

3.10 Renal Dialysis (Acute and Chronic) Centers

Appendix material, which appears in shaded boxes at the bottom of the page, is advisory only.

1 General

1.1 Functional Program

1.1.1 Number of Stations

The number of dialysis stations shall be based upon the functional program and may include several work shifts per day.

1.1.2 Facility Size

Space and equipment shall be provided as necessary to accommodate the functional program, which may include outpatient dialysis, home treatment support, and dialyzer reuse services.

1.2 Site

The location shall offer convenient access for outpatients. Accessibility to the renal dialysis center from parking and public transportation shall be a consideration.

2 Diagnostic and Treatment Areas

2.1 Examination Room

An examination room with hand-washing stations and writing surface shall be provided with at least 100 square feet (9.29 square meters).

2.2 Treatment Area(s)

2.2.1 Layout

2.2.1.1 The treatment area shall be permitted to be an open area and shall be separate from administrative and waiting areas.

2.2.1.2 The open treatment area shall be designed to provide privacy for each patient.

2.2.2 Space Requirements

2.2.2.1 Individual patient treatment areas shall contain at least 80 square feet (7.44 square meters).

2.2.2.2 There shall be at least a 4-foot (1.22-meter) space between beds and/or lounge chairs.

2.2.3 Nurse Station(s)

Nurse station(s) shall be located within the dialysis treatment area and designed to provide visual observation of all patient stations.

2.2.4 Hand-Washing Stations

2.2.4.1 These shall be convenient to the nurse station and patient treatment areas.

2.2.4.2 There shall be at least one hand-washing station serving no more than four patient stations. These shall be uniformly distributed to provide equal access from each patient station.

2.3 Special Treatment Area(s)

2.3.1 Airborne Infection Isolation Room(s)

2.3.1.1 The number of and need for required airborne infection isolation rooms shall be determined by an ICRA.

2.3.1.2 Where required, the airborne infection isolation room(s) shall comply with the requirements of Section 2.1-3.2.2.

2.3.2 Bloodborne Infection Isolation Room(s)

Facilities that dialyze patients with known bloodborne pathogens shall have at least one separate room to use for those patients.

2.3.3 Home Training Room

If home training is provided at the center, the following requirements shall be met:

2.3.3.1 A private treatment area of at least 120 square feet (11.15 square meters) shall be provided for patients who are being trained to use dialysis equipment at home.

2.3.3.2 This room shall contain counter, hand-washing stations, and a separate drain for fluid disposal.

3.10 RENAL DIALYSIS (ACUTE AND CHRONIC) CENTERS

2.4 Support Areas for the Renal Dialysis Treatment Center

2.4.1 Medication Station

If required by the functional program, there shall be a medication dispensing station for the dialysis center.

2.4.1.1 A work counter and hand-washing stations shall be included in this area.

2.4.1.2 Provisions shall be made for the controlled storage, preparation, distribution, and refrigeration of medications.

2.4.2 Nourishment Station

If a nourishment station for the dialysis service is provided, it shall contain a sink, a work counter, a refrigerator, storage cabinets, and equipment for serving nourishment as required.

2.4.3 Clean Workroom or Clean Supply Room

A clean workroom and/or clean supply room shall be provided. Such rooms shall be separated from the soiled workroom and have no direct connection to it.

2.4.3.1 Clean workroom. If the room is used for preparing patient care items, it shall contain a work counter, a hand-washing station, and storage facilities for clean and sterile supplies.

2.4.3.2 Clean supply room. If the room is used only for storage and holding as part of a system for distribution of clean and sterile materials, the work counter and hand-washing station may be omitted.

2.4.4 Soiled Workroom

A soiled workroom shall be provided. It shall contain a flushing-rim sink, hand-washing station, work counter, storage cabinets, waste receptacles, and a soiled linen receptacle.

2.4.5 Housekeeping Room

A housekeeping closet shall be provided. The closet shall contain a floor receptor or service sink and storage space for housekeeping supplies and equipment.

2.5 Support Areas for Staff

Appropriate area(s) shall be available for staff clothing change and lounge functions. Clothing change area(s) shall contain lockers, shower, toilet, and hand-washing stations.

2.6 Support Areas for Patients

2.6.1 Patient Toilet

A patient toilet with hand-washing station shall be provided. It shall be equipped with an emergency call station.

2.6.2 Patient Storage Space

Storage for patients' belongings shall be provided.

3 Service Areas

3.1 Reprocessing Room

If dialyzers are reused, a reprocessing room shall be provided and sized to perform the functions required.

3.1.1 Layout

The room shall include one-way flow of materials from soiled to clean.

3.1.2 Facility Requirements

The room shall have provisions for refrigeration for temporary storage of dialyzers, decontamination/cleaning areas, sinks, processors, computer processors and label printers, a packaging area, and dialyzer storage cabinets.

3.1.3 Ventilation Requirements

Engineering controls shall be required to provide negative pressure relative to adjoining spaces and 100 percent exhaust to outside.

3.2 Equipment and Supply Storage

3.2.1 Locations

3.2.1.1 Supply areas or supply carts shall be provided.

3.2.1.2 Storage space out of the direct line of traffic shall be available for wheelchairs and stretchers, if stretchers are provided.

3.2.2 Clean Linen Storage

If blankets or other linen is used, a clean linen storage area shall be provided.

3.2.2.1 Location of the clean linen storage area within the clean workroom, a separate closet, or an approved distribution system shall be permitted.

3.2.2.2 If a closed cart system is used, storage in an alcove shall be permitted. It must be out of the path of normal traffic and under staff control.

3.2.3 Dialysis Solutions Preparation Room

Each facility using a central batch delivery system shall provide, either on the premises or through written arrangements, individual delivery systems for the treatment of any patient requiring special dialysis solutions. The mixing area shall include a sink, storage space, and holding tanks.

3.3 Equipment Repair Room

If required by the functional program, an equipment repair and breakdown room shall be equipped with a hand-washing station, deep service sink, work counter, and storage cabinet.

4 Administrative and Public Areas

4.1 Public Areas

A waiting room, toilet room with hand-washing stations, provisions for drinking water, public telephone, and seating accommodations for waiting periods shall be available or accessible to the dialysis center.

4.2 Administrative Areas

Office and clinical work space shall be available for administrative services.

5 Building Systems

5.1 Plumbing

*5.1.1 Piping

All dialysis system piping shall be readily accessible for inspection and maintenance. Design consideration shall be given to the disposal of liquid waste from the dialyzing process to prevent odor and backflow.

5.1.2 Plumbing

In new construction and renovation where hemodialysis or hemoperfusion are routinely performed, hand-washing stations shall have a separate water supply and drainage facility that does not interfere with hemodialysis piping. See Section 3.1-7.1.2.2 (2).

5.1.3 Water Treatment Equipment Room

The water treatment equipment shall be located in an enclosed room.

5.2 Heating, Ventilating and Air-Conditioning Systems

5.2.1 Reprocessing Room Ventilation Requirements

Engineering controls shall be required to provide negative pressure relative to adjoining spaces and 100 percent exhaust to outside.

APPENDIX

A5.1.1 All installed reverse osmosis water and dialysis solution piping should be accessible.