2012 Cancer Program Quality Improvements

- **Breast Cancer Program successful recruitment** of Dr. Elizabeth D. Feldman, a fellowship trained breast surgeon specializing in nipple sparing mastectomy, oncoplastic breast conservation, and patients who are high risk for developing breast cancer.

- **Breast Imaging Same Day Mammograms** for same day appointments from the Reston Hospital Imaging Center to the Reston Breast Care Specialists. The mammogram and/or breast ultrasound appointments are coordinated to allow the patient time to have all pertinent imaging done prior to seeing the Breast Surgeon for consultation.

- Developed **Surgical Educational Packets** for breast cancer patients that are distributed at the surgical consultation. The packets are specific to each type of breast surgery and procedure that is being performed.

- **Initiated “Friends Like Me”** a monthly support group for long term breast cancer survivors.

- **Implementation of the CADD Pump** to administer continuous chemotherapy to RHC Infusion patients

- **Chemotherapy Embolization** procedures in Interventional Radiology began

- Purchase of the 2nd **daVinci Robot** for minimally invasive surgical procedures

- Completed a **Quality of Life Survivorship Study** to identify breast cancer survivorship concerns and topics of interest for education and resource development
## 2012 Prevention Programs

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Location</th>
<th>Type of Program</th>
<th>Type of Cancer Focus</th>
<th>Number of participants</th>
<th>Resources used for evidence based national guidelines</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/14/12</td>
<td>Reston YMCA</td>
<td>Educational/Cancer Awareness</td>
<td>Breast</td>
<td>16</td>
<td>ACS</td>
<td>Breast Model used to demonstrate breast self exam; literature distributed</td>
</tr>
<tr>
<td>4/13/12</td>
<td>Reston Hospital</td>
<td>Health Fair EXPO</td>
<td>Skin</td>
<td>150</td>
<td>ACS Melanoma</td>
<td>Skin Scanner to show sun damage on face and neck; sunscreen samples distributed</td>
</tr>
<tr>
<td>5/12/12</td>
<td>Greater Reston Arts Center</td>
<td>Spirit of Women “Marvelous, Magnificent Me-Celebrating &amp; protecting What Makes Us Women”</td>
<td>GYN cancers</td>
<td>50</td>
<td>ASC NCI</td>
<td>Presentation to attendees about prevention and early detection of women’s gynecological cancers; Discussion on treatment options including minimally invasive procedures</td>
</tr>
<tr>
<td>10/20/12</td>
<td>RITZ-Tysons</td>
<td>Spirit of Women “Girls Day Out”</td>
<td>Breast Skin</td>
<td>200</td>
<td>ACS Melanoma ABC Breast Health ACS Slip, Slap, Slop</td>
<td>Skin Scanner to show sun damage on Face and neck; 57 women were screened; sunscreen samples distributed</td>
</tr>
<tr>
<td>Date</td>
<td>Event Location</td>
<td>Type of Program</td>
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<td>Number of participants</td>
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</tr>
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<td>------------</td>
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<td>------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2/22/12</td>
<td>Loudoun Free Clinic</td>
<td>Well Woman</td>
<td>Cervical</td>
<td>8</td>
<td>ACS</td>
<td>Worked with the clinic to provide exams and cervical screenings; 7 patients require further workup, 1 was referred to University of Virginia for follow up</td>
</tr>
<tr>
<td>11/04/12</td>
<td>Community Health Fair</td>
<td>Cooper Middle School</td>
<td>Skin</td>
<td>62 Skin Scanner</td>
<td>ACS Skin Analyzer, Be Sun Safe, If UR 50 or Older</td>
<td>Dr. K. Maggio performed screening; 47 exposed skin screenings with 2 requiring follow up with dermatologists</td>
</tr>
</tbody>
</table>
The Cancer Registry is an essential component of the Cancer Program, maintaining a data collection system designed to assess the occurrence, treatment, extent of disease and outcomes of each cancer patient seen at Reston Hospital Center.

The registry is responsible for coordinating efforts for maintaining all of the essential cancer program standards required by the American College of Surgeons Commission on Cancer, in addition to meeting state and national cancer reporting requirements.

Reston Hospital Center Cancer Registry data is included in the National Cancer Data Base (NCDB), which is a nationwide oncology outcomes database designed to explore trends in cancer care, to create regional and state benchmarks for hospitals and to serve as the basis for quality improvements.
The Cancer Registry database currently contains 11,212 cases diagnosed since the inception of the Cancer Program in 1988.

Patients and physicians take part in a lifetime follow-up service designed to monitor patient progress and serve as a reminder for routine medical surveillance. This service is critical in determining trends in cancer care outcomes and survival.

The registry is actively following more than 8238 patients, with a successful follow-up rate of 99 percent.
A total of 739 cases were accessioned into the registry in 2012.

Approximately 86 percent of those were newly diagnosed and/or treated cases, while the remaining 14 percent were treated for recurrent and/or persistent disease.

There were 41 cancer conferences held with presentations of 244 prospective cases. These cancer conferences included the specialties of Breast, Thoracic and Urology in addition to the General Cancer Conferences.
Melanoma is a type of skin cancer. It is the less common form but according to the Skin Cancer Foundation (2013) “Melanoma is the most dangerous form of skin cancer.”

The American Cancer Society estimated that about 70,230 new melanomas would be diagnosed in the Unites States for 2011 (about 40,010 in men; 30,220 in women). About 8,790 people in the United States were expected to die of melanoma during 2011.

Treatment for melanoma depends on how easily it is detected, or if the melanoma has spread.

The following slides represent a review of the 2010 – 2012 newly diagnosed and/or treated melanoma cases seen at Reston Hospital Center.

A community outreach program for prevention and screening was available to the community in 2012.

The prevention and screening guidelines recommended by the American Cancer Society for melanoma was used in planning this activity.
Number of melanoma cases in Reston Hospital Cancer Registry

Total Cases

Analytic cases
Reston Hospital Center
Melanoma Cases by Stage 2010-2012

![Bar chart showing melanoma cases by stage from 2010 to 2012.](chart.png)
Majority of the patients diagnosed and/or treated at Reston Hospital Center are 60-69 years of age when diagnosed with Melanoma.
There were more males diagnosed and/or treated at Reston with Melanoma than females. Majority of the males with Melanoma were diagnosed at an earlier stage than females.
The majority of the patients were treated with surgery alone. However some patients required radiation therapy after surgery.
This chart shows the melanoma survival rates as seen at Reston. Stage 1 and Stage III melanomas have the same survival rates. Those stage 0 and II patients that died ended up dying of other causes.
<table>
<thead>
<tr>
<th>#</th>
<th>Stage</th>
<th>My (N)</th>
<th>Oth. (N)</th>
<th>My (%)</th>
<th>Oth. (%)</th>
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<tbody>
<tr>
<td>1.</td>
<td>0</td>
<td>67</td>
<td>229</td>
<td>38.29%</td>
<td>24.95%</td>
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<tr>
<td>2.</td>
<td>I</td>
<td>59</td>
<td>327</td>
<td>33.71%</td>
<td>35.62%</td>
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<td>3.</td>
<td>II</td>
<td>10</td>
<td>108</td>
<td>5.71%</td>
<td>11.76%</td>
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<tr>
<td>4.</td>
<td>III</td>
<td>7</td>
<td>58</td>
<td>4%</td>
<td>6.32%</td>
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<tr>
<td>5.</td>
<td>IV</td>
<td>8</td>
<td>59</td>
<td>4.57%</td>
<td>6.43%</td>
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<tr>
<td>6.</td>
<td>NA</td>
<td>3</td>
<td>17</td>
<td>1.71%</td>
<td>1.85%</td>
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<tr>
<td>7.</td>
<td>UNK</td>
<td>21</td>
<td>120</td>
<td>12%</td>
<td>13.07%</td>
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</tbody>
</table>

Col. TOTAL: 175 | 918 | 100% | 100%