MEASURES ASSESSMENT TOOL (MAT)

Tag	Condition/Standard	Measure	Values	Reference	Source
) Water and dialysate quality:		Vuide5		oouroc
		May total ablasian (includes ablassings)			Deservis
V196	Water quality; test for total chlorine	Max. total chlorine (includes chloramines)	≤0.1 mg/L daily/shift	AAMI RD52	Records
V178	Water & dialysate quality/test for microbiological	Action / Max. bacteria – product water / dialysate	50 CFU/mL / <200 CFU/mL		
V180	contamination	Action / Max. endotoxin – product water / dialysate	1 EU/mL / <2 EU/mL (endotoxin units)		
) Reuse of hemodialyzers and blood lines (only appl				
V336	Dialyzer effectiveness	Total cell volume (TCV) of (hollow fiber dialyzers	Measure original volume/TCV	KDOQI HD Adequacy 2006	Records
			Discard if after reuse <80% of original TCV	AAMI RD47	Interview
) Patient assessment: The interdisciplinary team (IDT)		ide each patient with an individualized & comprehensive		
V502	 Health status/comorbidities 	- Medical/nursing history, physical exam findings	Refer to Plan of care & QAPI sections (below) for values	Conditions for Coverage	Chart
V503	- Dialysis prescription	- Evaluate: HD every mo; PD first mo & q 4 mo		KDOQI Guidelines (see POC)	Interview
V504	- BP & fluid management	 Interdialytic BP & wt gain, target wt, symptoms 			
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			
V511	 Dialysis access type & maintenance 	- Access efficacy, fistula candidacy			
V512	- Abilities, interests, preferences, goals, desired	- Reason why patient does not participate in care, reason			
	participation in care, preferred modality & setting,	why patient is not a home dialysis candidate			
	expectations for outcomes				
V513	- Suitability for transplant referral	- Reason why patient is not a transplant candidate			
V514	- Family & other support systems	- Composition, history, availability, level of support			
		- Abilities & barriers to independent living; achieving			
V515	- Current physical activity level & referral to vocational &	- Abilities & barriers to independent living, demoving			
V515	- Current physical activity level & referral to vocational & physical rehabilitation				
	physical rehabilitation	physical activity, education & work goals	cifies the services necessary to address the patient's ne	eds as identified by the comprehe	ensive
494.90	physical rehabilitation) Plan of care The IDT must collaboratively develop & i	physical activity, education & work goals implement a written, individualized plan of care that spe	cifies the services necessary to address the patient's nerestables to achieve outcomes. Outcome goals must be con-		
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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; CHr=reticulocyte 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
V550	(5) Vascular access (HD)	Fistula	Preferred, if appropriate ^{4,5,7,8}	4NQF #0257	Chart
V551		Graft	Acceptable if fistula not possible or appropriate ^{5,6}	5KDOQI Vascular Access 2006	Interview
		Central Venous Catheter	Acceptable if evaluated for fistula/graft 6,8, if transplant	6NQF #0251	
			soon, or if AVF/AVG not possible in small adult or peds pt5	7NQF #0256; 8Fistula First	
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	(7) Modality	Home dialysis referral	Candidacy or reason for non-referral	Conditions for Coverage	Chart
V554	(1) modulity	Transplantation referral		contailione for coverage	Interview
V555	(8) Rehabilitation status	Productive activity desired by patient	Achieve & sustain appropriate level, unspecified	Conditions for Coverage	Chart
	(1)	Pediatric: formal education needs met	· · · · · · · · · · · · · · · · · · ·		Interview
		Vocational & physical rehab referrals as indicated			
V562	(d) Patient education & training	Dialysis experience, treatment options, self-care, QOL,	Documentation of education in record	Conditions for Coverage	Chart
	()	infection prevention, rehabilitation		ő	Interview
494.11	10 Quality assessment & performance improvemen		maintain, & evaluate an effective, data-driven QAPI prog	ram with participation by the prof	essional
			arrangement), & must focus on indicators related to impro		
			continuous monitoring for CMS review. Refer to your ES		
	gate patient outcomes.			in a goals for largets in	01
V628	Health outcomes: Physical & mental functioning	Survey adult/pediatric patients by standardized tool, e.g.	Achieve & sustain appropriate status	Conditions for Coverage	Records
V020	rieatti outoomes. Physical & mentai functioning	KDQOL-36 survey or age appropriate survey	\uparrow % of eligible patients completing survey	Conditions for Coverage	Recolus
V628	Health outcomes: Patient hospitalization	Standardized hospitalization ratio (1.0 is average, >1.0 is	↓ unplanned hospitalizations	Conditions for Coverage	DFR
V020		worse than average, <1.0 is better than average)		Conditions for Coverage	Records
V628	Health outcomes: Patient survival	Standardized mortality ratio (1.0 is average, >1.0 is worse	↓ mortality	Conditions for Coverage	DFR
V020	riedith outcomes. Fatient survival	than average, <1.0 is better than average)		Conditions for Coverage	Records
V629	(i) HD adequacy (monthly)	HD: Adult (patient with ESRD \geq 3 mo)	↑ % with spKt/V ≥1.2 or URR ≥65% if 3 times/week dialysis	Conditions for Coverage	DFR
V029	(i) The adequacy (monuly)		and stdKt/V >2.0/week if 2 or 4-6 times/week dialysis	NQF #0249 (adult)	Records
				NQF #1423 (peds)	Records
V629	(i) PD adequacy (rolling average, each patient tested ≤4	PD: Adult	↑ % with weekly Kt/V _{urea} ≥1.7 (dialysis+RKF)	Conditions for Coverage	DFR
1020	months)	1 5.7 (dut		NQF #0318	Records
V630	(ii) Nutritional status	Facility set goals; refer to parameters listed in V509	↑% of patients within lab target range on albumin and other	Conditions for Coverage; KDOQI	Records
1000			nutritional parameters set by the facility	Nutrition 2000	1000100
				KDOQI CKD 2002	
V631	(iii) Mineral metabolism/renal bone disease	Calcium, phosphorus, & PTH	↑ % in target range on all measures monthly	Conditions for Coverage	Records
V632	(iv) Anemia management	Anemia symptoms	$\downarrow\%$ of patients with anemia symptoms	FDA 6/24/11 for more info re	DFR
	Monitor patients on ESAs &/or patients not taking ESAs	Blood transfusion	\downarrow % of patients (esp. transplant candidates) transfused	CKD 5D recommendation	Records
	· · · · · · · · · · · · · · · · · · ·	Serum ferritin & transferrin saturation or CHr	Evaluate if indicated		Interview
		Patient education on ESAs	↑% of patients educated about potential risks/benefits		
V633	(v) Vascular access (VA)	Cuffed catheters > 90 days	↓ to <10% ⁶	⁵ KDOQI Vascular Access2006	DFR
	Evaluation of VA problems, causes, solutions	AV fistulas for dialysis using 2 needles, if appropriate	↑ to ≥65% ⁶ or ≥66% ⁷	⁸ Fistula First	Records
		Thrombosis episodes	↓ to <0.25/pt-yr at risk forfistulas; 0.50/pt-yr at risk for		
		Infections per use-life of access	(grafts		
		VA patency	↓ to <1% (fistula); <10% (graft)		
			↑ % with fistula >3 yrs & graft >2 yrs		
V634	(vi) Medical injuries & medical errors identification	Medical injuries & medical errors reporting	↓ frequency through prevention, early identification & root	Conditions for Coverage	Records
			cause analysis		
V635	(vii) Reuse	Evaluation of reuse program including evaluation &	↓ adverse outcomes	Conditions for Coverage	Records
V635		reporting of adverse outcomes			
			Prompt resolution of patient grievances	Conditions for Coverage	Records
V635 V636	(viii) Patient satisfaction & grievances	Report & analyze grievances for trends		o on and for o o ronalgo	
V636		CAHPS In-Center Hemodialysis Survey or other survey	↑ % of patients satisfied with care	-	Interview
	(viii) Patient satisfaction & grievances (ix) Infection control		↑ % of patients satisfied with care Minimize infections & transmission of same	Conditions for Coverage	DFR
V636 V637	(ix) Infection control	CAHPS In-Center Hemodialysis Survey or other survey Analyze & document incidence for baselines & trends	↑ % of patients satisfied with care Minimize infections & transmission of same Promote immunizations	Conditions for Coverage	DFR Records
V636		CAHPS In-Center Hemodialysis Survey or other survey Analyze & document incidence for baselines & trends Hepatitis B, influenza, & pneumococcal vaccines	↑ % of patients satisfied with care Minimize infections & transmission of same Promote immunizations Documentation of education in record	-	DFR Records Records
V636 V637	(ix) Infection control	CAHPS In-Center Hemodialysis Survey or other survey Analyze & document incidence for baselines & trends	↑ % of patients satisfied with care Minimize infections & transmission of same Promote immunizations	Conditions for Coverage	DFR Records

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 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