

The Gastrointestinal Cancer Center



Roswell Park is the only **National Cancer Institute (NCI) designated** comprehensive cancer center in upstate and Western New York.

**Recognized for High Performance
in Colon Cancer Surgery.**



What Sets Us Apart

- **Our high-volume surgical experience** in laparoscopic, robot-assisted, and complex gastrointestinal cancer surgery
- **Robotic and laparoscopic** approaches for esophagectomy, advanced gastric cancer, and liver and pancreas surgery
- **Liver & Pancreas Tumor Center** dedicated to multidisciplinary care for hepatopancreatobiliary cancers
- **Liver-directed therapies** such as microwave ablation, chemoembolism and radioembolism for both destination and bridge-to-transplant therapies
- **Endoscopy Center** that offers advanced procedures such as endoscopic ultrasound and double balloon enteroscopy
- **Patient outcomes** that consistently meet or exceed quality end points and national five-year survival data
- **Robust portfolio of clinical trials** offering the latest approaches in novel chemotherapy, targeted and immunotherapy agents and Peptide Receptor Radionuclide Therapy (PRRT)

The Gastrointestinal Center

Our multidisciplinary team—surgical, medical and radiation oncologists, plus experts in gastroenterology, endocrinology, endoscopy, pathology and diagnostic and interventional radiology—work together to develop individual patient-care strategies using evidence-based guidelines for the following malignancies and associated conditions:

Ampullary and duodenal cancer

Anal cancer

Barrett's esophagus

Colon and rectal polyps and cancer

Cystic pancreatic and liver tumors

Esophageal cancer

Gallbladder and bile duct cancers

Gastric cancer

Liver Cancer

Metastatic tumors to the liver

**Neuroendocrine tumors
(carcinoid and islet cell)**

Pancreatic cancer

Small intestinal tumors

**Inherited familial gastrointestinal
cancer syndromes**

About Roswell Park's Cancer Care & Treatment Center

Our state-of-the-art inpatient and ambulatory facilities and clinics are designed for delivering the latest approaches in cancer care with the highest degree of patient safety and comfort, including:

Chemotherapy & Infusion Center with on-site phlebotomy and pharmacy to ensure expedient lab results and drug delivery; a skilled nursing staff with special training in delivering cancer drugs; and a peaceful, panoramic view of Buffalo's downtown skyline and Lake Erie.

Radiation Medicine department that's the most technologically advanced and comprehensively equipped radiation facility in the region. Our radiation team (radiation oncologists, physicists and dosimetrists) collaborates with the surgical and medical GI oncologists to ensure the patient's radiotherapy plan is optimally coordinated, based on best practices and medical necessity and aligned with the patient's treatment goals.

Unique Capabilities

Roswell Park offers several treatment approaches unavailable elsewhere in the region, including:

Peptide Receptor Radionuclide Therapy (PRRT)
for neuroendocrine tumors

Cytoreductive Surgery/HIPEC for colorectal cancer, appendiceal adenocarcinoma, DPAM, peritoneal mesothelioma

Gamma Knife Radiosurgery for metastases to the brain

Intraoperative radiotherapy to ensure clear margins with tumor excision

NanoKnife ablative procedures for unresectable or difficult-to-reach liver and pancreas tumors

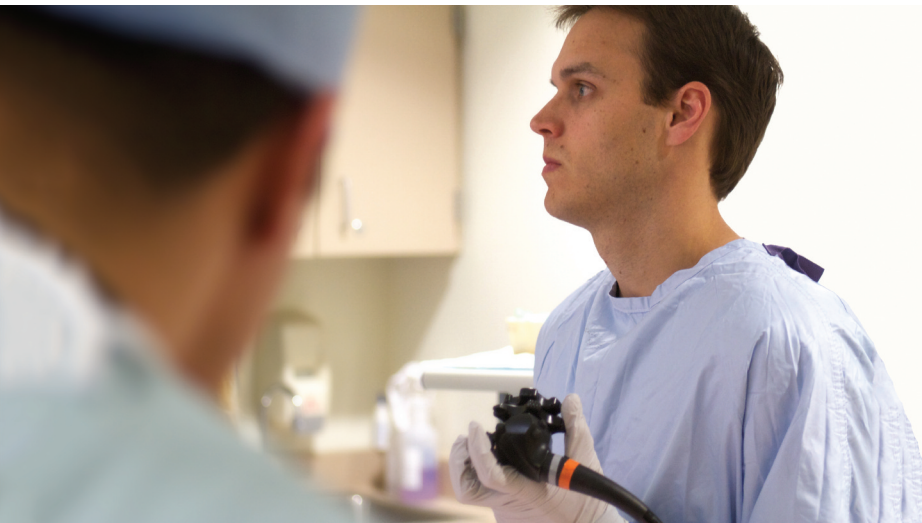
Radioembolization (SIR-Spheres or Theraspheres) for unresectable liver tumors

Photodynamic Therapy for a nonsurgical approach to Barrett's esophagus and early malignancy

The Endoscopy Center

This multipurpose center brings together our advanced endoscopy services into one modern facility with five treatment suites equipped with the latest technology for endoscopic procedures.

We offer minimally invasive options for diagnosis, biopsy and treatment of gastrointestinal conditions, including some services unavailable elsewhere in the region. On-site pathology within the center can provide immediate, mid-procedure review and diagnosis.



Our services include:

- Endoscopic ultrasound (EUS)
- Endoscopic retrograde cholangiopancreatography (ERCP)
- Endoscopic vacuum-assisted sponge therapy
- EUS-guided fine needle aspiration and EUS-assisted ERCP
- Electrohydraulic lithotripsy of complex bile duct stones
- Colonoscopy and Cholangioscopy
- Radiofrequency ablation
- Enteral stenting
- Endoscopic drainage of pancreatic pseudocysts
- Capsule endoscopy
- Double balloon enteroscopy
- Endoscopic mucosal resection
- Photodynamic therapy (PDT)

We conduct specialized, multidisciplinary tumor boards specific to gastroesophageal, hepatopancreatobiliary and colorectal cases.

HIGH-RISK COLORECTAL AND PANCREATIC CANCER SCREENING

We offer a personalized, multidisciplinary approach to screening, surveillance and prevention for patients at high risk for colorectal and pancreatic cancer due to personal or family history of:

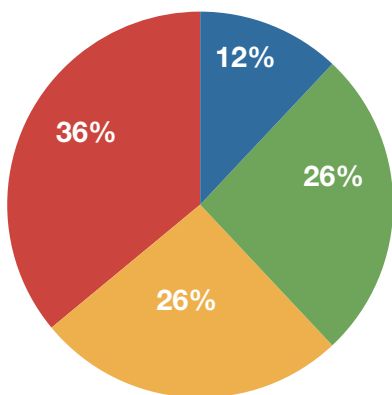
- ✓ Hereditary cancer syndromes
- ✓ Early onset polyps or cancer diagnosis
- ✓ High number or rare types of polyps

Our program includes:

- ✓ Genetic counseling and testing
- ✓ Testing for related cancers such as thyroid, breast and gynecologic disease
- ✓ Pathology analysis, including immunohistochemical staining and testing microsatellite instability for mismatch repair protein deficiency and BRCA2
- ✓ Preventive options such as chemoprevention or prophylactic surgery

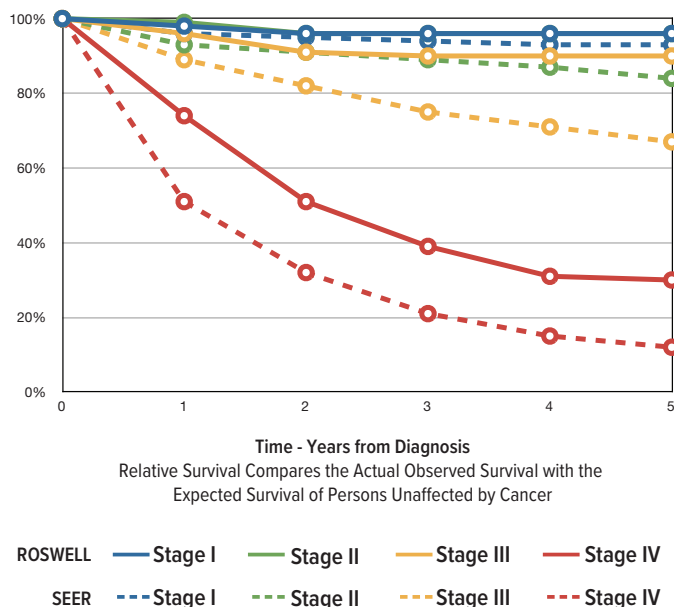
Colon Cancer

AJCC Stage Group, Colon Cancer



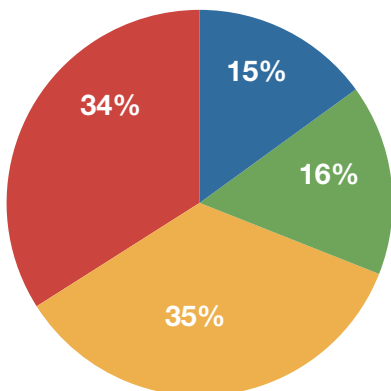
■ Stage I ■ Stage II ■ Stage III ■ Stage IV

Survival Data
Five-Year Colon Cancer Survival, Stages I, II, III, IV
Cases Diagnosed (2006-2013)



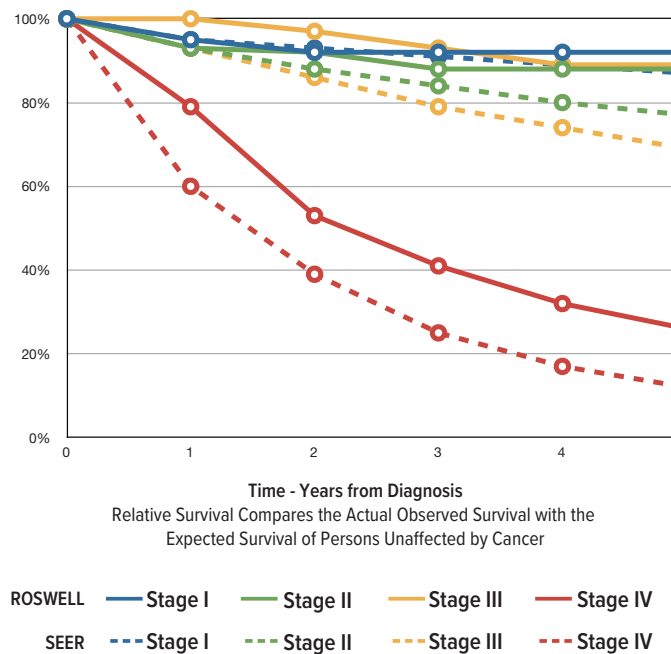
Rectal Cancer

AJCC Stage Group, Rectal Cancer



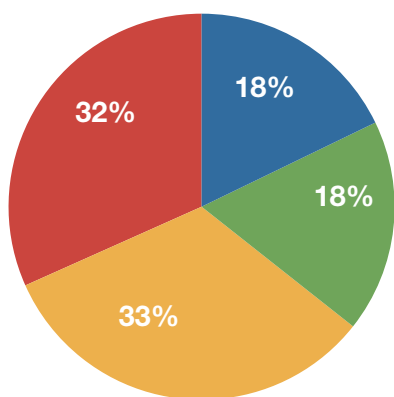
■ Stage I ■ Stage II ■ Stage III ■ Stage IV

Survival Data
Five-Year Rectal Cancer Survival, Stages I, II, III, IV
Cases Diagnosed (2006-2013)



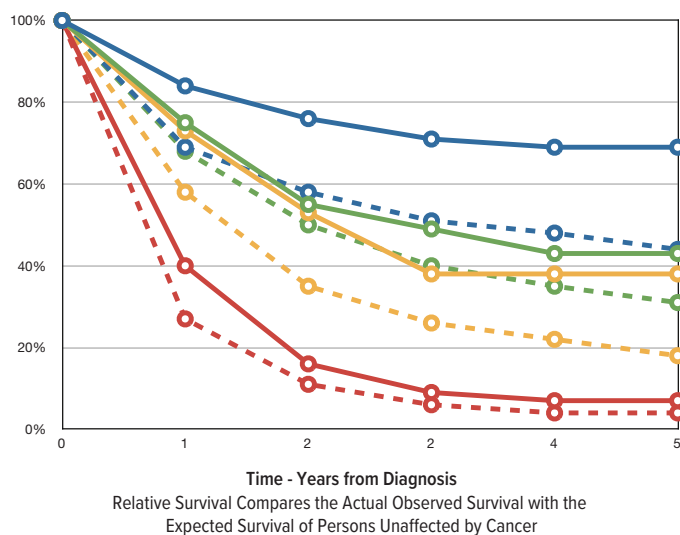
Esophageal Cancer

AJCC Stage Group, Esophageal Cancer
Cases Diagnosed (2014-2015)



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

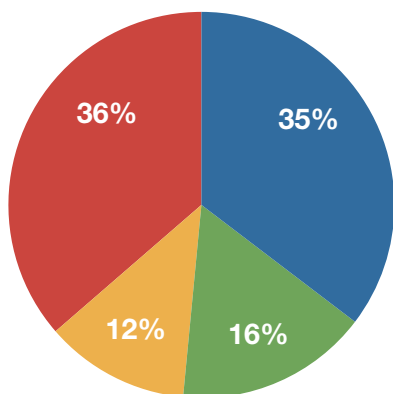
Survival Data
Five-Year Esophageal Cancer Survival, Stages I, II, III, IV
Cases Diagnosed (2006-2013)



ROSWELL — Stage I — Stage II — Stage III — Stage IV
SEER - - - Stage I - - - Stage II - - - Stage III - - - Stage IV

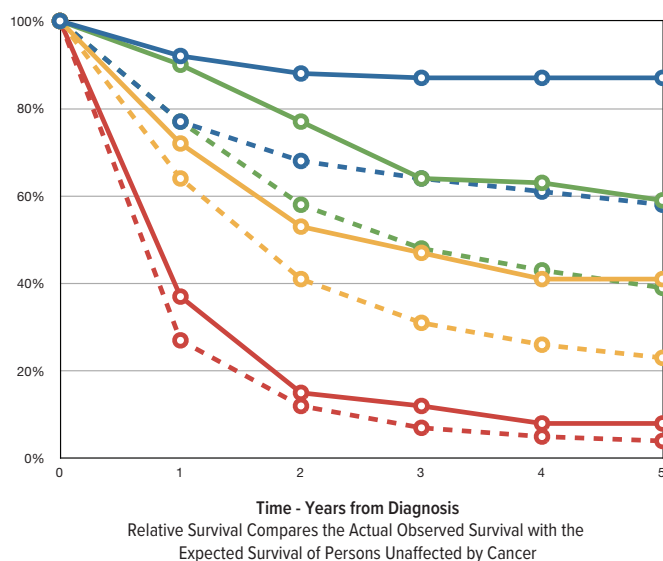
Stomach Cancer

AJCC Stage Group, Stomach Cancer
Note: Stage at diagnosis for CY 2014-2015



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

Survival Data
Five-Year Stomach Cancer Survival, Stages I, II, III, IV
Cases Diagnosed (2006-2013)

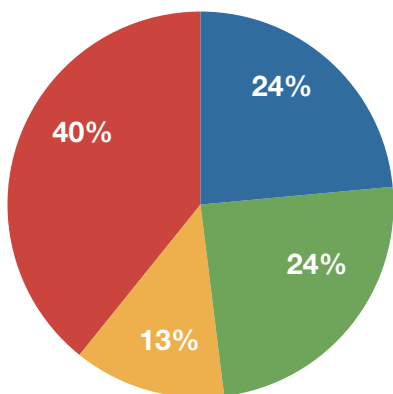


ROSWELL — Stage I — Stage II — Stage III — Stage IV
SEER - - - Stage I - - - Stage II - - - Stage III - - - Stage IV

Pancreatic Cancer

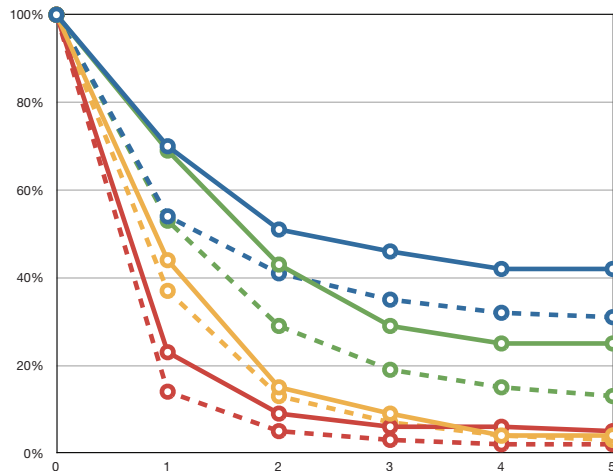
AJCC Stage Group, Pancreatic Cancer

Note: Stage at diagnosis for CY 2014-2015



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

Survival Data Five-Year Pancreatic Cancer Survival, Stages I, II, III, IV Cases Diagnosed (2006-2013)



Time - Years from Diagnosis

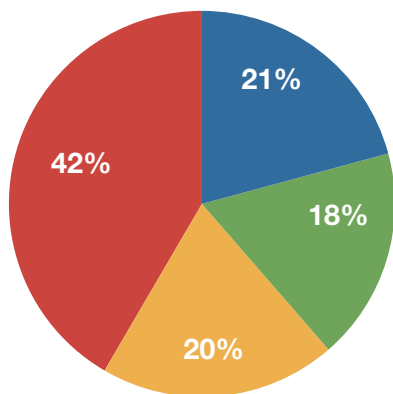
Relative Survival Compares the Actual Observed Survival with the Expected Survival of Persons Unaffected by Cancer

ROSWELL — Stage I — Stage II — Stage III — Stage IV
SEER - - - Stage I - - - Stage II - - - Stage III - - - Stage IV

Liver Cancer

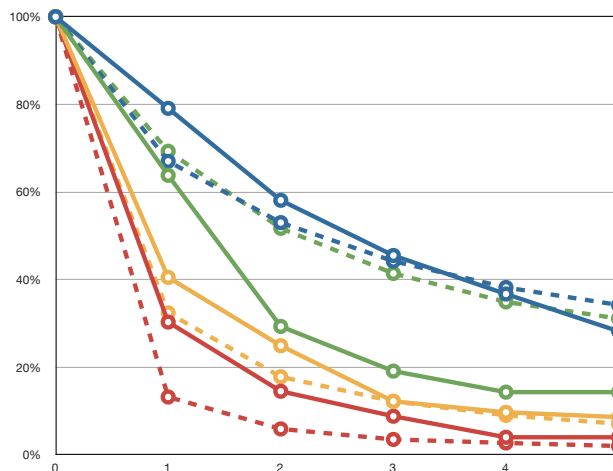
AJCC Stage Group, Liver Cancer

Note: Stage at diagnosis for CY 2014-2015



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

Survival Data Five-Year Liver Cancer Survival, Stages I, II, III, IV Cases Diagnosed (2006-2013)



Time - Years from Diagnosis

Relative Survival Compares the Actual Observed Survival with the Expected Survival of Persons Unaffected by Cancer

ROSWELL — Stage I — Stage II — Stage III — Stage IV
SEER - - - Stage I - - - Stage II - - - Stage III - - - Stage IV



Supportive Care

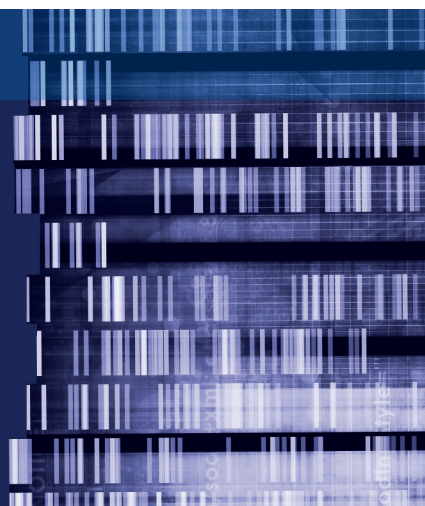
We surround our patients and their families with other important care services to help maximize the benefit of cancer treatment, promote healing, relieve cancer's burden and aim for a higher level of lifelong wellness. These services include:

- **Nutrition Services** throughout the care continuum to assess and improve individual nutrient needs, provide strategies for nausea, constipation, taste changes, difficulty chewing and swallowing, and resist loss of muscle mass.
- **Supportive & Palliative Care Center** to address pain and other physical symptoms, improve quality of life and ease anxiety and emotional distress.
- **Rehabilitation Center** to combat treatment-related side effects such as pain and neuropathy, and maximize strength, mobility and function before, during and after surgery or other cancer treatment.
- **Survivorship & Supportive Care Center** to provide medical and preventive care, surveillance and screenings, symptom management, and social support and guidance for our patients who have completed active treatment.

CLINICAL GENETICS SERVICES

Our team of board-certified medical genetic counselors will review your patient's personal and family history to determine individual hereditary cancer risk assessment. Other services include:

- **Genetic testing using multi-gene panels**
- **Options for prevention, surveillance and screening**
- **Guidance regarding risk in family members**



Meet the Team



Surgical Oncology

- 1 Steven Hochwald, MD, MBA
- 2 Boris Kuvshinoff, MD, MBA
- 3 Moshim Kukar, MD
- 4 Gary Mann, MD
- 5 Steven Nurkin, MD, MS
- 6 Roderich Schwarz, MD, PhD

Medical Oncology

- 7 Patrick Boland, MD
- 8 Amy Early, MD, FACP
- 9 Christos Fountzilas, MD
- 10 Renuka Iyer, MD

Radiation Oncology

- 11 David Mattson, MD

Gastroenterology

- 12 Andrew Bain, MD
- 13 Kevin Robillard, MD

Diagnostic & Interventional Radiology

- 14 Michael Petroziello, MD
- 15 Charles Roche, MD
- 16 Garin Tomaszewski, MD

Nuclear Medicine

- 17 Dominick Lamonica, MD

Surgical Pathology

- 18 Charles LeVea, MD
- 19 Kazunori Kanehira, MD
- 20 Theresa Smith, DO

Endocrinology

- 21 Rajeev Sharma, MBBS, MD, FACE

Refer a Patient

Call us today to discuss a case,
confirm a diagnosis or refer a patient.
716-845-RPMD (716-845-7763)

COMMUNITY CARE CENTER PHYSICIANS

**Breast Care of
Western New York**
Melissa Hughes, MD
Mariola Poss, MS, FACS

**Roswell Park Hematology
Oncology Northtowns**
Saif Soniwalla, MD
Frederick Hong, MD
Adam Kotowski, MD
Michael Krabek, MD, PhD
Bhuvana Ramkumar, MD

**Roswell Park Hematology
Oncology Southtowns**
Isosceles Garbes, MD

**Jamestown Medical
Oncology & Hematology**
Jairus Ibabao, MD

**Roswell Park Hematology
Oncology of Niagara**
Bhuvana Ramkumar, MD



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*Your patient may prefer to receive cancer care closer to home at one
of Roswell Park's community practices at these convenient locations.*