

Appendix

Funding & Planning

Table of Contents

- 3 Glossary
- 4 Checklist for Costs Related to Infrastructure for HD in the Home

Glossary

The following terms and definitions are specific to dialysis, as discussed in this module.

- **Direct costs:** Those directly attributable to the dialysis procedure, including capital costs and the portion of operating costs specific to the provision of dialysis. This will include the cost of dialysis machinery and consumables, and salaries for dialysis staff
- **Dominant (health economics):** The intervention costs less and is at least as effective as the alternative
- **Indirect costs:** Those costs are not directly attributable to the dialysis procedure, and include costs for overhead, management, insurance, taxes, maintenance, and accommodation
- **Payer:** The organization that pays for dialysis-related hospital or medical bills instead of the patient. This is often a government-contracted intermediary, an insurance carrier, or managed-care organization
- **Provider:** Hospitals, physician groups, commercial entities, or other healthcare agencies such as a large dialysis organization that are contracted for the direct delivery of dialysis to the patient
- **Vendor:** A commercial entity that is engaged by providers in the normal course of business. This is often a manufacturer of dialysis machinery or a reseller

Checklist for Costs Related to Infrastructure for HD in the Home

Patient Training and Assessment

- For example, training in the dialysis clinic, hospital, or patient's home
- Staff visits to the home and associated travel costs

The Patient Dwelling

- Housing improvements/construction/retrofitting/repairs needed for dialysis-related alterations. Written instructions should be available concerning who is responsible for paying for dwelling alterations in connection with dialysis installation, and how often requirements are to be reassessed
 - Rental properties may have restrictions on what can be modified and whether the dwelling will need to be returned to its original condition if the patient relocates
- Extra dialysis outlets (eg, weekend cottage)
- The patient may choose to relocate at some point while undergoing home HD. What costs are required to restore home/rental unit to predialysis state? The economic consequences and responsibilities of this action should be outlined and planned for in all legal agreements
- Tax considerations. Some dwelling modifications may be tax deductible for patients

HD Machine

- Rent or purchase
- Repairs and maintenance
- Replacement

Checklist for Costs Related to Infrastructure for HD in the Home (cont'd)

Furnishing and Equipment

- Chair
- Scales
- Cupboard
- Lighting
- Refrigerator
- Leak detectors
- Blood pressure equipment

Water Supply

- Installation and required modifications in the home
- Water purification
- Water consumption
 - Public water rates can be quite high due to local water shortages or environmental considerations
 - Consider reduction in flow rates to 200 mL/min for long dialysis regimens (eg, nocturnal HD)
 - Water supplied by dialysis vendors may be expensive
- Maintenance

Water Quality Testing

- Cost of testing (eg, provided by the nephrology service or outsourced to a private company)
- Frequency
- Staff required to perform testing

Checklist for Costs Related to Infrastructure for HD in the Home (cont'd)

- Water Disposal
 - Local requirements
- Plumbing (see Water Supply)
- Electricity Supply
 - Installation and required modifications in the home
 - Safety considerations (eg, additional grounding of electrical wires)
 - Power surge protector
 - Backup supply (eg, generator)
 - Electricity consumption
 - Maintenance
- Waste Disposal
 - Requirement for extra waste bins
 - Local restrictions and special disposal
- Communications
 - Telephone
 - Internet

Checklist for Costs Related to Infrastructure for HD in the Home (cont'd)

Disposables

- Filters (single use or reusable)
- Dialysis lines
- Needles
- Dressings and plaster
- Disinfectants
- Fluids
- Delivery charges

Medicines

- Drugs associated with dialysis process (eg, erythropoietin, intravenous iron)
- Fluids (sodium chloride)

Assistance

- Most dialysis programs expect the dialysis to be performed by the patient, with the possible assistance of an unpaid family member. If paid assistance in the home is considered, the cost of this also needs to be calculated in overall costs
- Respite care for patient