

*Value Report*  
*2021 - 2022*

*An innovative specialty clinic lead by surgeons who passionately believe in wellness and quality outcomes in surgical care.*



*Drs.* Winnie Henderson and Christine Kollmorgen have a combined 39 years of surgical care experience, specializing in breast surgical oncology, hernia & complex abdominal wall reconstruction, endocrine surgery, and general surgery in Oregon. They have always set their sights on providing best in class care in addition to being passionately involved in meaningful quality outcome data reporting. Oregon Surgical Wellness provides a haven for achieving the best surgical quality outcomes while caring for the whole patient. In addition to our skillful and compassionate surgeons, OSW has a team of highly trained data collection specialists who have registered over 3,481 breast cancer patients on The American Society of Breast Surgeons, Mastery of Breast Surgery Registry, 775 endocrine surgery patients on The Collaborative Endocrine Surgery Quality Improvement Program, over 350 hernia patients measured on the Abdominal Core Health Quality Collaborative, and approximately 5,152 patients on the American College of Surgeons, Surgeon Specific Registry.

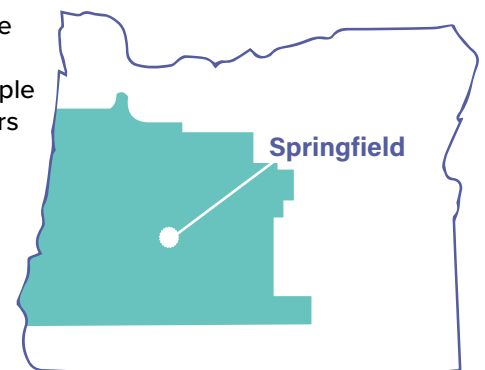
These registries are invaluable to us, as they help us understand our trends in care. We take the time to record and look at our data because it makes us better, leading to better patient outcomes. Better patient outcomes translate into healthier people. Healthier people lead to a healthier community. Oregon Surgical Wellness is dedicated to going the extra mile to ensure our patients get the best care, and our data tracking solidifies that.

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## Coverage in Oregon

With our flagship office in Springfield, Oregon and privileges in multiple hospitals, OSW delivers care throughout Western Oregon.



### *Why the Crane?*

*The crane holds significant symbolic meanings in various cultures around the world, with themes of longevity, prosperity, happiness, purity, and loyalty. Overall, the crane is a symbol of grace, beauty, and peace that transcends cultural boundaries and has become an iconic creature in the world's mythology and art.*



# Breast Cancer Surgery Program

As experienced Breast Surgical Oncologists, we coordinate care teams, optimizing the chance of a cure and relieving the stress of self navigation. Our unprecedented team includes on site certified naturopathic doctors (FABNO) from Pacific Integrative Oncology. Together, we craft integrative wellness plans to ensure you stay healthy before, during, and after treatment. Our breast surgeons are committed to documenting our surgical outcomes with the Mastery of Breast Surgery Program, as part of our quality assessment. Our data shows best-in-class outcomes across all measurable and clinically significant data points. The following outcomes (right) are based on more than 3,481 patients.

As a part of The American Society of Breast Surgeons, the Mastery of Breast Surgery Program is the largest breast surgical registry in the country and was developed to document patient outcomes through a voluntary reporting system. Our breast cancer patient surveys provide valuable information regarding patient satisfaction during their cancer treatment journey. We use these surveys to encourage communication and transparency between us and our patients, as well as to hold ourselves accountable for our patient outcomes. We also have a wellness promise reaching out before our patients have their first visit and use patient shared decision making tools provided by SHAIR.

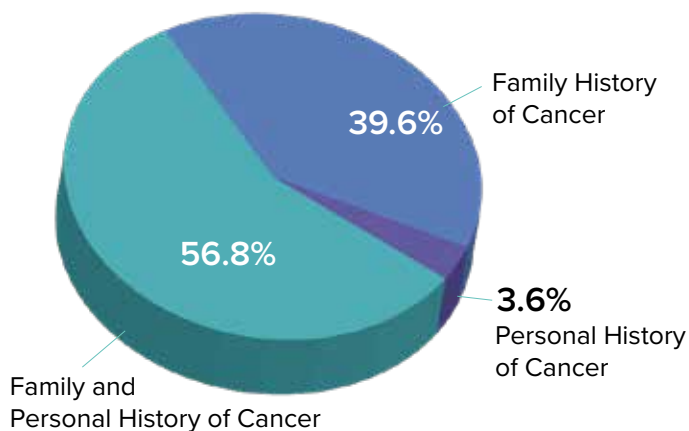
Breast Surgical Outcomes	Oregon Surgical Wellness	National Average
Breast Conservation Rate (Goal >50%)	55.2%	39.2%
Re-excision rate (Patient required additional surgery)	10.45%	18.6%
Genetic Testing Offered	100%	95%
Reconstruction discussed/offered	100%	90%
Wound Infection Rate	<2%	<2%
Surveillance plan documented (Post-Op)	100%	87.5%
First treatment within 30 days of diagnosis	44%	48%

# Genetic Cancer Risk Assessment and High Risk Management Clinic

**Launched in the fall of 2021, we now offer hereditary cancer and genetic testing to manage patients with high genetic predisposition to cancer development.**

We are members of the City of Hope Clinical Cancer Genetics Community of Practice which brings cancer genetics practitioners from diverse practice settings together for professional learning and enduring patient centered support. We partner with patients to develop customized plans for proactive health. We have implemented CARE™, a comprehensive program that analyzes medical and family history and identifies cancer risks and options using the most up-to-date medical guidelines. We use a test called CancerNext which analyzes 34 genes associated with increased risks for common cancers including breast, ovarian, colorectal, uterine, pancreatic, prostate, melanoma, and stomach. The results give our patients and their healthcare teams information needed to make proactive, customized plans.

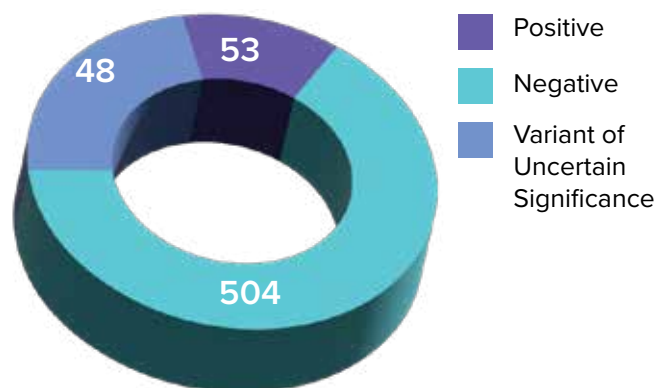
**National Comprehensive Cancer Network (NCCN) Met- Cancer History of Patients**



**To date we have tested over 600 patients and discovered over 50 genetic mutations.**

**Knowledge is power!**

**Tests Conducted**



Did you know that 21 million people qualify for hereditary cancer genetic testing and only about 2.1 million (10%) have actually been tested? Serving as the first comprehensive Genetic Cancer Risk Assessment Clinic in Lane County, Oregon Surgical Wellness, offers on-site risk assessment, and genetic testing. We provide medical counseling by providers who are members of the City of Hope's Cancer Genomics Community of Practice.

## Timeline of Genetic Testing

When a patient chooses to have genetic testing, this is the order in which things happen

### • Referral

Oregon Surgical Wellness Genetic Cancer Risk Assessment and High Risk Management Clinic

### • Identification

Using Virtual High-Risk Screening tool

### • Test Education

How genetic testing can guide early detection and prevention

### • On-site Genetic Testing

Blood or saliva RNA/DNA testing

### • Results Delivery

Tests results are delivered to Oregon Surgical Wellness and made available to the patient through the digital portal

### • Post-Test Genetic Counseling

Made available to all patients who have testing

### • Coordination and Documentation

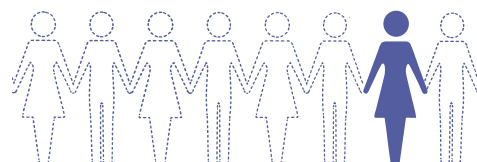
Oregon Surgical Wellness and specialty referrals

### • Personalization

Risk management plan

## Risk Management and Treatment

Understand your risk. 3.5 million women have a history of breast cancer in the U.S. Although most breast cancers occur in women who do not have a strong family history of breast cancer, about five to 10 percent are caused by hereditary genetic mutations. As the first comprehensive High Risk Breast Clinic in Lane County, we offer on-site risk assessment, genetic testing, licensed genetic counseling within 24 hour of your results and a comprehensive consultation with one of our breast surgeons. If you decide to have prophylactic surgery, we specialize in hidden scar mastectomy, working side by side with plastic and reconstructive surgery colleagues to give you a piece of mind and a sense of wholeness.



# Hernia & Complex Abdominal Wall Reconstruction Program



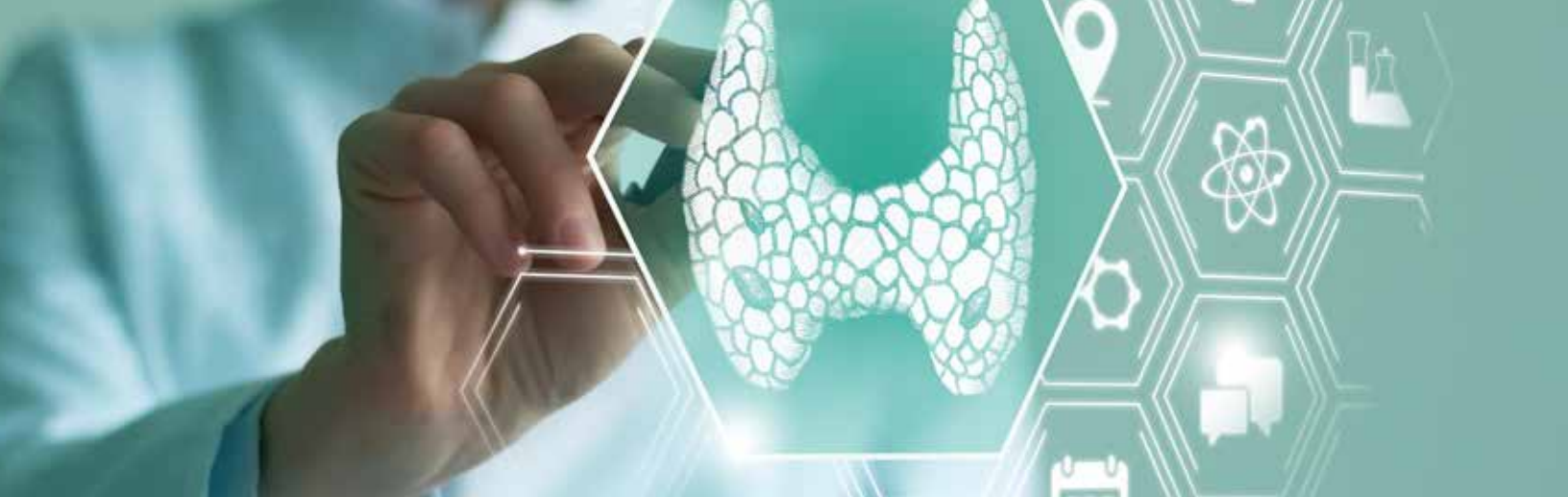
*Oregon Surgical Wellness uses state of the art robotic assisted technology in some of our surgeries. Dr. Henderson is a member of the ACHQC and serves on their National QI committee.*

**H**ernias can be a source of stress, discomfort, and significant lifestyle compromise. It's important to optimize your care by promoting high-quality surgical outcomes. Our specialists provide best practices, decision support, and care pathways through data collection, analysis, and collaborative learning while inviting ongoing performance feedback through participation in the Abdominal Core Health Quality Collaborative (ACHQC.)

The mission of the ACHQC is to maximize the quality and value of health care for patients who suffer from hernia disease and diseases of the abdominal wall or abdominal core. The ACHQC fulfills its mission through robust data collection and rigorous analyses to identify areas where abdominal core health may be enhanced and directly impact the quality of patient care. The ACHQC provides care for 105,413 enrolled patients with 424 participating surgeons. We provide prehabilitation before surgery, customized repair techniques, and post-operative rehabilitation strategies to reduce recurrence rates and improve recovery.

Comparing our data to the ACHQC database allows us to see what makes our patients unique, and gives us the opportunity to best cater towards them. It also is a method for us to hold ourselves accountable and transparently share our data with patients, insurance providers, and other doctors alike. The following data is based on over 457 patient outcomes.

Hernia Program Outcomes	Oregon Surgical Wellness	National Average
Surgical Site Infections	1.3%	2%
Re-Admission Rate	1.8%	3%
BMI > 40	10%	5.4%
Diabetic	14.7%	13%
Recurrent Hernia (2 years)	26%	22%
Smoker	9%	11%



# Endocrine Surgery Program

Community collaboration for surgical endocrine disease promotes the best results. We engage in shared decision-making with our patients and utilize the latest technology for diagnosis and treatment. We have a programmatic mindset that gets the patient back in the driver's seat of their body. We use minimally invasive surgical techniques to provide a positive experience and the best possible outcomes.

The Collaborative Endocrine Surgery Quality Improvement Program (CESQIP) aims to improve the value of care delivered to patients. Formed in 2012 CESQIP utilizes concepts of continuous quality improvement to improve outcomes and optimize costs. This is accomplished through patient-centered data collection, ongoing performance feedback to clinicians, and improvement based on analysis of collected data and collaborative learning. The following data comprises outcomes for 275 patients having surgery done at Day Surgery at River Bend, our primary outpatient surgical center. All procedures were performed by Dr. Christine Kollmorgen, the physician champion of the CESQIP program at our center.

Cost analysis: Data below represents an average charge of 10 random cases picked in each category. Fees include facility/lab and anesthesia charges; they do not include surgeon fees or pathology fees. Dr. Kollmorgen's careful selection of patients for the outpatient setting has a cost savings of 1.7 million dollars over 6 years or about \$280,000 of healthcare cost savings per year.

Endocrine Surgical Outcomes	Oregon Surgical Wellness	National Average
BMI over 40	15%	10%
Age over 65	40%	30%
Extended Length of Stay (>2 Days)	<1%	3.16%
30 Day Mortality	0.3%	0.1%
Surgical Time > 3 Hours	0%	9.8%
Re-Admission Rate Main OR	1%	N/A
Permanent Vocal Cord Injury	0.3%	N/A
Concern for Persistent Hyperparathyroidism	3%	2%

Parathyroidectomy/Thyroidectomy Outpatient Surgery Center	\$5,670
Parathyroidectomy/Thyroidectomy Hospital Outpatient	\$18,780
Parathyroidectomy/Thyroidectomy Hospital Inpatient	\$22,450 - \$122,000

# General Surgery Program



OSW office staff

Combining 39 years of experience, our surgical specialists have performed over 16,000 procedures. If you're seeking a mindful approach coupled with skillful hands, you've come to the right place. Board Certified in general surgery; we're rigorously trained to provide high-quality surgical care. We treat gallbladder disease, reflux conditions, surgical diseases of the colon, and a host of other general surgical ailments.

Our surgeons perform more than 800 procedures each year. Patients benefit from our commitment to quality, comprehensive surgical wellness programs, clinical research and innovative approach to surgical care. Our general surgical quality outcome data in Surgeon Specific Registry provides real time assessment of our surgical approach to general surgical patients. Oregon Surgical Wellness surgeons have maintained best-in-class in all categories.

2021/2022			
	Dr. Henderson	Dr. Kollmorgen	NSQIP
Re-Admit	<1% (0.4%)	<1% (0.3%)	4.7%
Surgical Site Infection	<2%	<2%	4.2%
Return to the OR within first 30 days	<1% (0.67%)	<1% (0.3%)	2.4%



*Our future is brighter than  
ever with new innovative ideas,  
collaborations, and pilot studies.*



# Action plans against cancer

From preventive measures and early detection, to surgery and treatment, physicians apply the best of what they know in new advances in breast cancer care.

By Chris Cunningham  
for OSW, P.O. Box 1000  
Photos by Gailie Andrew

In the early years of her medical career in the emergency room, nurse-liaison drivers sometimes would carry in women with "breast cancers" that were almost the size of the breast, a radiologist told her. "We just had industrial Oregon Imaging Centers and director of women's imaging at back then. "We just had industrial strength X-rays," says Chisola. Breast imaging technologies such as mammography and ultrasound were "virtually nonexistent."

There were no public health campaigns that openly encouraged breast health or that encouraged women to have mammograms. Even in the late '70s and early '80s, women were advised to talk about discomfort and lumps in their breasts, Chisola says. The lack of imaging technology often meant that a woman would have to have a mastectomy on a breast lump that was a non-invasive cyst, she says.

Dr. Christine Kollmorgen, a surgeon with Northwest Surgical Specialists, goes with Chisola in the day, we tried to take the whole breast, she would remove and all the lymph nodes out of the armpit.

It was a "discrete, traumatic surgery," she says. "I'm a good patient, but I didn't know if they were going to wake up with their breast."

She asks rhetorically, "Can you imagine that?"

**Breast screening**  
It may be hard to imagine, now that all women in Lane County, regardless of economic status, have access to mammography screening technology, say Chisola and Kollmorgen, and two other local physicians — Drs. Winnie Henderson and Meredith Woodland — who down and Merleth patients.

All four physicians say regular breast work with cancer prevention, starting in age 40, is the key to breast cancer prevention. Deaths from breast cancer have been declining since 1990, which is a result, both of earlier detection and improved treatment, according to the National Cancer Institute at the Na-



From left, Drs. Christine Kollmorgen, Robert Schauer and Winnie Henderson, former breast cancer surgeons at Northwest Surgical Specialists. The three also serve on the Breast Cancer Task Force.

need for a biopsy: the removal of a sample of the woman's breast cells, is the only way to tell if a suspicious area in the breast is benign or cancerous. A physician might order an MRI (magnetic resonance imaging) to assist with diagnosis if a patient has a personal or family history or another high risk factor for breast cancer.

Once a physician diagnoses breast cancer, the next step is to determine the size of the tumor and if and how far the cancer has spread, a process called staging. Stages 0 through 4 describe whether the cancer is localized in the breast, has invaded nearby organs, nodes, or has spread to other organs, such as the lungs. Each stage determines the treatment a patient receives, including surgery, radiation therapy and chemotherapy.

Henderson, a surgeon at Northwest Surgical Specialists, says 75 to 80 percent of their breast cancer surgeries involve mastectomy, a breast conserving surgery that removes the tumor and a small margin around it, while leaving the breast intact. These days, for dense breasts, either need to choose mastectomy in which the entire breast is removed.

she and her colleague Kollmorgen have been applying a new surgical technique called oncoplastic surgery to breast cancer patients. Oncoplastic surgery, the surgeons are learning, is a plastic surgery procedure that reconstructs the breast — during mastectomy.

Henderson says oncoplastic surgery improves the appearance of the breast. Oncoplastic surgery "marries all the principles we know well from aesthetic surgery with all the principles we know well from oncological surgery," Kollmorgen says.

Henderson says, "Breasts are very important to every female. And I think that breast surgery has much more focused to pay more attention to outcome of the surgery."















**Post-operative treatments**  
Radiation therapy significantly can decrease the risk of cancer returning after surgery, says Kollmorgen, who also works with Woodland, a radiation oncologist with



*OSW: Then and Now*

*Dr.* Drs. Winnie Henderson and Christine Kollmorgen were part of Northwest Surgical Specialists, a surgical specialist group, here in Lane County for many years. Chris was with NWSS for 23 years and Winnie was there 11 years. The two of them have always set their sights on providing the best in medical care. As generalists, they performed all kinds of general surgery, but gradually, they sub-specialized, developing a primary focus and most remarkable talents as breast surgeons. They started thinking about the concept of sub specializing in 2011 and were featured along with Dr. Robert Schauer, a community surgical pioneer and now retired breast specialist, in a Registered Guard article titled "Action plans against cancer." Fast forward a decade and they are now breast surgical oncologists while also focusing on three other sub specialty programs. Over the years they have seen their patients become more anxious, more medically complex due to unhealthy lifestyles, and more often disadvantaged due to complicated social determinants of care. After years of watching this unfold, they began a journey of finding a better way. OSW embodies their mission of providing surgical care and breast cancer management in Oregon.

## These are our accomplishments along the way to becoming our ultimate goal of achieving the National Quality Measures for Breast Centers: **NQMBC Certified Quality Center of Excellence**

<input checked="" type="checkbox"/>		Oregon Surgical Wellness open its doors. January 2021
<input checked="" type="checkbox"/>		Drs. Henderson and Kollmorgen certified as Hidden Scar Surgeons by Styker Hidden Scar Breast Surgery Program, making OSW the only Hidden Scar Breast Surgery Center in Oregon. January 2021
<input checked="" type="checkbox"/>		OSW partners with Pacific Integrative Oncology to provide integrative care and focus on wellness. March 2021
<input checked="" type="checkbox"/>		OSW opens Lane County's only High Risk Breast Clinic. April 2021
<input checked="" type="checkbox"/>		OSW opens the only Genetic Cancer Risk Assessment and Management Clinic in Lane County. August 2021
<input checked="" type="checkbox"/>		Drs. Henderson and Kollmorgen graduate from the intensive course in genetic cancer risk assessment and are certified by the City of Hope to become members of the Clinic Cancer Genomics Community of Practice. March 2022
<input checked="" type="checkbox"/>		Dr Henderson is certified by the National Consortium of Breast Centers in Cancer Genetic Risk Assessment. April 2022
<input checked="" type="checkbox"/>		OSW is selected by the Dartmouth Center for Shared Decision Making as one of the 30 SHAIR Collaborative helping to improve patients with early stage breast cancers make decisions about treatment. August 2022
<input checked="" type="checkbox"/>		In partnership with Pacific Integrative Oncology, OSW starts working collaboratively to study lymphedema prevention made possible by a grant from OHSU Knight Cancer Institute Community Partnership Program.
<input checked="" type="checkbox"/>		OSW and Drs. become certified participants of the NQMBC and now are eligible to make application to become certified. 2023
<input checked="" type="checkbox"/>		Dr. Henderson is elected to serve on the NQMBC CGRA committee. 2023
<input type="checkbox"/>		OSW becomes a pilot site for the clinical Cancer Genomics Community Practice. Family 1st tool to communicate pathogenic mutations to family members of our patients improving communication and hopefully increasing testing in 2023-2024
<input type="checkbox"/>		On track to become a Certified Quality Breast Center by the NQMBC 2025
<input type="checkbox"/>		On track to become a Certified Quality Breast Center of Excellence by the NQMBC 2025



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