

Dialysis and Renal Devices and Supplies

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Introduction

This guideline addresses dialysis and renal devices and supplies.

Health Equity Consideration

Health equity is the highest level of health for all individuals; health inequity is the avoidable difference in health status or distribution of health resources due to the social conditions in which individuals are born, grow, live, work, and age. Social determinants of health are the conditions in the environment that affect a wide range of health, functioning, and quality of life outcomes and risks. Examples include the following: safe housing, transportation, and neighborhoods; racism, discrimination, and violence; education, job opportunities, and income; access to nutritious foods and physical activity opportunities; access to clean air and water; and language and literacy skills.

Criteria

Dialysis and renal devices and supplies are considered medically necessary when **all** of the following conditions are met:

- The individual has renal disease.
- The individual is clinically stable on dialysis.
- The individual or caregiver has completed training in home dialysis protocol.
- The individual has no documented complications or comorbidities that would cause home dialysis to be unsafe or unsuitable.
- The individual has well-functioning vascular access.

Evidence Discussion

A 2024 review by Corbett showed that home dialysis therapies, including peritoneal dialysis and home hemodialysis, offered measurable advantages in quality of life, treatment flexibility, and autonomy when compared with in-center hemodialysis. Peritoneal dialysis was shown to be feasible for a broad range of individuals because of its shorter training requirements, relative simplicity, and effectiveness in those with residual kidney function. The author also demonstrated that assisted peritoneal dialysis and the adoption of person-centered prescribing approaches expanded access to home

therapies, particularly for older adults or individuals with functional limitations. Home hemodialysis was associated with improved fluid control in those who had lost residual kidney function, though training requirements were more intensive. Technological advances, including the development of smaller and more portable hemodialysis systems, appeared to reduce historical barriers to training and home implementation. Overall, the evidence supported that expanded access to home dialysis, facilitated by technological innovation and structured support models, had the potential to improve individual experience without compromising clinical outcomes.

In a 2023 review by Abra et. al, the authors portrayed home dialysis as a modality that supported greater autonomy and individualized care, noting practical and clinical advantages when programs were intentionally designed and resourced. Home therapies reduced travel burden and allowed treatment schedules to be tailored around work and family obligations. Programs that offered both peritoneal dialysis and home hemodialysis facilitated seamless home-to-home transitions when clinical needs changed. Larger, well-trained programs were associated with lower peritonitis rates and fewer transfers back to in-center hemodialysis. Assisted peritoneal dialysis expanded access for older or functionally limited individuals while achieving comparable or favorable outcomes for quality of life, technique survival, peritonitis risk, and hospitalization relative to matched comparators. The review also emphasized that structured training, home visits, and interdisciplinary staffing enabled safe initiation and retention on home modalities, while Transitional Care Units increased the likelihood that incident dialysis starts converted to home therapy by addressing knowledge gaps and anxiety early in the course. The review concluded that home dialysis is a clinically appropriate, patient-centered pathway that could maintain stability, reduce facility dependence, and align therapy with individual goals when programs incorporated robust training, infection-prevention processes, and supportive policies.

Codes

Note:

Items are in a consolidated payment per dialysis session and are unable to be requested separately or unbundled.

HCPCS code descriptions

HCPCS Code	Description
A4651	Calibrated microcapillary tube, each
A4652	Microcapillary tube sealant

HCP Code	Description
A4653	Peritoneal dialysis catheter anchoring device, belt, each
A4671	Disposable cyclor set used with cyclor dialysis machine, each
A4672	Drainage extension line, sterile, for dialysis, each
A4673	Extension line with easy lock connectors, used with dialysis
A4674	Chemicals/antiseptics solution used to clean/sterilize dialysis equipment, per 8 oz
A4680	Dialyzer (artificial kidneys), all types, all sizes, for hemodialysis, each activated carbon filter for hemodialysis, each
A4690	Dialyzer (artificial kidneys), all types, all sizes, for hemodialysis, each
A4706	Bicarbonate concentrate, solution, for hemodialysis, per gallon
A4707	Bicarbonate concentrate, powder, for hemodialysis, per packet
A4708	Acetate concentrate solution, for hemodialysis, per gallon
A4709	Acid concentrate, solution, for hemodialysis, per gallon
A4714	Treated water (deionized, distilled, or reverse osmosis) for peritoneal dialysis, per gallon
A4719	"y set" tubing for peritoneal dialysis
A4720	Dialysate solution, any concentration of dextrose, fluid volume greater than 249 cc, but less than or equal to 999 cc, for peritoneal dialysis
A4721	Dialysate solution, any concentration of dextrose, fluid volume greater than 999 cc but less than or equal to 1999 cc, for peritoneal dialysis
A4722	Dialysate solution, any concentration of dextrose, fluid volume greater than 1999 cc but less than or equal to 2999 cc, for peritoneal dialysis
A4723	Dialysate solution, any concentration of dextrose, fluid volume greater than 2999 cc but less than or equal to 3999 cc, for peritoneal dialysis

HCPSC Code	Description
A4724	Dialysate solution, any concentration of dextrose, fluid volume greater than 3999 cc but less than or equal to 4999 cc, for peritoneal dialysis
A4725	Dialysate solution, any concentration of dextrose, fluid volume greater than 4999 cc but less than or equal to 5999 cc, for peritoneal dialysis
A4726	Dialysate solution, any concentration of dextrose, fluid volume greater than 5999 cc, for peritoneal dialysis
A4728	Dialysate solution, non-dextrose containing, 500 ml
A4730	Fistula cannulation set for hemodialysis, each
A4736	Topical anesthetic, for dialysis, per gram
A4740	Shunt accessory, for hemodialysis, any type, each
A4750	Blood tubing, arterial or venous, for hemodialysis, each
A4755	Blood tubing, arterial and venous combined, for hemodialysis, each
A4760	Dialysate solution test kit, for peritoneal dialysis, any type, each
A4765	Dialysate concentrate, powder, additive for peritoneal dialysis, per packet
A4766	Dialysate concentrate, solution, additive for peritoneal dialysis, per 10 ml
A4770	Blood collection tube, vacuum, for dialysis, per 50
A4771	Serum clotting time tube, for dialysis, per 50
A4772	Blood glucose test strips, for dialysis, per 50
A4773	Occult blood test strips, for dialysis, per 50
A4774	Ammonia test strips, for dialysis, per 50
A4802	Protamine sulfate, for hemodialysis, per 50 mg
A4860	Disposable catheter tips for peritoneal dialysis, per 10
A4870	Plumbing and/or electrical work for home hemodialysis equipment
A4890	Contracts, repair and maintenance, for hemodialysis equipment
A4911	Drain bag/bottle, for dialysis, each
A4918	Venous pressure clamp, for hemodialysis, each

HCPSC Code	Description
A4928	Surgical mask, per 20
A4929	Tourniquet for dialysis, each
E1500	Centrifuge, for dialysis
E1510	Kidney, dialysate delivery syst kidney machine, pump recirculating, air removal syst, flowrate meter, power off, heater and temperature control with alarm, i.v. poles, pressure gauge, concentrate container
E1520	Heparin infusion pump for hemodialysis
E1530	Air bubble detector for hemodialysis, each, replacement
E1540	Pressure alarm for hemodialysis, each, replacement
E1550	Bath conductivity meter for hemodialysis, each
E1560	Blood leak detector for hemodialysis, each, replacement
E1570	Adjustable chair, for esrd patients
E1575	Transducer protectors/fluid barriers, for hemodialysis, any size, per 10
E1580	Unipuncture control system for hemodialysis
E1590	Hemodialysis machine
E1592	Automatic intermittent peritoneal dialysis system
E1594	Cycler dialysis machine for peritoneal dialysis
E1600	Delivery and/or installation charges for hemodialysis equipment
E1610	Reverse osmosis water purification system, for hemodialysis
E1615	Deionizer water purification system, for hemodialysis
E1620	Blood pump for hemodialysis, replacement
E1625	Water softening system, for hemodialysis
E1630	Reciprocating peritoneal dialysis system
E1634	Peritoneal dialysis clamps, each
E1635	Compact (portable) travel hemodialyzer system
E1636	Sorbent cartridges, for hemodialysis, per 10
E1699	Dialysis equipment, not otherwise specified

References

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