

Home Infusion and Specialty Pharmacy is our business —  
taking care of patients is our passion.

# Home Infusion and Specialty Pharmacy Services

CONTINUUM<sup>Rx</sup>  
*A Division of Principle Pharmacy Group, Inc.*





## OUR COMPANY

ContinuumRx enables hospitals to offer their providers and patients a full range of specialty pharmacy services.

Our entire team – pharmacists, nurses, care coordinators and insurance specialists – can assist with the unique needs of patients requiring infusion therapy and specialty services. We assist providers in developing comprehensive and medication care plans which are monitored and managed to ensure compliance.

## OUR HOME INFUSION AND SPECIALTY PHARMACY TEAM

The ContinuumRx team consists of infusion pharmacists, nurses, and registered dietitians trained in the specialized area of infusion therapy. Patients receive infusion therapy in the home with training and resources to meet their needs, as well as clinical monitoring by our team of pharmacists and nurses. Working closely with the physician directing the care, other medical professionals and patients, we provide the following services:

- Patient/caregiver training by highly specialized infusion nurses to encourages active participation in the therapy and understanding of the therapeutic goals while in the hospital
- Coordination of an overall home healthcare plan of infusion therapy
- Emotional support and counseling to ease the transition to home
- Infusion solutions compounded to precise specifications using state-of-the-art equipment
- Provision of technologically advanced equipment, supply delivery, and careful inventory control to ensure that patients have appropriate supplies on hand at all times
- Clinical monitoring of infusion patients
- Nutritional assessments performed by registered dietitians on Total Parenteral Nutrition (TPN) and enteral patients
- Monitoring of the patient's clinical status and treatment efficacy
- Monitoring patient compliance and tolerance of the therapy using evidence-based office visits and testing guidelines
- Identifying and communicating in a timely manner to physicians any related problems or reactions to permit appropriate adjustments
- Processing of claims to Medicare, Medicare HMOs, Medicaid, private insurance companies, and other coverage providers

ContinuumRx offers services in the greater Knoxville, Nashville and Memphis areas to serve your patients, and our service area reaches into Tennessee's contiguous states. We are proud of our in-depth patient education, comprehensive clinical programs and consistently high patient satisfaction ratings.



# OUR HOME INFUSION AND SPECIALTY PHARMACY SERVICES ▶

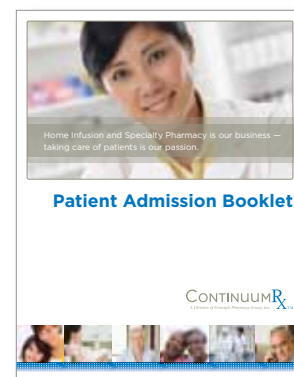
## EASE OF REFERRAL

Our clinical admission team and nurse liaisons work to assure seamless transition from the hospital into the home, and we are contracted with most government, private insurance and managed care payors. ContinuumRx is also available to coordinate the patient's home respiratory and medical equipment needs from a number of quality providers.

## PATIENT EDUCATION

Patient educational materials provide simple step-by-step instructions for ease of use by non-clinicians.

The ContinuumRx Patient Admission Booklet assures that all patients have the same general information. This booklet features important information for successful management of patient home therapy, their rights and responsibilities, safety measures, infection control, authorizations and consents, and other items.



## CARE PLANNING AND CARE COORDINATION

### Pharmacy Plan of Care

A licensed pharmacist with the necessary skills, training, and experience in infusion services will perform the patient's medication assessment. The Pharmacy Plan of Care may address:

- Problems, such as current treatment diagnosis or other situations that may arise during the normal course of therapy
- Interventions
- Monitoring parameters appropriate for therapeutic outcomes, including labs, weight changes, and other physical signs and symptoms (e.g., weakness, dizziness, fatigue, fever, sweating, palpitations, rash, respiratory difficulties, etc.)
- Goals or outcomes of therapy
- Lab orders

Reassessment is an ongoing process provided by the pharmacist, taking into consideration appropriateness, effectiveness, completeness, and patient satisfaction with the services provided. Changes are documented in patient progress notes and/or plan of care. New or revised patient treatment goals are communicated and reflected in a revised plan of care.

## Nursing Plan of Care

A registered nurse performs an assessment of the nursing needs for each patient, including type of catheter and catheter maintenance, dressing changes, patient education, and response to therapy.

## Care Coordination

ContinuumRx provides continuity of care through service coordination with providers and business partners, e.g., hospitals, home health agencies and medical equipment companies, as determined upon patient admission and assessment.

## PHARMACOKINETIC ASSESSMENTS

Pharmacists skilled in pharmacokinetics are available to assist physicians in determining drug, dose, and frequency. The pharmacokinetics assessment is a value-added service provided by ContinuumRx designed to assist physicians in assessing, evaluating and responding to their patients' home infusion therapy requirements.

After the patient is referred to ContinuumRx, our pharmacists will obtain patient data:

- Date of birth, height, weight
- Baseline laboratory data, including serum glucose, electrolytes, BUN, serum creatinine, CBC and/or other laboratory results to help guide drug therapy and patient response
- Current medication (dosage, frequency and schedule)

The Pharmacist will use this patient data to calculate:

- Creatinine clearance
- Elimination rate
- Volume of distribution
- Dosage recommendation
- Predicted steady-state peak and trough levels

The ordering/referring physician will be provided with a dosing consultation sheet individualized for the patient and will include clinical status update. The pharmacist monitoring the patient's response to therapy will provide a concise update on the patient's current status and will recommend appropriate modifications to the current course of therapy.

Benefits of this service:

- Continuation of services provided by hospital pharmacy
- Initial dosage calculation
- Prospective dosing and serum level analysis
- Patient dosage recommendations
- Less waste of medications
- Avoidance of adverse drug effects and toxicity
- Enhanced patient care and outcomes

## CLINICAL MONITORING

To ensure that all patients receive their care according to best practices, we feature:

- Weekly follow-up by nurses, pharmacists and support staff for compliance monitoring and patient support
- Our staff's years of clinical expertise to gather subjective data and/or objective data to monitor the patient's response to therapy
- A complete inventory of drugs and supplies to assure proper utilization
- Patient monitoring by a multi-disciplinary team, which develops an individualized plan of care for maximum clinical outcomes
- 24/7/365 access to nurses and pharmacists
- Ambulatory infusion systems featuring a wide variety of up-to-date infusion systems to meet the individual needs of each patient

## I.V. ANTIBIOTIC/INFECTIOUS DISEASE TREATMENT

ContinuumRx can treat a wide range of diagnoses, offering multiple ambulatory antibiotic infusion systems and access routes by an experienced infusion team of professionals. This includes, but is not limited to:

- Abscesses
- Bacteremia
- Endocarditis
- Candidiasis
- Cellulitis
- Chronic Urinary Tract Infections
- Gastroenteritis
- Cytomegalovirus (CMV)
- Lyme Disease
- Osteomyelitis
- Pelvic Inflammatory Disease
- Peritonitis
- *Pneumocystis carinii* Pneumonia
- Pneumonia
- Pyelonephritis
- Sepsis
- Septic Arthritis
- Transplant-Related Infections



## MEDICATIONS & THERAPIES

We provide injectable medications and disease state therapy management services for a variety of illnesses. Our medications are prepared to exact specifications to meet the needs of our patients. Medications and therapies include, but are not limited, to:

- Antibiotic, Antiviral and Antifungal
- Chemotherapy
- Desferal®
- Enteral Therapy
- Hemophilia Factor Products
- Human Growth Hormone
- Hydration
- Inotropics
- IVIG
- Remicade®
- Steroids
- Total Parenteral Nutrition (TPN)

## DISEASE STATE MANAGEMENT

ContinuumRx strives to provide for the total medication management needs and care coordination for each patient, with specific emphasis on the following disease states to achieve maximum compliance and optimum patient outcomes:

- Congestive Heart Failure
- Crohn's/Colitis
- Hemophilia
- Immune Deficiency Disorders
- Chronic Pain

## TOTAL PARENTERAL NUTRITION THERAPY (TPN)

To determine the appropriateness of TPN for a physically stable, relatively mobile individual requiring prolonged nutritional support, an evaluation is performed to assess:

- An individual's inability to tolerate oral food or meet nutritional needs through enteral feeding
- The severity of underlying medical conditions and degree of malnutrition
- The appropriateness of a home environment, i.e., clean, safe living conditions for TPN administration
- The available assistance of an active knowledgeable caregiver, i.e., nurse, family member, or neighbor
- The psychosocial makeup of the patient, i.e., physical limitations and disabilities
- The ability to learn and master TPN administration and catheter maintenance skills

Our pharmacy computer programs allows us to provide the physician with complete and concise information for each patient receiving TPN therapy. Each patient receives an initial assessment of his or her current nutritional status, basal energy expenditure and energy replacement needs based upon the patient's disease state, activity levels, laboratory values, and current nutrition order.

A summary of these items above – as well as recommendations for optimizing the patient's nutritional status, blood chemistry balance, and nutrition order – will be provided by the pharmacist or dietitian monitoring the patient. Ongoing assessment of the patient's achievement of nutritional goals listed below will be provided:

- Concise information regarding the current nutritional status and nutritional deficit for each patient
- Standard formulas for energy expenditure used to determine a patient's daily energy needs
- Evaluation of other metabolic needs, including blood chemistry values, renal function, and CBC to provide recommendations based on a complete assessment of the patient's metabolic status
- Information about the patient's current nutrition prescription, using the ASPEN recommended format
- Progress notes provide a short description of how the current formula is meeting the patient's nutritional needs. The pharmacist or dietitian monitoring the patient's response to therapy will provide a concise update on the patient's current status and will recommend appropriate modifications to the current course of therapy

**ContinuumRx also offers enteral therapy products and services to provide comprehensive nutritional support.**



## FOR MORE INFORMATION

For more information on home referrals or home infusion and specialty pharmacy services, call your local ContinuumRx Clinical Liaison, or contact us at:

### ***Knoxville***

2210 Sutherland Avenue, Suite 112  
Knoxville, TN 37919  
800-665-2850 *Toll-Free*  
865-525-4886 *Local*  
865-934-0249 *Fax*

### ***Nashville***

730 Cool Springs Blvd, Suite 110  
Franklin, TN 37067  
800-665-2850 *Toll Free*

### ***Memphis***

8765 Chaffee Drive, Suite 102  
Arlington, TN 38002  
866-282-8211 *Toll Free*  
901-373-5000 *Local*  
901-386-4889 *Fax*





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