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>PROSTATE CA</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>SKIN</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>SLEEPING</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>UNKNOWN CA</td>
<td>32</td>
<td>94</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
<tr>
<td>TOTAL</td>
<td>105</td>
<td>100</td>
<td>2.5</td>
<td>12.7</td>
<td>17.5</td>
<td>9.9</td>
<td>8.3</td>
</tr>
</tbody>
</table>
The Cancer Registry for the Cancer Care Program of Allegiance Health is a data-collection system used to manage and analyze case data to provide a clear reading of the types and numbers of cases that occur in the Allegiance Health service area. Data on new cancer cases each year is tracked and recorded according to malignancy. The data collected includes patient demographics, information concerning the tumor location, size, type and treatment. Patient identity is excluded from the database to protect patient confidentiality.

### Prostate Cancer Statistics

- **2007 Registry Data**

#### Comparison Top Five Analytical Most Frequent Sites

<table>
<thead>
<tr>
<th>Site</th>
<th>ALLEGANCE HEALTH</th>
<th>National-IMPAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breast</td>
<td>4%</td>
<td>9%</td>
</tr>
<tr>
<td>Lung</td>
<td>17%</td>
<td>8%</td>
</tr>
<tr>
<td>Prostate</td>
<td>16%</td>
<td>12%</td>
</tr>
<tr>
<td>Bladder</td>
<td>7%</td>
<td>4%</td>
</tr>
<tr>
<td>Colon</td>
<td>4%</td>
<td>3%</td>
</tr>
</tbody>
</table>

#### Age at Diagnosis

<table>
<thead>
<tr>
<th>Age Group</th>
<th>ALLEGANCE HEALTH</th>
<th>National-IMPAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-29</td>
<td>8%</td>
<td>7%</td>
</tr>
<tr>
<td>30-39</td>
<td>23%</td>
<td>15%</td>
</tr>
<tr>
<td>40-49</td>
<td>34%</td>
<td>13%</td>
</tr>
<tr>
<td>50-59</td>
<td>26%</td>
<td>13%</td>
</tr>
<tr>
<td>60-69</td>
<td>7%</td>
<td>18%</td>
</tr>
<tr>
<td>70-79</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>80-89</td>
<td>0%</td>
<td>3%</td>
</tr>
<tr>
<td>90+</td>
<td>1%</td>
<td>24%</td>
</tr>
</tbody>
</table>

#### First Course of Treatment

<table>
<thead>
<tr>
<th>Procedure</th>
<th>ALLEGANCE HEALTH</th>
<th>National-IMPAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>TURP</td>
<td>46%</td>
<td>1%</td>
</tr>
<tr>
<td>TURP/H</td>
<td>2%</td>
<td>46%</td>
</tr>
<tr>
<td>RRP</td>
<td>16%</td>
<td>5%</td>
</tr>
<tr>
<td>RRP/X</td>
<td>15%</td>
<td>1%</td>
</tr>
<tr>
<td>RRP/H</td>
<td>7%</td>
<td>12%</td>
</tr>
<tr>
<td>X</td>
<td>13%</td>
<td>2%</td>
</tr>
<tr>
<td>H</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>OTHER</td>
<td>4%</td>
<td>46%</td>
</tr>
</tbody>
</table>

#### AJCC Stage

<table>
<thead>
<tr>
<th>Stage</th>
<th>ALLEGANCE HEALTH</th>
<th>National-IMPAC</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>1</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>2</td>
<td>93%</td>
<td>4%</td>
</tr>
<tr>
<td>3</td>
<td>4%</td>
<td>3%</td>
</tr>
<tr>
<td>4</td>
<td>0%</td>
<td>0%</td>
</tr>
<tr>
<td>Unknown</td>
<td>3%</td>
<td>0%</td>
</tr>
</tbody>
</table>

*National benchmarks provided by IMPAC Software.
The Cancer Care Program at Allegiance Health is led by an effective group of oncologists and other cancer specialists who direct the quality standards of the program, including continuing staff education and accreditation requirements. In addition to sharing expertise on cancer treatments and initiatives, these dedicated professionals work tirelessly to incorporate new technology into treatment planning and meet every patient need.

The committee is comprised of:

**Physician Members 2007**
- John Axelson MD, Hematology & Oncology, Cancer Committee Chairman
- Richard V. A. Dieterle, MD, Director, Pathology
- Michael Sheth, MD, Pain Management
- Amy Schultz, MD, Community Health & Prevention, Community Outreach Coordinator
- Julie Soriano, MD, Radiation Oncologist, Cancer Liaison Physician
- Anil Tibrewal MD, General Surgeon
- David Williamson, MD, Radiology

**Additional Members 2007**
- Deborah Dusseau, BS, RT, Manager, Radiation Oncology & Cancer Registry
- Susan Caines, BSN, MBA Quality Management
- Jill Drewno, RN, OP IV Services
- Joan Ezinga, RN, Women's Health Center
- Mary Floros, CTR, RHIT, Cancer Registrar
- Nyoshini Govender, RBScPT, Manager, Outreach Services
- Terrance Keys, Executive Director, Neuromusculo Skeletal Services, Imaging Services/Radiation Oncology
- Robin Kirkpatrick, Director, Marketing
- Lil McGaffigan, BSN, RN Case Management
- Laurie Collier, RN, Clinical Trial Coordinator
- Rachel Wheeler, RN, Nurse Manager, Medical Oncology Unit

Hematology and Oncology Associates, along with Allegiance Health, jointly operate the Ray H. Clark Cancer Research Program and maintain an affiliation with the University of Michigan Cancer Care Network. This relationship allows our patients direct access to clinical trial protocols (cancer research) available through the National Cancer Institute.

In 2007, 6% of analytical patients enrolled in clinical trials.

**Supporting Programs and Services**
- Case Management
- Cancer Conference
- Center for Pain Management
- Allegiance Health Hospice Home
- Home Care Services
- Hospice of Jackson
- Imaging Services
- Inpatient Hospice Care
- Inpatient Oncology
- Outpatient Chemotherapy
- Outpatient IV Services
- Pastoral Care
- Pharmacy
- Radiation Oncology
- Registered Dietitians
- Rehabilitation Services

**Local Support Groups**
- Living Stronger Together (chronic illnesses)
- RENEW (breast/gynecological cancer)
- Man to Man (prostate cancer)
important phone numbers

**Medical Oncologists**
- Hematology and Oncology Associates . . . 789-7122
- Central Clinic, P.C. . . . . . . . . . . . . . . . . 787-8371

**Radiation Oncologists**
- Paul Tejada Center for Radiation Oncology . . . . . .780-7299

Access Center
- (24-hours crisis counseling line) . . . . . . .789-5971
- Case Management Department . . . . . . .788-4950
- Center for Pain Management . . . . . . .788-4841
- Allegiance Health Home Care . . . . . . . . .841-6984
- Allegiance Health Hospice . . . . . . . . . . .841-6983
- Allegiance Health Hospice Home . . . . . . .817-7600
- Ray H. Clark Cancer Research Program . . . .841-1413
- Support Group Information . . . . . . . . . . .780-7299

Outpatient IV Services . . . . . . . . . . . . . . . . .788-4922
- Pastoral Care . . . . . . . . . . . . . . . . . . . .788-4889
- Patient Representative . . . . . . . . . . . . .788-4740
- Pharmacy . . . . . . . . . . . . . . . . . . . . . .788-4817
- Registered Dietitians . . . . . . . . . . . . . . .787-3806
- Rehabilitation Services
  - Inpatient . . . . . . . . . . . . . . . . . . . .788-4704
  - Outpatient . . . . . . . . . . . . . . . . . . .788-4856
  - Lymphedema Clinic . . . . . . . . . . . . . . .780-7252

online resources

National Comprehensive Cancer Network
- [www.nccn.com](http://www.nccn.com)

American Cancer Society
- [www.cancer.org](http://www.cancer.org)

National Cancer Institute
- [1-800-4CANCER](http://www.cancer.gov)
- [www.cancer.gov](http://www.cancer.gov)

Center for Disease Control
- [www.cdc.gov/cancer/screenforlife](http://www.cdc.gov/cancer/screenforlife)

Allegiance Health
- [www.AllegianceHealth.org](http://www.AllegianceHealth.org)

Michigan Cancer Research Consortium
- [www.mcrconline.org](http://www.mcrconline.org)

To determine Medicare coverage
- [1-800-MEDICARE](http://1-800-MEDICARE)

People Living with Cancer
- [www.plwc.org](http://www.plwc.org)

American College of Surgeons
- [www.facs.org](http://www.facs.org)