



reConnections Journal for Wakemed Rehab





Dear Providers,

WakeMed Outpatient Rehabilitation is growing and diversifying in so many ways! We invite you to learn more about our outpatient locations, specialty programs and services by paging through this issue of ReConnections.

One of our greatest sources of pride is the expansion of our CARF-accredited Neuro Rehab program. In addition to our inpatient Neuro Rehab system of care and intensive Neuro Day Treatment program, we have expanded our outpatient neuro services. We now have a practice fully dedicated to patients recovering from neurological issues - WakeMed Outpatient Neuro Rehab – at the HealthPark at Kildaire in Cary. This is in addition to the Outpatient Neuro Rehab services we offer at our Clayton practice and our flagship site in Raleigh. Stroke and other neuro patients have access to comprehensive services – vestibular therapists, neuro-aquatics, neuropsychology services – in addition to neuro physical, occupational and speech therapists.

In this issue, you will also find information about our Breast Health Rehab Program, pelvic health services for children, women and men, our hand and pediatric specialists and more.

We are working hard to keep pace with the growing needs of our community and we thank you for your support and referrals as we continue our journey. Please contact either of us with any questions you have.

In Health,

Elaine Rohlik, PhD

Executive Director WakeMed Rehabilitation erohlik@wakemed.org 919-350-8852

Esaire Roblik

Cathy Smith, PT

Director

WakeMed Outpatient Rehabilitation csmith@wakemed.org 919-350-4161







WAKEMED REHABILITATION LOCATIONS

We offer convenient access to hospital-based and independent practices to meet patients' needs.

Inpatient

WakeMed Rehabilitation Hospital

3000 New Bern Avenue Raleigh, NC 27610 919-350-7876

Outpatient

Please call 919-350-7000 for WakeMed Outpatient Rehab locations.

WakeMed Day Treatment

3000 New Bern Avenue Raleigh, NC 27610

WakeMed Outpatient Rehab – Raleigh

3000 New Bern Avenue Raleigh, NC 27610

WakeMed Outpatient Rehab – Raleigh Medical Park

23 Sunnybrook Road, Suite 300 Raleigh, NC 27610

WakeMed Outpatient Rehab – Wake Forest Road

3701 Wake Forest Road, Suite 120 Raleigh, NC 27609

WakeMed Physical Therapy – Oberlin

505 Oberlin Road, Suite 140 Raleigh, NC 27605

WakeMed Physical Therapy – North Raleigh

10010 Falls of Neuse Road, Suite 009 Raleigh, NC 27614

WakeMed Outpatient Rehab – North Hospital

10000 Falls of Neuse Road Raleigh, NC 27614

WakeMed Outpatient Rehab - Cary

110 Kildaire Park Drive, Suite 201 Cary, NC 27518

WakeMed Physical Therapy – Kildaire

110 Kildaire Park Drive, Suite 208 Cary, NC 27518

WakeMed Outpatient Neuro Rehab - Cary

110 Kildaire Park Drive, Suite 401 Cary, NC 27518

WakeMed Outpatient Specialty Rehab – Cary Hospital

1900 Kildaire Farm Road Cary, NC 27518

WakeMed Physical Therapy – Pelvic Health

210 Ashville Avenue Cary, NC 27518

WakeMed Physical Therapy – Cambridge Village

10000 Cambridge Village Loop Apex, NC 27502

WakeMed Outpatient Rehab – Clayton

104 Medspring Drive, Suite 210 Clayton, NC 27520

Cardiac Rehab

WakeMed Raleigh Campus and Kildaire Park Drive outpatient rehab locations

Pulmonary Rehab & COVID-19 Recovery

WakeMed Raleigh Campus outpatient rehab location

Healthworks Fitness & Wellness

WakeMed Raleigh Campus and Kildaire Park Drive locations

Outpatient Wound Care

WakeMed Wound Care

3000 New Bern Avenue Raleigh, NC 27610 919-350-4515

Home Health

WakeMed Home Health

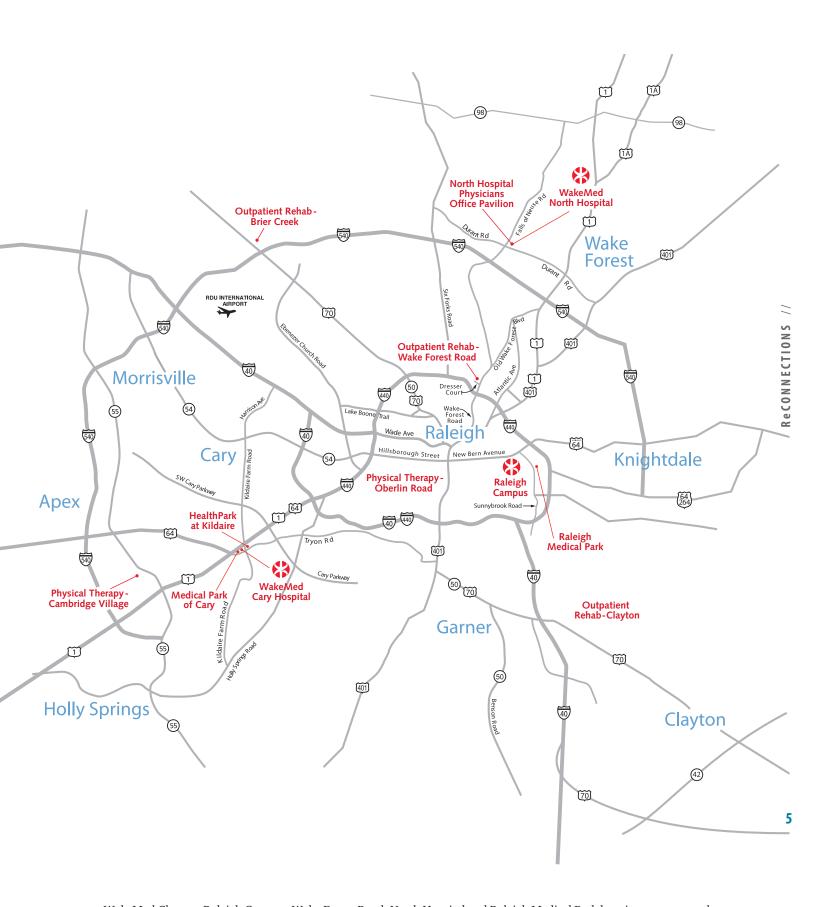
2920 Highwoods Boulevard Raleigh, NC 27604 919-350-7990

COMING SOON!

WakeMed Physical Therapy - Brier Creek

This new independent practice will be located near the fitness center inside The Cambridge at Brier Creek, 7901 TW Alexander Drive.

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WakeMed Clayton, Raleigh Campus, Wake Forest Road, North Hospital and Raleigh Medical Park locations operate under the license of WakeMed Raleigh Campus. WakeMed Outpatient Specialty Rehab, WakeMed Outpatient Rehab – Cary and WakeMed Outpatient Neuro Rehab – Cary operate under the license of WakeMed Cary Hospital. The WakeMed Physical Therapy practices operate as independent practices.

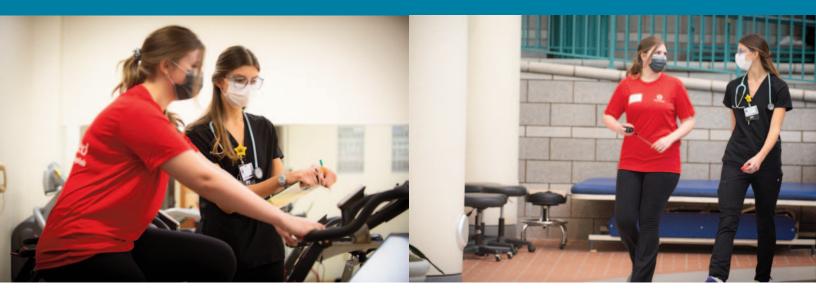


SPECIALTY SERVICE POTS Rehab

ow do the cardiopulmonary therapy specialists at WakeMed Outpatient Rehab combat postural orthostatic tachycardia syndrome (POTS)-related intolerance for activity? With more activity! "Exercise training can be a beneficial and effective option even for patients who are unable to do much because of debilitating symptoms," said Naomi Bauer, PT, DPT, program director, Pulmonary Rehab & Cardiopulmonary Therapy.

Bauer and WakeMed's five additional therapists who have received special training in POTS therapies, treat adolescents and adults. "In addition to the trademark abnormal heart rate elevation, lightheadedness in upright positions and fainting, we also see people with extreme fatigue, 'brain fog', nausea, headaches and shortness of breath," explained Bauer. POTS is most common among women of childbearing age, who have experienced a viral infection or head injury such as a concussion but WakeMed therapists see POTS related to a variety of causes. Bauer has seen an uptick in POTS patients among her post-COVID patients she treats for cardiopulmonary issues.

POTS is definitely a diagnosis of exclusion and may accompany other health issues such as chronic pain, small fiber neuropathy and even digestive problems. If you have a patient whom you suspect has POTS, Naomi Bauer welcomes the opportunity to consult with you. Please contact her at nbauer@wakemed.org or 919-350-7551.



Megan Mast Battles POTS PATIENT PROFILE

t started when I was a teenager. I would actually pass out. My fatigue was so severe. I slept much more than my peers and couldn't do as much as they did." These are recollections from 27-year-old Megan Mast, whose journey to her postural orthostatic tachycardia syndrome (POTS) diagnosis and treatment has been an arduous one.

POTS, a condition involving circulation and the autonomic and sympathetic nervous systems, affects between 1 and 3 million Americans, most of whom are women between the ages of 13 and 50. Symptoms occur when standing up from a seated or reclined position. "There are several different types of POTS, but, in general, a person who suffers from POTS has a nervous system that cannot balance blood vessel squeezing with heart rate response," said Christie Palagonia, PT, who specializes in treating patients with POTS.

While lightheadedness, fainting and rapid heartbeat upon standing are the primary symptoms of POTS, there are many secondary symptoms. Mast developed night sweats, headaches, vertigo and body temperature dysregulation. The variety of symptoms that can present make POTS difficult to diagnose, which Mast knows all too well. She saw many different specialists, but unfortunately none of them could provide her with relief.

She was finally connected with a POTS specialist in Raleigh who began to treat her with medications, compression garments and diet changes. He also prescribed physical therapy with the Pulmonary Rehab & Cardiopulmonary Therapy team at WakeMed Outpatient Rehab. Mast has been seeing physical therapists twice a week since July. "We began working low and slow to determine my boundaries – how much activity I can tolerate without experiencing symptoms," explained Mast. She now does a combination of outpatient therapy and at-home exercises, in addition to medications and lifestyle changes as prescribed by her physician.

What has Mast learned from her WakeMed POTS therapists? "I am better in tune with my symptoms and I understand the best way to exercise for me. For example, I now know I need a long cool down period whenever I exercise and I know I have to be active for the rest of my life to keep symptoms at bay," she explained.

Mast has learned a great deal from her therapists at WakeMed Outpatient Rehab and she is so thankful for their help in improving her quality of life. "I am incredibly thankful for my therapists," said Mast. "They make me feel seen and validated. What I have learned from them I will carry with me for the rest of my life."







Expanded Outpatient Rehab Services for Neuro Patients

he WakeMed Outpatient Rehab team responds to the demand for more convenient specialized services for stroke, brain injury, concussion and other neuro diagnoses with a new, additional location in Cary, NC – WakeMed Outpatient Neuro Rehab.

Residents of western Wake County and beyond now have access to specially trained physical, occupational and speech therapists without a trip to WakeMed Raleigh Campus. "Dizziness, balance and vision issues are common side effects of stroke and brain injury," explained Jennifer Marchione, PT, supervisor, WakeMed Outpatient Neuro Rehab. "Vestibular rehab is a therapy in which we excel to meet the needs of our patient population."

The practice brings together neuro rehab expertise and technology to help older children and adults regain and improve their function and mobility. "Some of the latest equipment for patients recovering from neurological issues includes VitalStim Therapy to improve swallowing, our Functional Electrical Stimulation cycle to assist patients with lower extremity weakness, and the Bioness Integrated Therapy System for vision, motor skills and balance training," said Marchione. Neuropsychology services, which can help providers diagnosis neurological issues and understand a patient's progress, are available in the same building – 110 Kildaire Park Drive in the HealthPark at Kildaire.

continued





The conditions the WakeMed Outpatient Neuro Rehab team treats include:

- Stroke
- > Traumatic brain injury
- > Spinal cord injury
- > Concussion
- Post-concussion vision problems
- > Amputation
- > Dizziness/vertigo
- > Balance issues
- > Speech/language deficits
- > Falls prevention
- > Cognition
- > Aphasia
- > Parkinson's disease
- > Multiple sclerosis
- Visual spatial dysfunction

Outpatient neuro rehab services at our Cary, Clayton and Raleigh Campus locations are available by physician referral.

Providers can send referrals through Epic or by faxing 919-235-1328. Call 919-350-7000 for information and scheduling.



Water Therapy for Neuro Patients

WakeMed Outpatient Rehab has expanded the benefits of the aquatic environment beyond orthopedic injuries. Our outpatient rehab location at Raleigh Campus now offers both physical and occupational aquatic therapy to adults recovering from stroke, traumatic brain injury, spinal cord injury and other neurological impairments. Aquatic treatments are focused on improving core strength, balance, movement of all extremities and coordination. Facilities include a dedicated locker room, lifts and other equipment to ensure patients are safe as they work to restore function and independence. For information, please call 919-350-2838.

Succeeding after Breast Surgery

THE WAKEMED BREAST HEALTH REHAB PROGRAM

he therapists with the WakeMed Breast
Health Rehab Program understand the
seriousness of a breast cancer diagnosis and
a patient's desire to battle the disease with
all possible resources. That's why they developed
the Breast Health Rehab Program!

Before breast surgery

The program begins with a pre-surgery evaluation, which gives patients a head start on their recovery with education, special exercises and tips on what to watch for after surgery. Therapists will also gather baseline information to help create personalized treatment plans for each patient.

After breast surgery

Following surgery, the Breast Health Rehab Program team will:

- Address incision care
- Offer additional instruction on therapeutic exercises and managing edema (swelling)
- Discuss activity tolerance
- > Help patients prevent lymphedema
- > Lymphedema treatment down the road

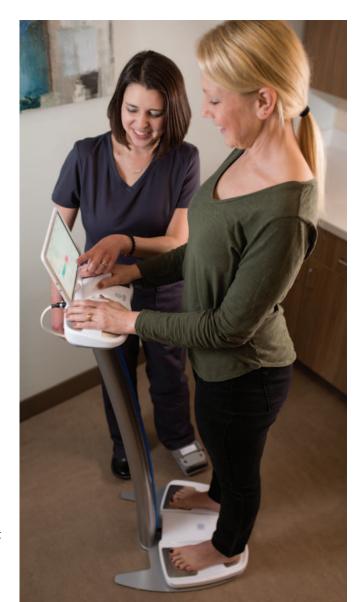
Lymphedema is a chronic, progressive swelling from an abnormal accumulation of lymph fluid buildup in the hands, arms, or chest after the removal of lymph nodes. Patients may develop lymphedema months or years after breast surgery. The WakeMed Breast Health Rehab Program can help.

Our therapists provide complete decongestive therapy, the international gold standard treatment for lymphedema. Treatment includes in-office therapy combined with a home maintenance program that, when practiced consistently, can provide long-term relief.

SOZO® technology, which provides information about a person's body fluid and tissue to detect lymphedema before it is noticeable, is an important tool that WakeMed lymphedema therapists use to

help patients prevent the condition before it causes discomfort. "The SOZO became indispensable to us as soon as we put it to use three years ago," said Ashley Railsback, OT, WakeMed Outpatient Rehab – North Hospital. "It produces precise results in about a minute, so we can get started on a prevention plan if it is necessary."

If you are facing breast cancer treatment or suspect you have lymphedema, talk to your primary care physician, oncologist or surgeon about a referral to the WakeMed Breast Health Rehab Program. For more information, call 919-350-7000. Referrals can be made through Epic or by fax 919-235-1328.



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CARING FOR KIDS in Raleigh, North Raleigh, Apex, Cary & Clayton

WakeMed pediatric rehab therapists are highly experienced in working with medically complex pediatric patients. They offer diverse expertise to treat children from infants to teens with:

- > Spinal cord injury
- Traumatic brain injury & concussion
- > Pelvic pain/incontinence
- Amputation
- > Concussion

- Language and learning disabilities
- Feeding and/or swallowing difficulties
- > Multi-trauma injuries
- Cancer

- > Spasticity
- > Concussion
- Pre- and post-surgery needs
- > Sports injuries
- > Orthopedic issues

Both hospital-based and independent practice models are available. To learn more, please call 919-350-7000. WakeMed Raleigh Campus is also home to WakeMed Children's Rehab Hospital for complex pediatric rehab inpatients.

Comprehensive Treatment for Pelvic Health Issues

akeMed Rehab's pelvic health therapists continue to serve women who have urinary incontinence and pain associated with pregnancy and other factors. It's important to know that these professionals also serve the pelvic health needs of men, children and transgender/non-binary individuals at several of our hospital-based and private practices.

Conditions they treat include:

Adults

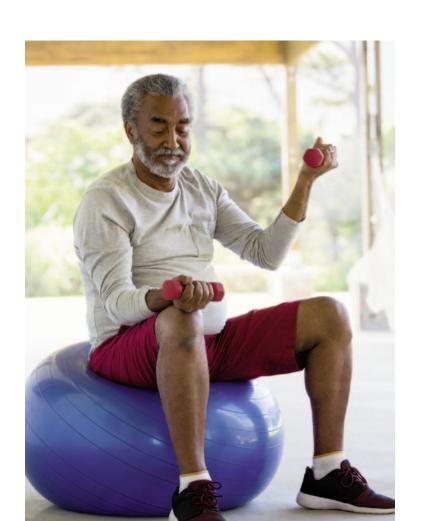
- Constipation
- Encopresis (bowel incontinence)
- > Urinary incontinence
- Incomplete/difficulty emptying
- Urgency
- > Frequency
- > Testicular or penile pain
- Post-prostatectomy issues
- > Post-surgical pain
- Issues related to transgender health

- Post-gener confirmation surgeries
- Pain associated with pregnancy (back, sciatica, round ligament, tailbone, etc.)
- > Abdominal separation
- > Vaginal pain
- Painful sex
- > Pelvic organ prolapse
- > Vaginismus
- > Endometriosis
- > Pudendal neuralgia
- > Interstitial cystitis

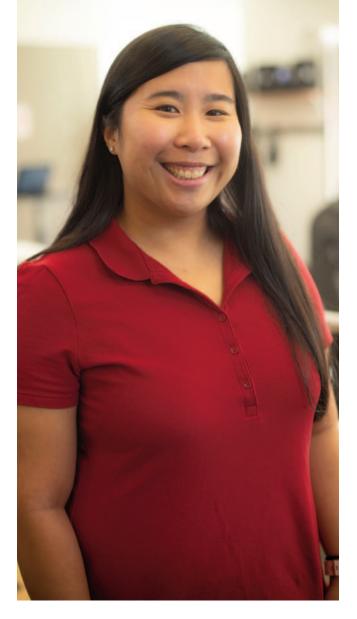
Children

- Constipation
- Encopresis (bowel incontinence)
- > Urinary incontinence
- > Urinary retention
- Urinary urgency/frequency
- Painful urination/defecation
- Incomplete/difficulty emptying

Referrals are welcome through Epic or by calling 919-350-7000 or faxing 919-235-1328.







EMPLOYEE SPOTLIGHT Hand Therapist Rochelle Masudal, OTR/L

ands, wrists and elbows. Rochelle Masudal has a passion for helping people regain mobility, strength and function in these body parts.

"I love this specialty area of OT because I am very results-oriented," explains Masudal. "I appreciate how quickly my patients and I can see continuous gains in these parts of the upper extremities with hard work and consistency. I love helping them get back to doing what they need to do on a daily basis."

Masudal earned her master's degree in occupational therapy from Colorado State University and has primarily worked in outpatient rehabilitation. She joined the WakeMed Outpatient Rehab team in August. Masudal is dedicated to specializing in hand therapy in particular, and, having completed more than 4,000 hours in hand therapy, she is preparing to obtain her Certified Hand Therapist credential.

Masudal works one-on-one with patients of all ages, helping them rehab after wrist and elbow fractures, sprained fingers, joint (thumb) replacement surgery, and repetitive motion injuries from work or play. She also treats conditions such as carpal tunnel syndrome, tennis elbow, trigger finger, de Quervain's, arthritis and general distal upper extremity pain. "My aim is to provide individualized treatment plans that help patients achieve optimal function as well as their own rehab goals," says Masudal.

Masudal sees patients at WakeMed's hospital-based and independent outpatient practices. She welcomes patients by physician referral through Epic or by faxing 919-235-1328. Please call 919-350-1508 for additional information.

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Outpatient Prehab and Post-operative Rehab for Hernia Surgery Patients

The WakeMed Hernia Prehab and Rehab Program helps patients develop the strength and techniques they need to make a successful recovery after surgery. During the initial prehab appointment, WakeMed Outpatient Rehab therapists assess a patient's strength and functional abilities and may recommend physical therapy visits and/or an exercise program to prepare muscles pre- and post-surgery for best outcomes. Occupational therapists help the patient safely do daily activities post-surgery. Whether or not patients plan to have surgery, therapists also provide education to patients about what leads to hernia/abdominal wall weakness and how to avoid straining the abdomen during daily tasks. For information, please call 919-350-7000. Referrals are welcome through Epic or by faxing 919-235-1328.



WakeMed Outpatient Rehabilitation Services Reference Guide

			Hosp	oital-Based Loca	tions
	North Hospital	Wake Forest Road	Raleigh Campus Health Park	Raleigh Medical Park	Clayton OP Rehab
WakeMed Rehabilitation	Adults & Orthopedic Peds (>5 yrs)	Adults & Orthopedic Peds (0-17 yrs)	Adults & All Peds (4-17 yrs)	Adults & Orthopedic Peds (0-17 yrs)	Adults & All Peds (0-17 yrs)
THERAPY SERVICES					
Physical Therapy					
Occupational Therapy					
Speech Therapy (SLP)	•	•			<u> </u>
SPECIAL PROGRAMS			•	•	*
Pulmonary Rehab & Cardiopulmonary Therapy			<u> </u>		
Comprehensive COVID-19 Recovery Program			~		
Dry Needling			✓	~	/
Incontinence/Pelvic Pain/Dysfunctions (Men/Women/Children)	✓				~
Aquatics (Warm Water Pool Therapy)			~		
Falls Intervention Program & OTAGO		/	~		~
Amputee/StepForward Program		/	✓	/	/
Post Concussion Program	<u> </u>	/	~		/
Hernia Program-Pre and Post Op Protocol		/			~
ORTHOPEDICS, MEDICAL AND GENERAL REHAB					
Orthopedics, General Rehab & Sports Injury	~	~		✓	~
Neck, Back & Scoliosis Rehab Programs	~	/		/	~
Specialized Hand Treatment-Splints/Orthotics		/		✓	~
Pre & Post Natal Back Pain	~	/		✓	~
Prehab & Post Surgical Rehab	~	~		~	~
Breast Surgery Program	~	✓		✓	
Lymphedema (Vodder)	~	/		✓	
Temporomandibular Joint Dysfunction (TMJ)	~	/		✓	/
Injured Workers & Work Conditioning (FCEs- Clayton Only)	~	✓		✓	✓
NEUROLOGICAL REHAB					
Wheelchair Seating					
Neuro Day Program					
Spinal Cord Injury					
Brain Injury					
Neurological Dx					./
Low Vision/Post Concussion Vision			Y	~	
Balance Dysfunction	. /	./			
Vestibular Rehab	./		./	V	./
EKSO Robotic Exoskeleton	V				V
InMotionArm Robot-UE			<u> </u>		
Lee Silverman BIG & LOUD			— — —		. /
			~		Y
SWALLOWING EVALUATIONS AND TREATMENT					
Objective Swallowing Eval FEES & MBSS			~		
Vital Stim Swallowing Treatment			✓		✓
Pediatric Feeding & Swallowing				/	/

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		Private Practice — WakeMed Physical Therapy WakeMed Key Community Care HVS Providers (WKCC)					
Cary Hospital Specialty Rehab	HealthPark at Kildaire Cary	HealthPark at Kildaire Cary	Pelvic Health, Medical Park of Cary	Oberlin Village	North Raleigh	Cambridge Village Apex	Cambridge Village Brier Creek
Adults & Orthopedic Peds (>5 yrs)	Adults & Orthopedic Peds (>5 yrs)	Adults & Orthopedic Peds (>5 yrs)	Adults & Peds Pelvic Peds (>5 yrs)	Adults & Orthopedic Peds (>5 yrs)	Adults & Orthopedic Peds (>5 yrs)	Adults & Orthopedic Peds (>5 yrs)	Adults & Orthopedic Peds (>5 yrs)
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WakeMed Rehabilitation Inpatient & Outpatient Data

The entire WakeMed Rehab team thanks the providers, patients and families who support our efforts to provide high-quality care and service across our care continuum. The following data is derived from admission and discharge information from October 1, 2019 through September 30, 2020.

Rehabilitation Hospital

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nu			DIGG	

Cerebrovascular Accident (Stroke)	28%
Orthopaedic	16%
Spinal Cord Injury	9%
Brain Injury	9%
Debility	11%
Multiple Trauma	11%
Amputee	7%

Our Patients with Stroke

Total Number	445
Average Age	65
Average Length of Stay	14 days

Our Patients with Orthopaedic Conditions

Total Number	255
Average Age	70
Average Length of Stay	14 days

Our Patients with Spinal Cord Injury

Total Number	145
Average Age	60
Average Length of Stav	21 days

Our Patients with Brain Injury

Total Number	147
Average Age	57
Average Length of Stay	18 days

Our Patients with Debility

Total Number	173
Average Age	67
Average Length of Stav	15 days

Our Patients with Multiple Trauma

Total Number	185
Average Age	49
Average Length of Stay	18 days

Our Patients with Amputations

Total Number	107
Average Age	60
Average Length of Stay	16 days

Pediatric Patients (ages 4-17)

Total Number	29
Average Age	14
Average Length of Stay	27 days

Outpatient Day Treatment Program

Day Treatment

Total Day Treatment Number	155
Total Visits	9,642
Overall Patient Satisfaction	97%

Admission Diagnosis

Cerebrovascular Accident (Stroke)	61%
Brain Injury	23%
Spinal Cord Injury	13%
Other Neuro Conditions	2%
Multiple Trauma	1%

Our Patients with Stroke

Total Number	101
Average Age	64
Average Length of Service	116 days

Our Patients with Spinal Cord Injury

Total Number	95
Average Age	61
Average Length of Service	118 days

Our Patients with Brain Injury

Total Number	20
Average Age	34
Average Length of Service	137 days

Pediatric Rehab Patients

(ages 4-17)	
Total Number	8
Average Age	14
Average Length of Service	112 days

For additional information about the WakeMed Day Treatment Program, please call 919-350-1711.



[support groups]

Due to COVID-19, many support groups are not meeting in person at this time. If you are interested in learning about a support group, please call the number provided. Some are meeting virtually.

WakeMed Amputee Support Group

For information, call 919-350-8903.

Triangle Brain Injury Support Group

For information, call 919-618-3003

Spinal Cord Injury Support Group

For information, call 919-350-8137 or email kvasquez@wakemed.org.

Cary Brain Injury Support Group

For information, call 919-244-6221.

Raleigh Stroke Support Group

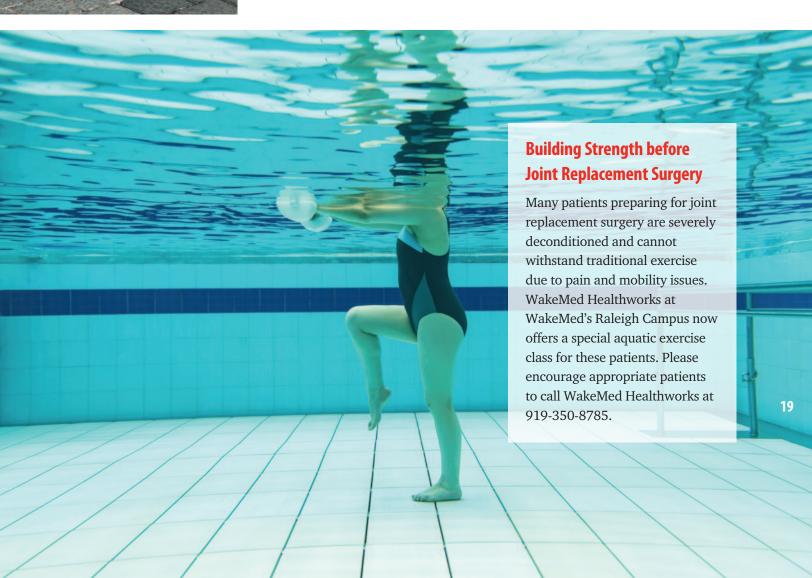
For information, call 919-350-4163.

Cary Stroke Support Group

For information, call 919-244-6221.

Clayton Stroke Support Group

For information, call 919-350-4174.





3000 New Bern Avenue Post Office Box 14465 Raleigh, North Carolina 27610-4465

ADDRESS SERVICE REQUESTED

To Make a Referral to WakeMed Rehab

Inpatient: 919-350-7876 Outpatient: 919-350-7000



ARE YOU ON THE LIST?

Be the First to Learn about New Specialty Rehab Programs for Your Patients

WakeMed Rehabilitation Hospital and Outpatient Rehab locations lead the region in offering specialized programming for complex adult and pediatric as well as workers compensation patients. Be the first to learn more about our services and programs. Send an email to dpowell@wakemed.org to join our email list. Don't worry! We are too busy with patients to fill your mailbox with emails. We will only share important news about new locations and services.

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