MEASURES ASSESSMENT TOOL (MAT)

Tag	Condition/Standard 🗪	Measure 🗪	Values -	Reference -	Source
194.40	Water and dialysate quality:				
196	Water quality; test for total chlorine	Max. total chlorine (includes chloramines)	≤0.1 mg/L daily/shift	AAMI RD52	Records
/178	Water & dialysate quality/test for microbiological	Action / Max. bacteria – product water / dialysate	50 CFU/mL / <200 CFU/mL		
/180	contamination	Action / Max. endotoxin - product water / dialysate	1 EU/mL / <2 EU/mL (endotoxin units)		
494.50	Reuse of hemodialyzers and blood lines (only appli				
/336	Dialyzer effectiveness	Total cell volume (TCV) of (hollow fiber dialyzers	Measure original volume/TCV	KDOQI HD Adequacy 2006	Records
	Sidif Cor officerious	Total ook folding (1017) of (notion liber distriction	Discard if after reuse <80% of original TCV	AAMI RD47	Interview
194 80	Patient assessment: The interdisciplinary team (IDT)	natient/designee RN MSW RD physician must prov	ide each patient with an individualized & comprehensive		- Interview
V502	- Health status/comorbidities	Medical/nursing history, physical exam findings	Refer to Plan of care & QAPI sections (below) for values	Conditions for Coverage	Chart
V502	- Dialysis prescription	- Evaluate: HD every mo; PD first mo & q 4 mo	There to Fight of care & QAFT sections (below) for values	KDOQI Guidelines (see POC)	Interview
V504	- BP & fluid management	- Interdialytic BP & wt gain, target wt, symptoms		NBOQ1 Galdelines (See 1 GG)	11 ICT AICA
V505	- Lab profile	- Monitor labs monthly & as needed			
V506	- Immunization & meds history	- Pneumococcal, hepatitis, influenza; med allergies			
V507	- Anemia (Hgb, Hct, iron stores, ESA need)	- Volume, bleeding, infection, ESA hypo-response			
V508	- Renal bone disease	- Calcium, phosphorus, PTH & medications			
V509	- Nutritional status	- Multiple elements listed			
V510	- Psychosocial needs	- Multiple elements listed			
V510	- Dialysis access type & maintenance	- Access efficacy, fistula candidacy			1
V512	- Abilities, interests, preferences, goals, desired	- Reason why patient does not participate in care, reason			l
V J 1 Z	participation in care, preferred modality & setting,	why patient is not a home dialysis candidate			1
	expectations for outcomes	Willy patient is not a nome diaryon candidate			
V513	- Suitability for transplant referral	- Reason why patient is not a transplant candidate			
V514	- Family & other support systems	- Composition, history, availability, level of support			1
	- Current physical activity level & referral to vocational &	- γ pilities χ partiers to independent living, achieving			
V515 194.90 BSSESS	ment & changes in the patient's condition, & must inclu	de measurable & expected outcomes & estimated time	cifies the services necessary to address the patient's necessary to address the patient's necestables to achieve outcomes. Outcome goals must be cor	sistent with current professionall	y accepted
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Sources: DFR=Dialysis Facility Reports; CW=CROWNWeb; Chart=Patient Chart; Records=Facility Records; Interview=Patient/Staff Interview; Abbreviations: BCG/BCP=bromcresol green/purple BMI=Body mass index; CAHPS=Consumer Assessment of Healthcare Providers & Services; CFU=colony forming units; CHI=reliculocyte hemoglobin; CMS CPM=CMS Clinical Performance Measure; DOPPS=Dialysis Outcomes & Practice Patterns Study; ESA=erythropoiesis stimulating agent; KDIGO=Kidney Disease Improving Global Outcomes; KDOQI=Kidney Disease Outcomes Quality Initiative, nPCR=normalized protein catabolic rate; NQF=National Quality Forum; RKF=residual kidney function; SD=standard deviation; spKt/V=single pool Kt/V

MEASURES ASSESSMENT TOOL (MAT)

Tag	Condition/Standard 🗪	Measure -	Values -	Reference -	Source
/550 /551	(5) Vascular access (HD)	Fistula Graft Central Venous Catheter	Preferred, if appropriate <sup>4,5,7,8</sup> Acceptable if fistula not possible or appropriate <sup>5,6</sup> Acceptable if evaluated for fistula/graft <sup>6,8</sup> , if transplant soon, or if AVF/AVG not possible in small adult or peds pt <sup>6</sup>	4NQF #0257  5KDOQI Vascular Access 2006  6NQF #0251  7NQF #0256; 8Fistula First	Chart Interview
V552	(6) Psychosocial status	Survey physical & mental functioning by standardized tool, e.g.KDQOL-36 survey or age appropriate survey	Documentation of action in response to results	Conditions for Coverage	Chart Interview
V553 V554	(7) Modality	Home dialysis referral Transplantation referral	Candidacy or reason for non-referral	Conditions for Coverage	Chart Interview
V555	(8) Rehabilitation status	Productive activity desired by patient Pediatric: formal education needs met Vocational & physical rehab referrals as indicated	Achieve & sustain appropriate level, unspecified	Conditions for Coverage	Chart Interview
V562	(d) Patient education & training	Dialysis experience, treatment options, self-care, QOL, infection prevention, rehabilitation	Documentation of education in record	Conditions for Coverage	Chart Interview
	on of medical errors. The dialysis facility must maintain late patient outcomes.  Health outcomes: Physical & mental functioning  Health outcomes: Patient hospitalization	Survey adult/pediatric patients by standardized tool, e.g. KDQOL-36 survey or age appropriate survey  Standardized hospitalization ratio (1.0 is average, >1.0 is	Achieve & sustain appropriate status  † % of eligible patients completing survey  unplanned hospitalizations	RD Network's goals for targets for Conditions for Coverage  Conditions for Coverage	Records
V628	Health outcomes: Patient survival	worse than average, <1.0 is better than average) Standardized mortality ratio (1.0 is average, >1.0 is worse	‡ mortality	Conditions for Coverage	Records DFR
V629	(i) HD adequacy (monthly)	than average, <1.0 is better than average)  HD: Adult (patient with ESRD ≥3 mo)	↑ % with spkt/V ≥1.2 or URR ≥65% if 3 times/week dialysis and stdKt/V ≥2.0/week if 2 or 4-6 times/week dialysis	Conditions for Coverage NQF #0249 (adult) NQF #1423 (peds)	DFR Record
V629	<ul><li>(i) PD adequacy (rolling average, each patient tested ≤4 months)</li></ul>	PD: Adult	↑ % with weekly Kt/V <sub>urea</sub> ≥1.7 (dialysis+RKF)	Conditions for Coverage NQF #0318	DFR Record
V630	(ii) Nutritional status	Facility set goals; refer to parameters listed in V509	† % of patients within lab target range on albumin and other nutritional parameters set by the facility	Conditions for Coverage; KDOQI Nutrition 2000 KDOQI CKD 2002	Records
V631	(iii) Mineral metabolism/renal bone disease	Calcium, phosphorus, & PTH	↑ % in target range on all measures monthly	Conditions for Coverage	Record
V632	(iv) Anemia management Monitor patients on ESAs &/or patients not taking ESAs	Anemia symptoms Blood transfusion Serum ferritin & transferrin saturation or CHr Patient education on ESAs	↓% of patients with anemia symptoms ↓ % of patients (esp. transplant candidates) transfused Evaluate if indicated ↑% of patients educated about potential risks/benefits	FDA 6/24/11 for more info re CKD 5D recommendation	DFR Records Interview
V633	(v) Vascular access (VA) Evaluation of VA problems, causes, solutions	Cuffed catheters > 90 days AV fistulas for dialysis using 2 needles, if appropriate Thrombosis episodes Infections per use-life of access VA patency	↓ to <10%  ↑ to ≥65% or ≥66%  ↓ to <0.25/pt-yr at risk forfistulas; 0.50/pt-yr at risk for (grafts  ↓ to <1% (fistula); <10% (graft)  ↑ % with fistula >3 yrs & graft >2 yrs	<sup>5</sup> KDOQI Vascular Access2006 <sup>8</sup> Fistula First	DFR Records
V634	(vi) Medical injuries & medical errors identification	Medical injuries & medical errors reporting	frequency through prevention, early identification & root cause analysis	Conditions for Coverage	Records
V635	(vii) Reuse	Evaluation of reuse program including evaluation & reporting of adverse outcomes	↓ adverse outcomes	Conditions for Coverage	Records
V636	(viii) Patient satisfaction & grievances	Report & analyze grievances for trends CAHPS In-Center Hemodialysis Survey or other survey	Prompt resolution of patient grievances	Conditions for Coverage	Record: Intervie
V637	(ix) Infection control	Analyze & document incidence for baselines & trends	Minimize infections & transmission of same Promote immunizations	Conditions for Coverage	DFR Record
V637	Vaccinations	Hepatitis B, influenza, & pneumococcal vaccines Influenza vaccination by facility or other provider	Documentation of education in record  † % of patients vaccinated on schedule  † % of patients receiving flu shots 10/1-3/31	Conditions for Coverage  NQF #0226	Records DFR

Sources: DFR=Dialysis Facility Reports; CW=CROWNWeb; Chart=Patient Chart; Records=Facility Records; Interview=Patient/Staff Interview; Abbreviations: BCG/BCP=bromcresol green/purple BMI=Body mass index; CAHPS=Consumer Assessment of Healthcare Providers & Services; CFU=colony forming units; CHr=reticulocyte hemoglobin; CMS CPM=CMS Clinical Performance Measure; DOPPS=Dialysis Outcomes & Practice Patterns Study; ESA=erythropoiesis stimulating agent; KDIGO=Kidney Disease Untcomes; KDOQI=Kidney Disease Outcomes Quality Initiative, nPCR=normalized protein catabolic rate; NQF=National Quality Forum; RKF=residual kidney function; SD=standard deviation; spKt/V=single pool Kt/V