

**CKD Surveillance: All Ratings for Comprehensive List of
Possible Topics and Measures**

Table 1. All Advisory Group Ratings

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
A. Burden of CKD (CKD Incidence and Prevalence)								
Prevalence of stages 1-5 CKD by eGFR (kidney function)	4.70	0.95	13	1	4.74	1.06	14	1
Prevalence of CKD by urine protein testing (kidney damage)	4.30	0.95	30	5	4.29	0.78	39	7
Prevalence of CKD by other testing (novel urinary markers, imaging, or pathology)	2.20	0.92	133	20	2.17	0.72	133	20
Cause-specific prevalence (stages 1-5) (defined by etiology)	3.70	1.06	78	10	3.67	0.84	80	11
Incidence of stages 1-5 CKD by eGFR (kidney function)	4.60	0.70	15	2	4.68	0.95	15	2

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Incidence of CKD by urine protein testing (kidney damage)	4.10	1.20	48	8	4.12	1.20	51	8
Incidence of CKD by other testing (novel urinary markers, imaging, or pathology)	2.30	1.16	132	19	2.27	0.93	133	19
Cause-specific incidence (stages 1-5) (defined by etiology)	3.60	0.97	81	12	3.63	0.91	84	13
Prevalence of clinically diagnosed CKD (by ICD-9/10 codes)	3.60	1.35	81	12	3.64	1.43	82	12
Prevalence of self-reported CKD	2.70	1.25	129	17	2.72	1.25	130	17
Cause-specific prevalence (stages 1-5)	3.50	0.97	91	15	3.51	0.90	93	15
Incidence of clinically diagnosed CKD (by ICD-9/10 codes)	3.60	1.17	81	12	3.62	1.21	85	14
Incidence of self-reported CKD	2.40	1.26	130	18	2.42	1.26	131	18

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Cause-specific incidence (stages 1-5)	3.20	0.92	108	16	3.20	0.82	109	16
Prevalence rates of renal replacement therapy [dialysis1 (stage 5D)]	4.50	0.97	18	3	4.51	0.90	23	3
Prevalence of kidney transplantation (stage 5T)	4.40	1.07	25	4	4.40	0.97	26	4
Cause-specific prevalence (stage 5)	4.10	1.20	48	8	4.08	1.03	53	9
Incidence rates of renal replacement therapy [dialysis1 (stage 5D)]	4.22	1.09	39	7	4.34	1.03	30	5
Incidence of kidney transplantation (stage 5T)	4.30	1.06	30	5	4.30	0.97	38	6
Cause-specific incidence (stage 5)	3.70	1.16	78	10	3.68	1.02	80	10
B. Awareness of CKD								
Awareness about CKD in the general population	3.30	1.34	103	14	3.30	1.28	105	14

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Public reports (e.g., print, broadcast) on CKD	2.90	0.74	123	15	2.94	0.81	124	15
Organizational awareness (e.g., government, private sector) and CKD-related activity	4.10	0.74	48	11	4.13	0.69	50	11
Awareness of risk among diabetics	4.80	0.42	5	1	4.85	0.57	6	1
Awareness of risk among hypertensives	4.80	0.42	5	1	4.85	0.57	6	1
Awareness of risk among those with cardiovascular disease	4.30	0.82	30	6	4.33	0.80	31	6
Awareness of risk among those with family history of CKD/ESRD	4.70	0.48	13	4	4.76	0.66	13	4
Awareness of risk among those >60 years of age	3.50	0.85	91	13	3.51	0.76	92	13

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Awareness of CKD among those with kidney disease diagnosed by laboratory testing (by stage, 3-5)	4.40	0.84	25	5	4.43	0.87	25	5
Awareness of kidney disease among those with clinically diagnosed CKD (by stage, 3-5)	4.30	0.82	30	6	4.32	0.77	33	7
Prevalence of diagnosis (e.g., ICD-9/10 coding) of CKD among those with eGFR-based evidence of CKD	4.20	0.79	41	9	4.20	0.56	44	10
Prevalence of diagnosis (e.g., ICD-9/10 coding) of CKD among those with evidence of kidney damage (i.e., albuminuria, proteinuria, etc.)	4.30	0.67	30	6	4.31	0.52	34	8

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Knowledge of CKD staging	4.00	1.25	54	12	4.00	1.18	57	12
Knowledge of CKD risk factors	4.80	0.42	5	1	4.84	0.48	8	3
Knowledge of CKD complications	4.20	0.92	41	9	4.21	0.81	43	9
C. Burden (Incidence/Prevalence) of Risk Factors for CKD Among Those at Risk								
Age	3.60	1.07	81	13	3.59	0.92	88	15
Race/ethnicity	4.60	0.70	15	4	4.64	0.73	17	5
Family history	4.60	0.70	15	4	4.64	0.74	16	4
Socioeconomic	3.60	0.97	81	13	3.63	1.01	83	13
Sex	3.11	1.36	116	21	3.07	1.29	120	22
Diabetes mellitus	4.80	0.42	5	1	4.84	0.48	8	1
Hypertension	4.80	0.42	5	1	4.84	0.48	8	1
Nephrotoxic drugs	3.90	0.99	64	9	3.92	0.95	64	9
Acute renal failure	3.80	0.79	72	11	3.81	0.63	75	12
Autoimmune disorders	3.00	1.05	121	23	2.95	0.80	123	23
HIV	3.40	1.07	98	17	3.40	1.09	101	17
Hepatitis C	3.30	1.16	103	18	3.25	0.97	108	18
Urinary tract infections	2.80	1.23	127	26	2.75	1.00	129	27

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Kidney stones and obstruction	2.90	1.10	123	24	2.85	0.87	126	25
Pre-eclampsia	2.80	1.03	127	26	2.76	0.80	128	26
CVD	4.00	0.82	54	8	4.01	0.69	56	8
Body mass index/obesity	4.10	0.99	48	6	4.15	1.10	47	6
Dyslipidemia	3.20	1.03	108	19	3.18	0.86	111	20
Metabolic syndrome	3.60	1.26	81	13	3.61	1.28	86	14
Smoking	3.90	1.45	64	9	3.88	1.38	69	10
Alcohol use	2.00	1.33	134	28	1.95	1.11	135	28
Analgesic abuse	3.50	0.71	91	16	3.50	0.52	94	16
Intravenous drug abuse	3.20	1.32	108	19	3.19	1.28	110	19
Heavy metal exposure	3.10	0.99	117	22	3.11	0.89	117	21
Framingham-like risk equation (not yet available but could be available soon)	2.90	1.29	123	24	2.91	1.29	125	24
Blood pressure control	4.80	0.42	5	1	4.84	0.48	8	1
Glycemic control	4.10	0.88	48	6	4.13	0.88	49	7
Lipid control	3.80	0.92	72	41	3.83	0.98	72	41

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
D. Health Consequences in CKD Patients								
Proportion of CKD patients moving stage over time	4.50	0.71	18	2	4.56	0.85	19	3
Proportion of CKD patients moving to ESRD over time	4.80	0.63	5	1	4.85	0.78	5	1
Progression of CKD by demographic characteristics (e.g., race/ethnicity)	4.50	0.71	18	2	4.52	0.59	22	4
Progression of decreased renal function by level of proteinuria	4.20	1.32	41	6	4.16	1.13	46	5
Prevalence of diabetes mellitus	4.40	0.97	25	6	4.40	0.86	27	6
Prevalence of cardiovascular disease (e.g., hypertension, CAD, heart failure, PAD, stroke)	4.40	0.97	25	6	4.40	0.86	27	6

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Prevalence of other disease (e.g., cancer, musculoskeletal, lupus/autoimmune diseases)	3.50	0.85	91	16	3.49	0.66	98	18
Proportion of CKD patients with anemia by stage	4.22	0.97	39	8	4.15	0.91	48	9
Proportion of CKD patients with abnormal mineral metabolism by stage	3.60	0.70	81	14	3.60	0.47	87	14
Proportion of CKD patients with malnutrition by stage	3.80	0.63	72	13	3.82	0.54	74	13
Proportion of CKD patients with vascular access complications by stage	3.30	1.42	103	22	3.32	1.42	104	22
Proportion of CKD patients with fluid overload/electrolyte imbalance by stage	3.20	1.55	108	23	3.11	1.34	116	23

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Proportion of CKD patients with acidosis by stage	3.10	1.29	117	24	3.06	1.18	121	24
Proportion of CKD patients with inflammation by stage	2.40	1.35	130	26	2.36	1.27	132	26
Measures of functional status and disability	4.00	0.82	54	10	3.99	0.58	58	10
Quality of life measure	3.90	0.88	64	11	3.87	0.52	70	12
Financial consequences to CKD	3.60	1.17	81	14	3.55	0.90	89	15
Number/frequency of office visits	3.40	1.07	98	19	3.39	0.86	102	21
Number/frequency of ER visits	3.40	1.07	98	19	3.42	1.02	100	20
Number/frequency of procedures	3.00	0.82	121	25	3.03	0.81	122	25
Number/frequency of all-cause hospitalizations	3.40	0.97	98	19	3.45	0.99	99	19

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Number/frequency of cause-specific hospitalizations	3.90	1.10	64	11	3.94	1.10	63	11
Length of stay	3.50	1.18	91	16	3.50	1.03	96	16
Hospitalization costs	3.50	1.35	91	16	3.49	1.26	97	17
All-cause mortality rates	4.50	0.53	18	2	4.56	0.65	18	2
Cause-specific mortality rates	4.50	0.71	18	2	4.51	0.49	24	5
E. CKD Processes and Quality of Care								
Correct identification of CKD stages	3.90	1.37	64	17	3.89	1.29	67	18
Detection of CKD in those with risk factors (see B)	4.90	0.32	1	1	4.96	0.60	1	1
Evaluation of CKD according to guidelines (e.g., subsequent testing and work-up)	3.90	0.57	64	17	3.94	0.58	62	17
Comprehensive CKD education for modality choice and other issues	3.90	1.20	64	17	3.89	1.12	68	19

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Nutritional counseling	3.80	1.32	72	21	3.77	1.18	78	23
Advice regarding cardiovascular risk factor modification	4.30	1.25	30	7	4.30	1.23	37	10
Communication regarding complications of CKD	4.00	1.25	54	14	3.98	1.14	60	16
Review of family history (e.g., kidney donor candidates)	3.90	1.29	64	17	3.87	1.14	71	20
Appropriate use of ACEIs/ARBs (e.g., for diabetics with proteinuria and for hypertensives)	4.90	0.32	1	1	4.96	0.52	4	4
ESA utilization for anemia	3.80	1.03	72	21	3.78	0.80	77	22
Iron utilization for anemia	3.80	0.92	72	21	3.79	0.68	76	21
Utilization of medications for hypertension	4.90	0.32	1	1	4.96	0.60	1	1
Degree of blood pressure control	4.90	0.32	1	1	4.96	0.60	1	1
Management of volume/hydration status	3.30	1.16	103	26	3.26	0.89	107	26

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Management of abnormal bone mineral metabolism	3.50	0.71	91	25	3.52	0.65	91	25
Prescription of contraindicated medications	4.20	1.03	41	11	4.23	1.09	41	11
Pre-emptive referral for vascular access placement	4.20	1.03	41	11	4.21	1.00	42	12
Permanent vascular access placement	4.30	1.06	30	7	4.31	1.03	36	9
Treatment of cardiovascular disease	4.30	1.06	30	7	4.31	1.00	35	8
Referral to other appropriate specialists	3.20	1.40	108	27	3.13	1.16	115	27
Glycemic control in CKD patients with diabetes	4.30	0.82	30	7	4.33	0.78	32	7
Lipid control in those with dyslipidemia	4.00	0.67	54	14	4.02	0.59	54	14
Referral to a nephrologist by PCP prior to ESRD	4.50	0.53	18	5	4.54	0.51	20	5
Referral to social workers	3.70	0.82	78	24	3.73	0.78	79	24
Referral to nutritionists	4.00	1.05	54	14	4.02	0.95	55	15

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Referral to vascular access coordinators	4.20	1.03	41	11	4.19	0.87	45	13
Referral to transplant coordinators	4.50	0.53	18	5	4.53	0.38	21	6
F. Health System Capacity for CKD								
Primary care physicians	3.91	1.22	62	7	3.90	1.16	65	7
Nephrologists	3.91	1.14	62	7	3.90	1.06	66	8
Nephrology nurses	3.27	0.79	107	12	3.26	0.61	106	12
Cardiologists	3.09	1.14	119	16	3.07	1.05	118	16
Endocrinologists/diabetologists	3.18	1.40	113	13	3.13	1.21	113	14
Vascular access surgeons	3.55	1.04	89	9	3.53	0.92	90	9
Renal nutritionists	3.18	0.75	113	13	3.16	0.48	112	13
Nephrology social workers	3.09	0.83	119	16	3.07	0.60	119	17
Interventional nephrologists	2.82	0.98	126	18	2.83	0.95	127	18
Physicians in training	3.36	1.29	102	11	3.37	1.22	103	11
Use of standardized creatinine	4.18	1.25	47	3	4.25	1.40	40	3
Reporting of eGFR	4.73	0.65	12	1	4.80	0.95	12	1

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Multidisciplinary CKD clinics	3.55	1.51	89	9	3.50	1.42	95	10
Vascular access centers	3.18	1.25	113	13	3.13	1.12	113	15
Dialysis centers (hemodialysis or peritoneal dialysis)	4.00	1.10	54	5	3.99	1.02	59	5
Transplant centers	4.09	1.04	53	4	4.08	0.96	52	4
Adequacy of insurance coverage	4.36	0.81	29	2	4.38	0.78	29	2
Timing of Medicare coverage at stage 5	4.00	1.34	54	5	3.98	1.30	61	6

*Weighted by (overall group average for all measures)/(individual average for all measures).

Table 2. All Steering Committee Ratings

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
A. Burden of CKD (CKD Incidence and Prevalence)								
Prevalence of stages 1-5 CKD by eGFR (kidney function)	5.00	0.00	1	1	5.05	0.50	1	1
Prevalence of CKD by urine protein testing (kidney damage)	4.38	0.65	13	2	4.42	0.81	14	2
Prevalence of CKD by other testing (novel urinary markers, imaging, or pathology)	1.92	0.86	132	19	1.91	0.74	132	19
Cause-specific prevalence (stages 1-5) (defined by etiology)	3.85	1.07	47	7	3.88	1.12	47	7
Incidence of stages 1-5 CKD by eGFR (kidney function)	4.15	0.99	26	4	4.19	1.06	26	4
Incidence of CKD by urine protein testing (kidney damage)	3.62	1.12	71	12	3.63	1.15	71	12

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Incidence of CKD by other testing (novel urinary markers, imaging, or pathology)	1.77	0.93	134	20	1.72	0.75	134	20
Cause-specific incidence (stages 1-5) (defined by etiology)	3.38	1.12	96	15	3.39	1.13	92	15
Prevalence of clinically diagnosed CKD (by ICD-9/10 codes)	4.23	0.73	19	3	4.26	0.78	19	3
Prevalence of self-reported CKD	3.08	0.95	114	16	3.07	0.86	114	16
Cause-specific prevalence (stages 1-5)	3.46	0.78	84	14	3.48	0.74	84	14
Incidence of clinically diagnosed CKD (by ICD-9/10 codes)	3.58	0.90	75	13	3.57	0.85	77	13
Incidence of self-reported CKD	2.85	1.34	124	18	2.80	1.21	124	18
Cause-specific incidence (stages 1-5)	2.92	1.26	121	17	2.90	1.15	123	17

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Prevalence rates of renal replacement therapy [dialysis1 (stage 5D)]	3.85	1.14	47	7	3.88	1.24	48	8
Prevalence of kidney transplantation (stage 5T)	3.77	1.09	57	9	3.79	1.17	57	10
Cause-specific prevalence (stage 5)	3.69	1.11	64	11	3.72	1.17	63	11
Incidence rates of renal replacement therapy [dialysis1 (stage 5D)]	4.00	1.15	36	5	4.03	1.25	36	5
Incidence of kidney transplantation (stage 5T)	3.77	1.09	57	9	3.79	1.16	56	9
Cause-specific incidence (stage 5)	3.92	0.90	45	6	3.93	0.95	43	6
B. Awareness of CKD								
Awareness about CKD in the general population	3.15	1.14	111	13	3.18	1.16	110	13
Public reports (e.g., print, broadcast) on CKD	2.38	0.65	132	15	2.40	0.70	130	15

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Organizational awareness (e.g., government, private sector) and CKD-related activity	3.00	0.82	119	14	3.00	0.66	119	14
Awareness of risk among diabetics	4.38	0.65	13	1	4.40	0.60	15	1
Awareness of risk among hypertensives	4.31	0.75	16	2	4.32	0.69	17	2
Awareness of risk among those with cardiovascular disease	3.83	0.83	54	8	3.82	0.62	53	8
Awareness of risk among those with family history of CKD/ESRD	3.92	0.86	42	5	3.91	0.71	45	6
Awareness of risk among those >60 years of age	3.69	0.75	64	9	3.70	0.67	67	9
Awareness of CKD among those with kidney disease diagnosed by laboratory testing (by stage, 3-5)	4.15	0.80	26	3	4.17	0.77	29	3

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Awareness of kidney disease among those with clinically diagnosed CKD (by stage, 3-5)	4.00	1.00	36	4	4.00	0.94	40	4
Prevalence of diagnosis (e.g., ICD-9/10 coding) of CKD among those with eGFR-based evidence of CKD	3.92	0.76	42	5	3.96	0.84	42	5
Prevalence of diagnosis (e.g., ICD-9/10 coding) of CKD among those with evidence of kidney damage (i.e., albuminuria, proteinuria, etc.)	3.85	0.80	47	7	3.87	0.81	50	7
Knowledge of CKD staging	3.54	1.20	77	11	3.53	1.09	81	11
Knowledge of CKD risk factors	3.69	1.38	64	9	3.67	1.27	68	10
Knowledge of CKD complications	3.46	1.27	84	12	3.45	1.17	86	12

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
C. Burden (Incidence/Prevalence) of Risk Factors for CKD Among Those at Risk								
Age	4.15	1.14	26	5	4.17	1.17	28	5
Race/ethnicity	4.23	0.93	19	3	4.25	0.95	20	3
Family history	3.92	0.95	42	7	3.92	0.84	44	7
Socioeconomic	3.31	0.95	102	18	3.35	1.07	97	17
Sex	3.54	1.39	77	11	3.55	1.41	78	12
Diabetes mellitus	4.62	0.87	4	1	4.63	0.88	4	1
Hypertension	4.54	0.88	5	2	4.55	0.85	6	2
Nephrotoxic drugs	3.77	1.09	57	8	3.77	1.08	59	8
Acute renal failure	3.54	0.97	77	11	3.59	1.12	75	11
Autoimmune disorders	3.42	1.00	91	14	3.42	1.03	91	16
HIV	3.42	0.90	91	14	3.43	0.96	90	15
Hepatitis C	3.42	0.90	91	14	3.43	1.01	88	13
Urinary tract infections	2.42	1.00	129	26	2.38	0.90	132	28
Kidney stones and obstruction	2.42	0.79	129	26	2.40	0.73	131	27
Pre-eclampsia	2.42	0.51	129	26	2.41	0.50	129	26
CVD	3.69	1.11	64	9	3.70	1.10	64	9
Body mass index/obesity	3.69	1.03	64	9	3.70	1.00	65	10
Dyslipidemia	3.31	1.18	102	18	3.33	1.23	102	19
Metabolic syndrome	2.92	1.12	121	22	2.92	1.10	122	23

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Smoking	3.31	1.18	102	18	3.32	1.22	103	20
Alcohol use	2.92	1.12	121	22	2.93	1.11	121	22
Analgesic abuse	3.08	1.04	114	21	3.10	1.05	113	21
Intravenous drug abuse	2.77	1.09	125	24	2.77	1.08	125	24
Heavy metal exposure	2.45	0.93	128	25	2.41	0.79	128	25
Framingham-like risk equation (not yet available but could be available soon)	3.38	1.39	96	17	3.33	1.21	101	18
Blood pressure control	4.23	1.01	19	3	4.22	0.93	24	4
Glycemic control	4.08	1.04	32	6	4.07	0.98	33	6
Lipid control	3.46	1.27	84	48	3.43	1.15	89	50
D. Health Consequences in CKD Patients								
Proportion of CKD patients moving stage over time	4.38	0.77	13	3	4.46	1.01	13	3

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Proportion of CKD patients moving to ESRD over time	4.54	0.78	5	2	4.61	1.02	5	2
Progression of CKD by demographic characteristics (e.g., race/ethnicity)	4.31	0.75	16	4	4.34	0.81	16	4
Progression of decreased renal function by level of proteinuria	3.54	1.13	77	14	3.53	1.06	80	15
Prevalence of diabetes mellitus	4.23	0.44	19	5	4.27	0.56	18	5
Prevalence of cardiovascular disease (e.g., hypertension, CAD, heart failure, PAD, stroke)	4.15	0.38	26	8	4.18	0.38	27	8
Prevalence of other disease (e.g., cancer, musculoskeletal, lupus/autoimmune diseases)	3.31	0.63	102	21	3.34	0.72	99	20

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Proportion of CKD patients with anemia by stage	4.00	0.82	36	10	4.01	0.77	38	10
Proportion of CKD patients with abnormal mineral metabolism by stage	3.83	0.94	54	11	3.80	0.84	55	11
Proportion of CKD patients with malnutrition by stage	3.54	0.97	77	17	3.54	0.88	79	17
Proportion of CKD patients with vascular access complications by stage	3.08	1.31	113	24	3.02	1.14	118	24
Proportion of CKD patients with fluid overload/electrolyte imbalance by stage	3.42	1.08	91	19	3.34	0.78	100	21
Proportion of CKD patients with acidosis by stage	3.17	0.83	110	23	3.12	0.60	112	23
Proportion of CKD patients with inflammation by stage	3.00	1.13	119	25	2.94	0.90	120	25

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Measures of functional status and disability	3.62	1.12	71	15	3.58	0.96	76	16
Quality of life measure	3.62	1.04	71	15	3.59	0.88	74	15
Financial consequences to CKD	3.77	1.09	57	12	3.74	0.92	60	12
Number/frequency of office visits	3.69	1.32	64	14	3.66	1.18	69	14
Number/frequency of ER visits	3.77	1.30	57	12	3.74	1.17	61	13
Number/frequency of procedures	3.23	1.36	108	22	3.21	1.28	108	22
Number/frequency of all-cause hospitalizations	4.23	0.83	19	5	4.23	0.74	22	7
Number/frequency of cause-specific hospitalizations	4.23	0.83	19	5	4.23	0.77	21	6
Length of stay	3.38	1.12	96	20	3.37	1.04	93	19
Hospitalization costs	4.08	0.95	32	8	4.07	0.88	32	8
All-cause mortality rates	4.85	0.55	2	1	4.88	0.69	2	1
Cause-specific mortality rates	4.54	0.78	5	2	4.55	0.74	7	3

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
E. CKD Processes and Quality of Care								
Correct identification of CKD stages	4.00	0.91	36	10	4.00	0.86	39	10
Detection of CKD in those with risk factors (see B)	4.54	0.66	5	2	4.55	0.61	8	2
Evaluation of CKD according to guidelines (e.g., subsequent testing and work-up)	3.69	1.11	64	18	3.66	0.95	70	18
Comprehensive CKD education for modality choice and other issues	3.54	1.13	77	19	3.49	0.88	83	19
Nutritional counseling	3.38	1.04	96	24	3.34	0.81	98	24
Advice regarding cardiovascular risk factor modification	3.85	1.07	47	13	3.81	0.86	54	14
Communication regarding complications of CKD	3.85	0.99	47	13	3.83	0.91	52	13
Review of family history (e.g., kidney donor candidates)	3.08	1.12	114	27	3.03	0.88	117	27

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Appropriate use of ACEIs/ARBs (e.g., for diabetics with proteinuria and for hypertensives)	4.77	0.60	3	1	4.78	0.57	3	1
ESA utilization for anemia	4.00	0.95	36	10	3.97	0.85	41	11
Iron utilization for anemia	3.92	0.90	45	12	3.88	0.76	46	12
Utilization of medications for hypertension	4.54	0.78	5	2	4.54	0.69	9	3
Degree of blood pressure control	4.54	0.78	5	2	4.53	0.65	10	4
Management of volume/hydration status	3.33	1.15	100	25	3.29	1.03	106	25
Management of abnormal bone mineral metabolism	3.83	1.11	54	15	3.78	0.93	58	15
Prescription of contraindicated medications	3.75	1.06	63	17	3.70	0.89	66	17
Pre-emptive referral for vascular access placement	4.08	1.08	31	9	4.04	0.98	35	9
Permanent vascular access placement	4.25	1.14	18	7	4.21	1.06	25	7

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Treatment of cardiovascular disease	4.50	0.67	11	5	4.47	0.55	12	6
Referral to other appropriate specialists	3.25	0.97	107	26	3.20	0.70	109	26
Glycemic control in CKD patients with diabetes	4.15	0.80	26	8	4.15	0.70	30	8
Lipid control in those with dyslipidemia	3.77	1.01	57	16	3.73	0.78	62	16
Referral to a nephrologist by PCP prior to ESRD	4.50	0.80	11	5	4.47	0.72	11	5
Referral to social workers	3.42	0.79	91	23	3.37	0.53	94	21
Referral to nutritionists	3.50	1.00	83	20	3.44	0.79	87	20
Referral to vascular access coordinators	3.45	1.21	89	21	3.36	0.97	96	23
Referral to transplant coordinators	3.45	1.37	89	21	3.36	1.18	95	22
F. Health System Capacity for CKD								
Primary care physicians	3.23	1.24	108	13	3.23	1.24	107	13
Nephrologists	4.00	1.22	36	4	4.01	1.25	37	4

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Nephrology nurses	3.46	1.39	84	9	3.46	1.37	85	10
Cardiologists	2.62	0.87	127	18	2.60	0.80	127	18
Endocrinologists/diabetologists	2.69	0.85	126	17	2.70	0.87	126	17
Vascular access surgeons	3.46	1.05	84	9	3.50	1.19	82	9
Renal nutritionists	3.08	1.04	114	15	3.05	0.89	116	16
Nephrology social workers	3.08	1.12	114	15	3.05	0.99	115	15
Interventional nephrologists	3.15	1.21	111	14	3.14	1.14	111	14
Physicians in training	3.31	1.38	102	12	3.31	1.40	105	12
Use of standardized creatinine	4.08	1.26	32	2	4.09	1.28	31	2
Reporting of eGFR	4.23	1.01	19	1	4.23	0.97	23	1
Multidisciplinary CKD clinics	3.85	0.80	47	5	3.87	0.84	49	5
Vascular access centers	3.58	1.00	75	8	3.61	1.10	73	8
Dialysis centers (hemodialysis or peritoneal dialysis)	3.85	1.41	47	5	3.85	1.39	51	6
Transplant centers	3.62	1.33	71	7	3.62	1.32	72	7

Measure	Actual Ratings				Weighted* Ratings			
	Average rating	SD	Overall rank	Within-category rank	Average rating	SD	Overall rank	Within-category rank
Adequacy of insurance coverage	4.08	1.19	32	2	4.06	1.10	34	3
Timing of Medicare coverage at stage 5	3.33	1.23	81	11	3.31	1.21	85	11

*Weighted by (overall group average for all measures)/(individual average for all measures).