

HOPE starts here.

CANCER PROGRAM
Annual Report
2018



Holyoke Medical Center
A member of Valley Health Systems

CANCER PROGRAM

Annual Report 2018

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Cancer Registrar/Clinical Trials Coordinator



CONTENTS

2	A Year in Review	11	Cancer Frequency at Holyoke Medical Center
5	Cancer Registrar's Report	12	Breast Cancer Study
6	Cancer Committee Members	15	Colon Cancer Study
7	Cancer Treatment at HMC	16	References

HOPE starts here.

Represents Holyoke Medical Center's commitment to providing high quality, personalized healthcare in the prevention, diagnosis and treatment of cancer. This annual report highlights the work, progress and achievements of our Cancer Program in 2018, and our impact on care and the community.

A Year in

The Cancer Committee is responsible for developing and implementing programs that evaluate cancer care at Holyoke Medical Center with respect to quality improvement and patient care. The committee organizes cancer screening sessions for various cancer sites, such as breast, colon, prostate and skin. The committee institutes programs to meet the standards of the American College of Surgeons Commission on Cancer.

This year, Holyoke Medical Center's cancer program was re-accredited for three years by the American College of Surgeons. Maintenance accreditation requires a rigorous examination at the time of survey and in the months leading up to survey of all policies, procedures, programs and data of the HMC cancer program and its staff. The hospital is also accredited by the National Accreditation Program for Breast Centers (NAPBC) for its breast cancer program.

Zubeena Mateen

*M.D., Director, Hematology/Oncology
Co-Chairman, Cancer Committee*

REVIEW

In 2018, the cancer committee worked very diligently with the help of administration to **network in order to provide radiation oncology** services to the cancer patient, since the on campus radiation service had closed in 2016. This has been accomplished and radiation oncology is a presence at cancer conferences from Cooley-Dickinson/Mass. General.

In 2018, goals for the cancer committee to achieve were **inpatient referrals to the lung cancer screening program** and decreasing the no show rate in the high risk breast screening program.

Dr. Francis Martinez has been appointed liaison to the American College of Surgeons for a three year term. To meet the standards set forth by the Commission on Cancer, the hospital must review data submitted to the National Cancer Database and use benchmark reports. During 2018, the liaison reported on this data quarterly.

In 2018, studies were done on allergic reactions to chemotherapy and no shows on call backs for added images on mammograms.

Dr. Martinez did a study on colon cancer and found that national treatment guidelines were being followed in most cases. The removal of greater than 12 lymph nodes on surgical resection continues to be a barrier with the elderly population

who can have resections for palliative purposes.

Outreach programs such as the **men's health fair** was held in June which was well attended. Events were held in October for **breast cancer awareness**. A **breast cancer screening** was done in the oncology department.

Lung cancer screening by low dose CT scan continues in 2018. Screening and prevention programs continue for prostate, colon, breast and skin cancer.

A Survivor's Day luncheon was held in June and was very well attended.

The committee continues to coordinate educational opportunities for the medical staff and public with tumor and breast cancer conferences held monthly.

The **breast center participates in breast cancer clinical trials** in cooperation with the University of Nebraska Medical Center's Breast Cancer Collaborative Registry (BCCR) which uses DNA in the hopes of the discovery of a breast cancer vaccine. This has been an ongoing effort for eight years. The hospital participated in a special COMET (Comparison of Operative to Monitoring and Endocrine Therapy) study in conjunction with the American College of Surgeons on DCIS patients. Twenty patients were submitted to the study.

A community health needs assessment was done by the hospital in 2016. The committee identified barriers to address through navigation in 2018 insurance related challenges, transportation, access to care, financial distress and mental health disorders. Patient navigation and psychosocial distress monitoring is done in the oncology department to address these issues. Referrals are made to financial counseling, social work, detox, psychiatric counseling and to primary care physicians for medications. Much time is spent by staff in addressing insurance issues such as pre-authorization or denials of payments. There are also efforts made to obtain help from pharmaceutical companies if medications are not covered.

The committee reviewed and revised the **policies for psychosocial distress and chemotherapy safety in 2018**. The committee continues to report to the Patient Care Assessment Committee of the hospital on five indicators, time between abnormal mammogram and biopsy; time between biopsy to surgery in breast cancer, outmigration of breast cancer patients; DVT/PE in patients with ports in oncology and no show rate in oncology.

A Year in REVIEW

Cancer Conferences are held monthly during 2018, are organized by the Department of Pathology and assemble a multidisciplinary group, including medical oncologists, radiologists, surgeons, radiation oncologists, pathologists, primary care physicians, oncology nurses, the cancer registrar and other specialists, to discuss the diagnosis and treatment of patients with malignancies. Over the course of the year, an attempt is made to include a wide variety of anatomic sites and to discuss both the frequent cancer types as well as unusual malignancies.

Cancer Conferences provide an important interdisciplinary forum for arriving at decisions regarding patient diagnosis and treatment and also serve as a source of education for the medical staff and other members of the hospital team. Attending physicians are encouraged to notify a member of the Department of Pathology regarding suggested cases for presentation.

Members of the committee continue to attending the End of Life committee at the hospital monthly and update the committee on any hospice or palliative care issues.



WORDS OF INSPIRATION

**Bella & Jack Robidoux,
Bella - Colon Cancer Survivor,
Jack - Skin Cancer Survivor**

You have got to keep a good feeling that you are definitely going to get better.

– Bella

The mind does have an effect on the body - if you have a sour-puss mood, or a negative, it will affect your body too. – Jack

Cancer Registrar's Report

The Holyoke Medical Center Cancer Registry continues to report close to 300 new diagnoses of malignancy each year. Rapid quality reporting continues in 2018 for breast and colorectal cancer cases. These cases need to be reported to the National Cancer Database within three months of diagnosis and treatment monitoring done until completion through a dashboard software system. Future plans are to include more malignancies in this program.

A current follow up rate of 93% is maintained on all cases, with a 92% follow up rate for cases diagnosed within the past five years. Cooperation of physicians and their office staff is of vital importance to the success of cancer follow-up and continuity of care. Their efforts are greatly appreciated.

The Cancer Registry utilizes the Metriq software system to provide a broad range of cancer data, representing patients, diagnoses, treatment methods and outcome. With the advent of the electronic medical record and Webex sessions, learning software updates has been made easier, along with the retrieval of cancer data. The registrar also coordinates the breast cancer center program and breast cancer clinical trials in conjunction with

the University of Nebraska's Breast Cancer Cooperative Registry (BCCR) which seeks to develop a breast cancer registry to include biological material which may be used in the future for the development of a breast cancer vaccine.

The Registry saw many requests for information in 2018. These requests were from staff physicians, as well as external groups requesting participation in different studies. Registry information was utilized by administration in their efforts to assess patient care for improvements. Physicians and staff are urged to utilize the Registry's information for studies of their own interest at any time.

The cancer registrar participated in the North American Association of Cancer Registrars webinars in February, March and June on staging and collecting data on thyroid, esophageal, stomach and adrenal cancer and abstracting and coding 2018 cases.

Lynn M. Downey, MPH, RHIT, CTR
Cancer Registrar/Clinical Trials Coordinator



2018 Cancer Committee

The Cancer Committee provides leadership for the Holyoke Medical Center Cancer Program. Individuals committed to the care, education and support of the cancer patient strive to provide optimal cancer care.

* Robert Byrne, M.D., *Hematology/Oncology*

Karen Crevier-Estes, R.N., *Quality Improvement*

* Colleen Desai, R.N., V.P., /Michael Houff, *Administration*

* Lynn Downey, MPH, RHIT, CTR, *Cancer Registrar/Clinical Trials Coordinator*

* Renuka Dulala, M.D., *Oncology*

* Erin Hurlburt, R.N., *Oncology*

Rebecca MacGregor, *Marketing*

* Francis Martinez, M.D., *General Surgery, ACOS Cancer Liaison*

* Zubeena Mateen, M.D., *Chairman, Breast Cancer Committee, Hematology/Oncology*

Theresa McAndrew, R.D., *Nutritional Services*

Patrick McIntyre, *Oncology*

* Laura O'Connor, L.S.W., *Oncology*

* Deborah Panitch, M.D., *General Surgery*

* Scott Stylos, M.D./Thomas Buck, M.D., *Pathology*

* Steven Urbanski, M.D., *Radiology*

* indicates Breast Cancer Committee members

Additional members of the Breast Cancer Committee include:

Nancy Almeyda, *Women's Center*

Dianne Walsh, R.T.R.M., *Women's Center*



Cancer Treatment At HMC

The Cancer Program Annual Report is a summary of the cancer experience at Holyoke Medical Center for 2018. The information used in this report is gathered from the Cancer Registry and activities of the Cancer Committee, which serve to improve the quality of cancer care. This report is provided as a source of reference to the hospital and its medical staff.

CANCER PROGRAM:

Holyoke Medical Center has maintained a cancer program since 1977 and currently utilizes a reference date of January 1, 2005 for its database. This has been managed according to the requirements set forth by the American College of Surgeons' Commission on Cancer for a community hospital. Approval status affirms that the hospital provides a full range of services for the diagnosis and treatment of cancer.

CLINICAL PROGRAM:

All cancer patients admitted to Holyoke Medical Center have access to consultative services by a member of the medical staff. This represents a variety of medical and surgical specialties, radiology, laboratory and other ancillary services, which provide optimal diagnostic and staging techniques. Inpatient and outpatient oncology services at Holyoke Medical Center are directed by oncologist, Zubeena Mateen, M.D. Oncology referrals are made to other areas, such as Boston, New Haven, New York or the National Cancer Institute for experimental or newer types of cancer treatment. The hospital's breast cancer center was the first center in western Massachusetts accredited by the National Accreditation Program for Breast Centers (NAPBC).

CLINICAL TRIALS:

The Adjuvant Online software program provides current information on cancer management, including treatment advances, clinical trials on each cancer, as well as physicians and organizations that provide care to cancer patients. The latest patient management guidelines are available for physicians on the National Comprehensive Cancer Network. The American Cancer Society provides a clinical trials matching program brochure in the information resource library located in the oncology department. The hospital participates in breast cancer clinical trials in cooperation with the University of Nebraska Medical Center.



CANCER CONFERENCES:

Cancer Conferences are generally held on the last Thursday of the month. Cancer Conferences provide continuing medical education and are available as a consultative service. Open discussions are encouraged among primary care physicians, pathologists, surgeons, radiation oncologists, radiologists and medical oncologists.

PROFESSIONAL DEVELOPMENT:

Programs are offered each year for continuing medical education and other related benefits to all members of the Medical Staff and other health care professionals. This ensures the constant access to new developments and updates in cancer care. This year's professional development included lectures on the following subjects:

- Cancer Genetics-Extended Panel Testing
- Overview of Hospice Services
- Treatment of Breast Cancer in Older Women
- 3D Mammography/Intact Breast Biopsy Device
- Karyotyping
- The Palpable Breast Lump: Diagnostic Evaluation and Outcomes
- Amyloidosis
- Anal Carcinoma
- Lung Cancer Screening
- High Risk Breast Lesions
- Ototoxicity in Chemotherapy

WORDS OF INSPIRATION

**Brian Dunne,
Stage 4 Skin Cancer Survivor**

Just keep doing what you are doing. You will beat this. Just keep fighting, you will win!

PUBLIC EDUCATION:

Screenings

Cancer screenings allow for early detection of some types of cancer. Holyoke Medical Center is dedicated to this early detection. We provide annual public screening clinics to the general public and hospital employees for the following types of cancer during the months listed:

March	Colon Cancer Screening
May	Skin Cancer Prevention
September	Prostate Cancer Prevention
October	Breast Cancer Screening
<i>Ongoing</i>	Smoking cessation workshop
<i>Ongoing</i>	Lung Cancer Screening

Health Fairs

In 2018, the men’s health fair was done in June and provided blood pressure checks and scheduling for colonoscopies. A pharmacist was also available for those who brought their medications and questions. Lectures were held on orthopedics, hospice/VNA, men’s response to trauma and urologic health.

The staff of Holyoke Medical Center makes themselves available for other community events. In 2018, events were done at senior centers, veterans’ events and downtown health centers to distribute educational materials on cancer. Participation at local health care events was done.

Breast Cancer Awareness

Each October, Holyoke Medical Center promotes Breast Cancer Awareness month in several ways. A breast cancer screening was held in the oncology department every Friday in October. Participants in the breast cancer screening are provided with written information, breast self-exam instructions, and breast exams by a physician. Participants also have the opportunity to make an appointment for a mammogram. Breast cancer awareness is recognized throughout the month of October with events like breast cancer awareness tee shirts, Pink Glove Day and Wear Pink to Work Day.

Awareness Through Media

Holyoke Medical Center is dedicated to providing information to the community and making the community aware of healthcare news that may help or affect its members. For this reason, multiple physicians provide interviews with the media on cancer whenever requested which appeared on television or in a written format. These interviews are then shared through social media outlets, such as Facebook.



Cancer Support Groups

Spanish Support Group-This support group is geared toward Latina women recently diagnosed with breast cancer and for survivors of breast cancer. The group is bilingual.

Cancer Support Group-This support program is open to all cancer patients and their families and caregivers. Sponsored through Holyoke Medical Center's Oncology Department, this group meets monthly. The support groups offer many different topics during the year.

Hospice support Group-This group started in 2015 and includes a bereavement counselor who discusses the many different responses to grief and handling unfamiliar or new responsibilities. Members are able to share stories with each other about coping skills.

Cancer Survivorship

A cancer survivor recognition luncheon was held in June. A motivational speaker entertained the crowd. This is an annual event to celebrate cancer survivors. The luncheon included speakers from the hospital and community, some of whom are cancer survivors.

American Cancer Society

Each year Holyoke Medical Center participates in events in association with the American Cancer Society such as the Look Good...Feel Better program.

Hospice

Holyoke Medical Center has an affiliation with Holyoke VNA Hospice Life Care. Physicians are encouraged to recommend hospice services which can be initiated in as much as a six month time frame. There are also patients who go on and off hospice periodically.

Breast Cancer Center

The hospital is accredited by the National Accreditation Program for Breast Centers. Accreditation ensures that a multidisciplinary, integrated and comprehensive breast care service is maintained at the hospital. This will provide internal and external assessment of the breast center performance based on recognized standards to demonstrate a commitment to quality care.

WORDS OF INSPIRATION

**Cheryl Giedrowicz,
Hodgkin Lymphoma & Esophageal Survivor**

Don't give up. No matter what – just keep pushing along.

Cancer Frequency at Holyoke Medical Center

Total cancer frequency at Holyoke Medical Center usually averages 250 new cases annually. The most common malignancy seen in 2017 was breast cancer at 28%, followed by prostate cancer at 16% and lung cancer at 12%.

2017 FREQUENCY OF CANCER BY PRIMARY SITE

(265 Analytic cases) (45 Non-analytic cases)

PRIMARY SITE	# OF CASES	PERCENTAGE
Breast	74	28%
Prostate	43	16%
Lung	31	12%
Colorectal	30	11%
Bladder	16	6%
Hematological	12	4%
Endometrium/Cervix/ Ovary/Vulva	11	4%
Lymphoma	11	4%
Kidney	10	4%
Esophagus/Stomach/ Small Intestine	6	2%
Liver/Gallbladder/Bile Duct	5	2%
Pancreas	5	2%
Head/Neck	3	1%
Sarcoma	3	1%
Melanoma	2	1%
Thyroid	2	1%
Anus	1	1%
Total Cases	265	100%



Renuka Dulala, M.D.
Oncologist

BREAST CANCER STUDY

The American Cancer Society estimated that in the United States 252,710 new cases of breast cancer will be diagnosed in 2017. Of those cases, 5,940 will be diagnosed in Massachusetts. Estimated deaths from breast cancer in 2017 are 40,610. Breast cancer is the most common cancer diagnosed in women in the U.S..

The relative 5-year survival rate at Holyoke Medical Center for 301 cases of breast cancer diagnosed between 2007-2012 is 98%. The national relative 5-year survival rate for breast cancer according to the American Cancer Society is 90%.

Localized stage of disease (Stage 0, I, II) was noted to be 79% of cases. Nationally, 61% of cases present at diagnosis with a localized stage.

HMC BREAST CANCER -STAGE OF DISEASE

(302 cases diagnosed 2007-2012)

Stage 0	26%
Stage I.....	52%
Stage II.....	1%
Stage III.....	15%
Stage IV	5%
Unknown.....	1%

**Breast Cancer Relative 5-Year Survival
(302 cases Dx. 2007-2012)**



HMC BREAST CANCER-INITIAL TREATMENT

(302 cases diagnosed 2007-2012)

Chemotherapy alone	1
No treatment	7
Surgery alone	54
Surgery/Chemotherapy	21
Surgery/Radiation	24
Surgery/Radiation/Chemotherapy	19
Hormonal alone	7
Radiation/Hormonal	3
Surgery/Chemotherapy/Hormonal	14
Surgery/Hormonal	36
Chemotherapy/Hormonal	1
Surgery/Radiation/Hormonal	84
Surgery/Radiation/Chemotherapy/Hormonal	31



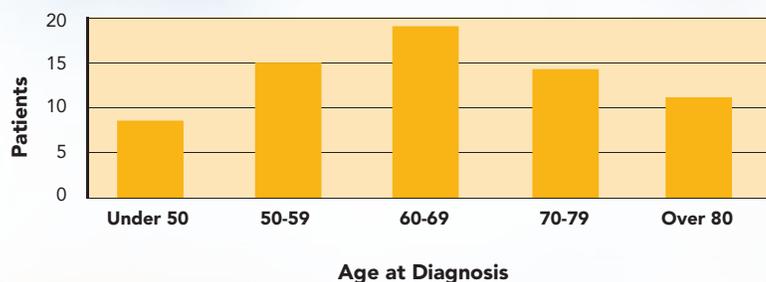
The largest treatment group for breast cancer at Holyoke Medical Center is combination of surgery/radiation/hormonal therapy.

2017 BREAST CANCER

(67 analytic cases)

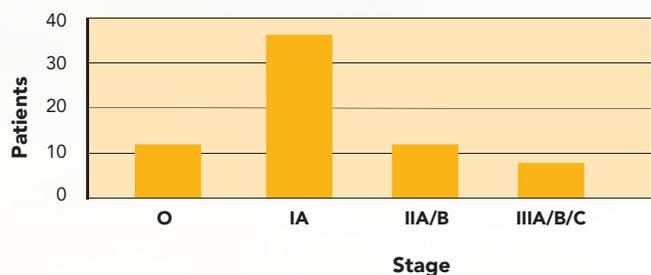
In 2017, there were 67 new cases of breast cancer diagnosed. The largest age group was the 60-69 years of age.

**HMC Breast Cancer Age at Diagnosis 2017
(67 Cases)**



The largest stage group was Stage IA.

**HMC Breast Cancer 2017 Stage at Diagnosis
(67 Cases)**



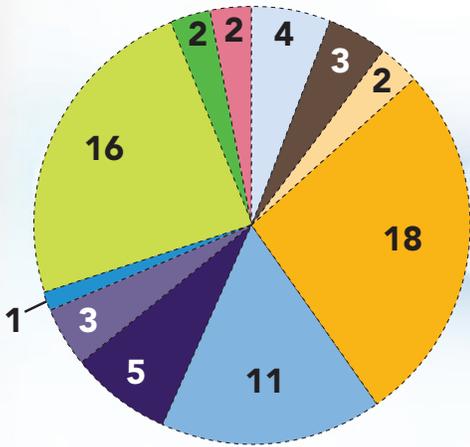
The largest treatment group is Surgery/Radiation/Hormonal Therapy

WORDS OF INSPIRATION

Mona J. Roberts, Myelodysplastic Syndrome Survivor

Keep a positive attitude, keep busy, find something that interests you that makes you happy.

HMC Breast Cancer 2017 Treatment (67 cases)



S/R/C= Surgery/Radiation/Chemotherapy

S/R= Surgery/Radiation

No tx= No treatment

S/R/H= Surgery/Radiation/Hormonal

S/R/C/H= Surgery/Radiation/Chemotherapy/Hormonal

S= Surgery

S/C/H= Surgery/Chemotherapy/Hormonal

S/H= Surgery/Hormonal

C= Chemotherapy

H= Hormonal

S/R/C/I= Surgery/Radiation/Chemotherapy/Immunotherapy

WORDS OF INSPIRATION

Joyce Mead, Breast Cancer Survivor

I decided that I was going to have a positive attitude about this and I jokingly refer to this as my spa day, because I come here and get waited on hand and foot.

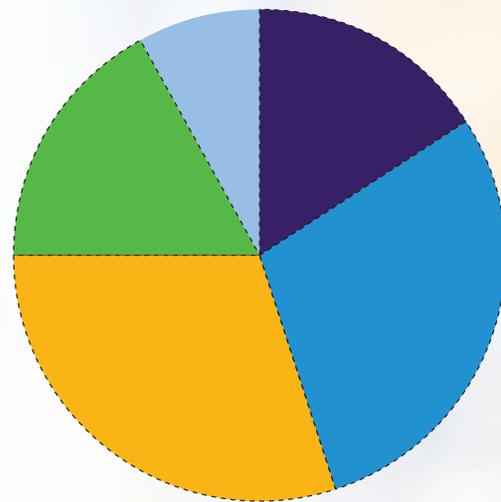
COLON CANCER

The relative 5-year survival rate for 137 colon cancer cases diagnosed between 2007 to 2012 at Holyoke Medical Center is 73%. The national relative 5-year survival rate for colon cancer as per the American Cancer Society is 66%. Stage III is the largest stage group noted at Holyoke Medical Center.

The largest treatment group at Holyoke Medical Center was surgery for 69 patients

Colon Cancer Stage of Disease (137 cases dx 2007-2012)

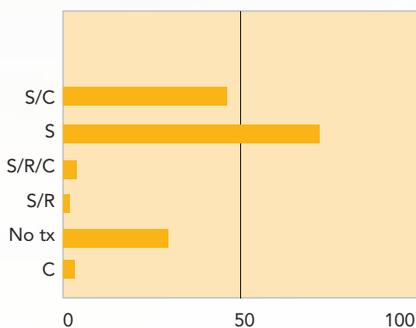
■ Stage I ■ Stage II ■ Stage III
■ Stage IV ■ Stage 0



Colon Cancer Relative 5-Year Survival (137 cases Dx. 2007-2012)



HMC COLON CANCER (137 CASES) DX 2007-2012 TREATMENT



- S/C= Surgery/Chemotherapy
- S= Surgery
- S/R/C= Surgery/Radiation/Chemotherapy
- S/R= Surgery/Radiation
- No tx= No treatment
- C= Chemotherapy

Cancer Program Accreditations at Holyoke Medical Center



National Accreditation Program for Breast Centers

Holyoke Medical Center was the first hospital in Western Massachusetts to successfully complete the National Accreditation Program for Breast Centers.



Breast Imaging Center of Excellence

Holyoke Medical Center has accreditation as a Breast Imaging Center of Excellence by the American College of Radiology.



Breast MRI

Holyoke Medical Center has accreditation in breast magnetic resonance imaging (MRI) by the American College of Radiology.



Breast Ultrasound

Holyoke Medical Center has accreditation in breast ultrasound by the American College of Radiology.



Mammography

Holyoke Medical Center has accreditation in mammography by the American College of Radiology.



Stereotactic Breast Biopsy

Holyoke Medical Center has accreditation in stereotactic breast biopsy by the American College of Radiology.



Lung Cancer Screening Program

Holyoke Medical Center is a designated Lung Cancer Screening Center by the American College of Radiology.



Commission on Cancer of the American College of Surgeons

Accreditation with commendation obtained by Holyoke Medical Center ensures our patients will have access to the full scope of services required to diagnose, treat, rehabilitate, and support patients with cancer and their families. This accreditation reaffirms the commitment to provide quality cancer care to our patients.

REFERENCES:

- American Cancer Society (2018) Cancer Facts & Figures, pgs. 11-15
- Holyoke Medical Center Cancer Registry, Reference Date 2005
- Manual For Staging of Cancer, American Joint Commission on Cancer, Seventh edition, 2010



JUNE 2018
**Annual
Cancer
Survivor's
Luncheon**





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