



2019 Annual Report

Message from Leadership

In November 2019, Scotland Cancer Treatment Center has received a 3-year accreditation by Commission on Cancer - The American College of Surgeons, which ensures we have a comprehensive, high quality and multidisciplinary, and patient centered cancer care program. We are dedicated to improving survival and quality of life for cancer patients through adherence to high standards for treatment, prevention, research, education and monitoring of our cancer program.

Our affiliation and partnership with Duke Cancer Network continues to be strong, providing world-class care close to home by having Duke physicians and Advanced Practice Providers.

We are very excited to about our new Radiation Oncologist, Dr. Norleena Gullett, Radiation Oncologist and Medical Director for our Duke radiation department. In addition to her experience in standard radiation oncology treatments, Dr. Gullett is trained in the placement of SpaceOAR, a hydrogel placement for prostate cancer patients. SpaceOAR hydrogel acts as a protective spacer between the prostate and the rectum and has been clinically proven to reduce the risk of side effects during and after radiation treatment which leads to improved quality of life, for most patients who receive the treatment.

“We are very proud to be the first in our region to offer this innovative procedure to the patients within our communities and Dr. Gullett’s years of experience and expertise in addition to implementing the SpaceOAR procedure here, this aligns with Scotland’s mission to offer better and closer care right here in Laurinburg.” says Cheryl Davis, M.D., Senior Vice President of Medical Affairs, Chief Medical Officer of Scotland Health Care System.

Dr. Gullett will also continue the close relationship with Duke Radiation Oncology as 100% of new patient cases are presented and reviewed by Duke Radiation Oncology specialists.

Medical Oncology and Radiation Oncology continue to participate in a robust Tumor Board which meets twice a month to review new cancer cases using a multidisciplinary team approach. Regular participants include Surgeons, Pathologist, Radiologists, Palliative Care physician, Urologist, ENT physician, and Primary Care Providers.

Scotland Health Care System also initiated a Lung Cancer Task Force in May 2019, in collaboration with Duke Cancer Network, to focus on the #1 cancer in our county. This group is charged with developing strategies to reduce lung cancer mortality. “The Lung Cancer Task Force is a tremendous asset to the health care system to create a care continuum around Lung Cancer. It links prevention to screening to treatment. This is a great example that we offer *Closer care that is Better by far*, says Dr. Cheryl Davis, executive sponsor.

Scotland Cancer Treatment Center remains honored to have great support from our community for patient assistance. The Scotland Memorial Foundation enables us to alleviate barriers to care such as transportation, medication expenses, and dental assistance. They also provide funds for our support groups, our wig program and nutritional support services, just to name a few. We could not provide all these services to our cancer patients without the generous support of our community and their donations to our cancer center.

Finally, we are very proud to sponsor several community outreach prevention and screening programs every year, and 2019 was no exception. We thank all the participants who continue to make these programs a success!

Please see our attached 2019 Community Outreach Summary (Standard: 1.8, 4.1, 4.2).

Scotland Health Care System
Community Outreach Coordinator Annual Report 2019
Standard 1.8

Screening Programs – Standard 4.2

Program/ Community Need Addressed	National Guideline	Activities	Date Held	# of participants	Summary of Effectiveness
Annual Men's Health Event	<p>Skin cancer is the most common cancer in the United States. Over 96,000 new cases of melanoma in the US are estimated in 2019 alone. Prevention and early detection are the first steps in the fight against skin cancer. We utilized the ACS guideline.</p> <p>https://www.aad.org/practicecenter/quality/clinical-guidelines/nonmelanoma-skin-cancer</p> <p>https://www.cancer.gov/types/skin/hp/skin-treatment-pdq#_406_toc</p> <p>https://www.ohsu.edu/war-on-melanoma</p>	<p>GOALS: To perform skin cancer checks on at least one-third of the attendees at the Men's Health Event</p> <ol style="list-style-type: none"> 1) Evening of men learning about staying healthy in the summer, screening guidelines and open panel discussion. 2) Dermatology provided free samples of sunscreen to all participants. There was significant lack of education among the population screened and there continues to be the need for more education. 3) Each participant received additional printed information on skin cancer prevention. Each participant received information from the War on Melanoma 	6/27/19	<p>56 men attended the event</p> <p>34 men received a skin cancer screening</p>	<ul style="list-style-type: none"> • 34 men (61%) received a skin cancer screening • 6 men were referred back to their dermatologist for further work-up and biopsy for suspicious skin areas. • 1 man was screened, clinical observation at time of screening was highly suspicious of being cancerous. Patient was sent to be followed up with his established Dermatologist in Charlotte. <p style="text-align: center;"><u>Evaluation & Effectiveness:</u></p> <ul style="list-style-type: none"> ➤ Even men who were seeing Dermatologist regularly had suspicious skin areas. And events like this continue to bring skin cancer awareness to the public ➤ The participation in the screen was very well received by the men who attended the event. ➤ Through this screening, there are a potential of 7 people with a suspicious, cancer-like area noted. ➤ 7 out of 34 (21%) of men screened were identified to have a potential cancerous skin area.

Program/ Community Need Addressed	National Guideline	Activities	Date Held	# of participants	Summary of Effectiveness																												
<p align="center">Annual Women's Health Event</p>	<p>In October 2016, CDC updated HPV vaccination recommendations regarding dosing schedules. CDC now recommends 2 doses of HPV vaccine for people starting the vaccination series before the 15th birthday. Three doses of HPV vaccine are recommended for people starting the vaccination series on or after the 15th birthday and for people with certain immunocompromising conditions. CDC continues to recommend routine vaccination for girls and boys at age 11 or 12 years. The vaccination series can be started at age 9 years. CDC also recommends vaccination through age 26 years for females and through age 21 years for males. Males age 22–26 years may be vaccinated. In addition, we followed the ACS guidelines.</p> <p>https://www.cdc.gov/hpv/index.html</p>	<p>GOALS: The goal of this screening was to determine if the population would have a better understanding of the connection of cancer and HPV virus after an educational presentation.</p> <p>76 attendees completed the HPV Pre-Questionnaire that contained 5 questions:</p> <ol style="list-style-type: none"> 1) HPV Vaccination influences teenage sexual behavior? TRUE or FALSE 2) HPV Vaccination cannot be given past age 15. TRUE or FALSE 3) HPV infection is associated with an increased risk of which of the following cancers? (circle one) <ul style="list-style-type: none"> • Non-Small Cell lung cancer • Ovarian cancer • Head & Neck cancer • Hodgkin's Lymphoma 4) A person with Head & Neck cancer that is positive for HPV virus has a worse prognosis than a non-HPV linked 	<p align="center">04/11/19</p>	<p align="center">94 women attended the event</p> <p align="center">76 women completed the HPV Pre-Questionnaire</p>	<p>Results from HPV Questionnaire:</p> <table border="1" data-bbox="1457 370 1982 483"> <thead> <tr> <th>HPV Pre-Questionnaire</th> <th>20</th> <th>40</th> <th>60</th> <th>80</th> <th>100</th> <th>Total Test Taken</th> </tr> </thead> <tbody> <tr> <td></td> <td>3</td> <td>16</td> <td>33</td> <td>21</td> <td>3</td> <td>76</td> </tr> </tbody> </table> <table border="1" data-bbox="1457 542 1982 646"> <thead> <tr> <th>HPV Post-Questionnaire</th> <th>20</th> <th>40</th> <th>60</th> <th>80</th> <th>100</th> <th>Total Test Taken</th> </tr> </thead> <tbody> <tr> <td></td> <td>1</td> <td>8</td> <td>23</td> <td>33</td> <td>5</td> <td>70</td> </tr> </tbody> </table> <ol style="list-style-type: none"> 1) Pre-questionnaire results: 31% made a score of 80 or grader- missing 2 out of the 5 questions (69% failed) 2) Dr. Helms gave a 20-minute talk with a power point presentation with audience participation with a question and answer session. 3) 70 participants completed a post-test with the questions the same but in a different order and their scores improved. 4) 54% made a score of 80 or grader - missing 2 out of the 5 questions (46% failed). <p>There was a significant lack of education among the population screened and there continues to be the need for more education.</p> <p>Each participant received additional printed information about HPV in their take away bags covering the following CDC topics:</p>	HPV Pre-Questionnaire	20	40	60	80	100	Total Test Taken		3	16	33	21	3	76	HPV Post-Questionnaire	20	40	60	80	100	Total Test Taken		1	8	23	33	5	70
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		<p>Head & Neck cancer patient. TRUE or FALSE</p> <p>5) Which of the following is a reason for not getting the HPV Vaccination? (circle one)</p> <ul style="list-style-type: none"> • Limited Patient understanding of risk of HPV related diseases, especially for boys • Discomfort talking about high risk sexual behavior • Lack of clear recommendation from health care providers • All the above <p>Each participant received additional printed information about HPV in their take away bags covering the following CDC topics:</p> <p>1) 'What is HPV?, HPV and Cancer AND HPV Vaccines HPV Vaccine Safety' https://www.cdc.gov/hpv/parents/whatishpv.html</p> <p>2) CDC Campaign flyers: https://www.cdc.gov/vaccines/partners/downloads/teens/protect-child-hpv-girl-dad-8x11.pdf AND https://www.cdc.gov/vaccines/partners/downloads/teens/vaccine-cancer-boy-soccer-f.pdf</p>		<p>Providers at Scotland Physician Practices (SPN) all received the following information regarding HPV vaccination.</p> <ol style="list-style-type: none"> 1) https://www.cdc.gov/hpv/downloads/Top10-improving-practice.pdf 2) https://www.cdc.gov/hpv/hcp/for-hcp-tipsheet-hpv.pdf <p style="text-align: center;"><u>Evaluation & Effectiveness:</u></p> <ul style="list-style-type: none"> ➤ There were only five questions, and the vast majority missed the same question on the pre and posttests, one that asked about head and neck cancer, when throughout Dr. Helms' talk, he mentioned only tonsil or throat cancer. Participants did not make that connection. ➤ The results of our pretest indicated there was limited knowledge regarding head / neck cancer and the relationship to HPV infection. The fact that Question #3 (which focuses directly on the increase risk for head / neck cancer with HPV infection) was the most commonly missed question on the pre/posttest indicates a need for more direct and repetitive education on this point. It is possible that the multiple anatomic variations of head / neck cancer (e.g. base of tongue verses oral pharyngeal verses lip verse larynx, etc. may have made it more difficult for the participants to understand the relationship with HPV infection. <p style="text-align: center;"><u>Follow up for Future Focus:</u></p> <ul style="list-style-type: none"> ➤ We plan to include an "action question" (i.e. Would you recommend the HPV vaccination to eligible family and friends after attending this event?)
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		<p>3) HPV Vaccine is Cancer Prevention https://www.cdc.gov/vaccines/parents/diseases/teen/hpv-basics-color.pdf</p> <p>4) 'Reasons to get vaccinated': located SCTC /HPV/Reasons to Get Vaccinated</p>			in the future posttests focusing on vaccine related cancer prevention to increase vaccination rates.
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Other Community Outreach

Event	Description	Date Held	# attending	Location
Women's Health Series	A 3- day event. Each event will feature a different topic ("Heart Health & Women's Care", "Diabetes & Nutrition", & "Cancer Awareness") and will have free health screenings, physician presentations with a chance to ask health questions, vendors, light refreshments, goodie bags, door prizes, fellowship, and more!	02/21/19 03/21/19 04/11/19	194	Bennettsville, SC Community Center, Pembroke, NC Berea Baptist Church, Laurinburg, NC Laurinburg Presbyterian Church
Jersey Mike's Day of Giving to support Scotland Cancer Treatment Center	All throughout March you can support Scotland Cancer Treatment Center by making a donation at the register at Jersey Mikes in Laurinburg and Pembroke. On 03/27/19, 100% of proceeds will be donated. A total of \$21,041 was raised to support patients at Scotland Cancer Treatment Center.	03/27/19	-	Jersey Mikes in Laurinburg, NC and Pembroke, NC
FUNd Run	Not a runner? Not a problem! Come out and Run, Walk, or Waddle for a fabulous cause! All proceeds will be split evenly between the Scotland Cancer Treatment Center and the Diabetes Education fund to help create a healthier community! Take your pick of the 5k FUNd run or the 1-mile Ribbon Walk! Net revenue: \$30,298.	04/27/19	412	131 S. Main Street Laurinburg, NC
Cancer Survivors Day Celebration	A TV-show theme: "The Gong Show" dinner and staff entertainment <u>was</u> a fun-filled night for all cancer survivors and a guest celebrating survivorship.	5/17/19	250	Laurinburg Presbyterian Church
Scotland County Library Screen Eligibility Event	An event held to screen for eligibility for Low Dose CT, colonoscopy and mammogram. 27 total filled out the screening criteria. 3 qualified for a Low Dose CT, 8 qualified for a colonoscopy, and 5 qualified for a mammogram. The Primary Care Prover is notified of the eligibility results. Tobacco Cessation was discussed with smokers.59	06/13/19	27	Scotland County Library, Laurinburg, NC

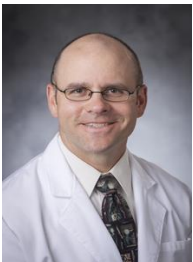
Men's Health Event Screen Eligibility Event	An event held to screen for eligibility for Low Dose CT, colonoscopy and mammogram. 18 total screened. 3 qualified for Low Dose CT, 5 qualified for colonoscopy, 0 for mammogram. The Primary Care Prover is notified of the eligibility results. Tobacco Cessation was discussed with smokers.	06/17/19	18	Dulin Center, Laurinburg, NC
Railroad Friction Screen Eligibility Event	An event held to screen for eligibility for Low Dose CT, colonoscopy and mammogram. 36 total filled out the screening criteria. 0 qualified for Low Dose CT, 0 qualified for colonoscopy, 1 qualified for a mammogram. The Primary Care Prover is notified of the eligibility results. Tobacco Cessation was discussed with smokers.	06/20/19	36	Railroad Friction, Maxton, NC
True Value Hardware Screen Eligibility Event	An event held to screen for eligibility for Low Dose CT, colonoscopy and mammogram. 52 total filled out the screening criteria. 8 qualified for Low Dose CT, 5 qualified for a colonoscopy, 1 qualified for a mammogram. The Primary Care Prover is notified of the eligibility results. Tobacco Cessation was discussed with smokers.	06/21/19	52	True Value Hardware, Pembroke, NC
Health Department Rainbow Screen Eligibility Event	An event held to pre-screen patients for Low Dose CT, colonoscopy and mammogram. 15 total filled out the screening criteria. 0 qualified for Low Dose CT, 1 qualified for colonoscopy, 1 qualified for mammogram. The Primary Care Prover is notified of the eligibility results. Tobacco Cessation was discussed with smokers.	06/21/19	15	Laurinburg, NC
First Presbyterian Church Screen Eligibility Event	An event held to screen for eligibility for Low Dose CT, colonoscopy and mammogram. 14 total filled out the screening criteria. 5 qualified for Low Dose CT, 6 qualified for colonoscopy, 0 qualified for mammogram. Tobacco Cessation was discussed with smokers.	08/09/19	14	First Presbyterian Church, Bennettsville, SC
Relay for Life	Walk for cancer awareness, education, research and fundraising. Mission for Relay Event: Sun safety to reduce the risk of skin cancer. Social Worker present at Relay for Life Opening Ceremony – Discussed childhood cancers and a Scotland County child was presented and honored for her battle with cancer.	9/20/19	5k	Scotland High School, Laurinburg, NC
Pembroke Day	An event held to screen for eligibility for Low Dose CT, colonoscopy and mammogram. 24 total filled out the screening criteria. 0 qualified for Low Dose CT, 5 qualified for colonoscopy, 0 qualified for mammogram. Tobacco Cessation was discussed with smokers.	9/26/19	24	Pembroke, NC
Breast Cancer Awareness Walk	Walk promoting breast cancer awareness. 252 participants, 34 survivors in attendance. Imaging department set up a table with the Mammography Tech and Breast Health Navigator talking about mammography and spoke to ladies about new equipment and screenings.	10/01/19	252	Scotland Memorial Hospital Campus, Laurinburg, NC

Campbell Soup Health Screening	An event held to screen for eligibility for Low Dose CT, colonoscopy and mammogram. Tobacco Cessation was discussed with smokers. 3 met criteria for LDCT, 5 met criteria for colonoscopy and 7 met criteria for mammogram	10/30/19	59	Maxton, NC
Evening of Light for Lung Cancer Survivors	Candle lighting ceremony honoring lung cancer survivors and a care giver.	11/12/19	25	Dulin Center, Laurinburg, NC
Circle of Hope Women's Support Group	Circle of Hope is a women's cancer support group that meets month. Annually the members choose topics they are interested in for the year. In 2019 topics included Updates in Mammography and Scotland Surgical Services - Leslie Herndon and Dr. Salloum; Depression and Self-Care – Amanda Bennet; Diabetes – Felisa Hammonds; Healing Touch – Tanya Williams; Essential Oils – Jennifer Ward; Charles Wentz - Mindfulness and Medication; Vaughnda Lowry - Low Dose CT for Lung Cancer Screening; Lynn Cox and Missy Smith – Mastectomy/Lumpectomy supplies and home medical equipment and the November/December combined holiday luncheon.	4 th Friday of each month	Eleven sessions with total attendance of 121.	Dulin Center, Laurinburg, NC

Accomplishments this year include:

1. Exceeded projected Medical Oncology visits for 2019 by 46%
2. Exceeded projected Radiation Oncology treatments for 2019 by 35%
3. Almost 800 new patients served this year.
4. Scotland County School System Tobacco-free Initiative – implemented the **ASPIRE** (A Smoking Prevention Interactive Experience which is a self-paced, online program that is evidence-based, youth-oriented tobacco prevention and cessation program. When children are caught smoking or using tobacco/vaping, during their ISS (In School Suspicion), they are required to complete this program.
5. We are excited to have two Duke medical oncology fellows (Dr. Prioty Islam and Dr. Jacob Kaufman) that currently see Oncology patients with Dr. Klotz and Dr. Altomare weekly. The fellows are the primary physicians responsible for the care of their cancer patients. Their presence augments the academic and teaching environment at Scotland Cancer Treatment Center. Additionally, it exposes fellows from a tertiary academic cancer center to the challenges and satisfactions associated with providing high quality care in a community cancer environment.
6. We exceeded our goal of enrolling 11 patients on a Duke Clinical Trial – this year we have enrolled 14 patients. We continue to be committed to cutting-edge Duke cancer research, as active research is the only way to improve cancer treatment outcomes. We would like to thank our research nurse, Amy Robertson, RN, BSN, as well as the support we receive from the research team at the Duke Cancer Network, and of course all the patients and their families who support clinical trials.
7. Scotland’s Susan G. Komen grant ended this year for our Breast Health Patient Navigator, but we are excited that Leslie Herndon, MBA-HEM, RT(R)(T) remains in this role. This dedicated position is responsible for follow-up on abnormal mammograms, no-call no-show mammogram appointments, scheduling additional imaging views and meeting with the patient at the surgeon’s office for discussion and scheduling of diagnostic procedures. Patients are accompanied by the Breast Health Patient Navigator during the diagnostic process leading up to a hand-off to the Hope Gibson, RN, Cancer Center Patient Navigator as necessary.
8. We implemented a Health Literacy program to look at our patient consents, instruction and education forms to evaluate the reading and comprehension level. The cancer center was the first department in the health care system to embark on this improvement. We reviewed and updated over 20 forms.
9. Our volunteer program continues to grow, and we want to thank our exceptional volunteers for providing their time to serve our patients. Ms. Olean Seals, Mr. Robert Woods, Ms. Margaret Love and Ms. Karan Butler – THANK YOU!

We look forward to the challenges and changes that each year brings and continue to work to deliver the very best cancer treatment available in a caring environment that is close to home for our patients.



Jeffrey Klotz, MD, Cancer Committee Chair
Medical Director, Scotland Cancer Treatment Center
Duke Cancer Network