Dialysis Facility Report for Fiscal Year (FY) 2017

*Purpose of the Report

The *Dialysis Facility Report (DFR) for FY 2017* is provided as a resource for characterizing selected aspects of clinical experience at this facility relative to other caregivers in this state, ESRD Network, and across the United States. Since these data could be useful in quality improvement and assurance activities, each state's surveying agency may utilize this report as a resource during the FY 2017 survey and certification process.

This report has been prepared for this facility by the University of Michigan Kidney Epidemiology and Cost Center (UM-KECC) with funding from the Centers for Medicare & Medicaid Services (CMS) and is based primarily on data reported in CROWNWeb, Medicare claims and data collected for CMS. It is the twenty-first in a series of annual reports. This is one of 6,783 reports that have been distributed to ESRD providers in the U.S.

*This DFR includes data specific to CCN(s): 999999

Overview: This report includes summaries of patient characteristics, treatment patterns, and patient outcomes for chronic dialysis patients who were treated in this facility between January 2012 and December 2015. Mortality, hospitalization, and transplantation statistics are reported for a three- or four-year period. Regional and national averages are included to allow for comparisons. Several of the summaries of patient mortality, hospitalization, and transplantation are adjusted to account for the characteristics of the patient mix at this facility, such as age, sex and diabetes as a cause of ESRD. Unless otherwise specified, data refer to hemodialysis (HD) and peritoneal dialysis (PD) patients combined.

Selected highlights from this report are given on pages 2 and 3. For a complete description of the methods used to calculate the statistics in this report, please see the *Guide to the Dialysis Facility Reports for FY 2017*. The *Guide* may be downloaded from the methodology section of the Dialysis Data website at www.DialysisData.org.

What's New This Year: As part of a continuing effort to improve the quality and relevance of this report for your facility, the DFR for FY 2017 has been reorganized by measure area. Summaries for All Dialysis Patients Treated as of December 31st of Each Year (former Table 10) and Characteristics of New Dialysis Patients (former Table 9) may now be found at the beginning of the Report. The following NEW tables include measures previously reported in Table 6 (Facility Modality, Anemia Management, and Dialysis Adequacy for Medicare Dialysis Patients) and Table 14 (CROWNWeb Clinical Data): Table 8: Anemia Management; Table 9: Dialysis Adequacy and Table 10: Mineral Metabolism. Vascular access type and access-related infection summaries have been combined and in the new Table 11. Most recent patient placement information and Medicare eligibility summaries reported on the Annual Facility Survey; and basic survey information formally reported in Tables 13 and 15, respectively, may now be found in the new Table 13: Facility Information.

*How to Submit Comments

Between July 15, 2016 and August 15, 2016, facilities may submit comments to their state surveyor or UM-KECC by visiting www.DialysisData.org, logging on to view their report, and clicking on the **Comments & Inquiries** tab. Questions or comments after the comment period is over may be submitted to us directly at DialysisData@umich.edu or 1-855-764-2885.

(1) **State Surveyor:** Dialysis facilities may submit comments on the DFR for their state's surveyors. State surveyor(s) will receive a copy of their DFR with the comments they submitted in September 2016.

(2) **UM-KECC:** Submit questions or suggestions to improve the DFR to UM-KECC. These comments will not be shared with CMS or your state surveyor.

*Facility Highlights

Patient Characteristics (Tables 1 and 2):

- Among the 34 patients with Medical Evidence Forms (CMS-2728) indicating treatment at this facility during 2015:
  - 44% of these patients were not under the care of a nephrologist before starting dialysis, compared to 21% in your State, 23% in your Network, and 23% nationally.
  - 100% of these patients were informed of their transplant options, compared to 88% in your State, 88% in your Network, and 87% nationally.
- Among the patients treated at this facility on December 31, 2015, 7% were treated in a nursing home during the year, compared to 15% nationally.

Standardized Mortality Ratio (SMR) (Table 3):

- At this facility, the 2012-2015 SMR is 0.85, which is 15% fewer deaths than expected at this facility. Among all U.S. facilities, 28% of facilities had a four-year SMR lower than 0.85. This difference is not statistically significant (p>=0.05), so this lower mortality could plausibly be just a chance occurrence. The 2012-2015 SMR of observed to expected deaths is 0.97 and 0.97 for your State and Network, respectively.
- At this facility, the 2012-2014 first-year SMR of observed to expected deaths is 0.90, which is 10% fewer deaths than expected at this facility. Among all U.S. facilities, 46% of facilities had a first-year SMR lower than 0.90. This difference is not statistically significant (p>=0.05), so this lower mortality could plausibly be just a chance occurrence. The first-year SMR (2012-2014) of observed to expected deaths is 1.00 and 1.02 for your State and Network, respectively.

Hospitalizations and Readmissions (Table 4):

- The 2012-2015 SHR (Admissions) at this facility is 0.78, which is 22% fewer admissions hospitalized than expected. This difference is not statistically significant (p>=0.05), so this lower hospitalization could plausibly be just a chance occurrence. The 2012-2015 SHR (Admissions) for your State and Network is 0.96 and 0.99, respectively.
- The 2015 SRR at this facility is 1.15, which is 15% more admissions than expected. This difference is not statistically significant (p>=0.05), so the higher number of readmissions could plausibly be just a chance occurrence. The 2015 SRR for your State and Network is 1.04 and 1.05, respectively.

Infection (Tables 4 and 11):

- The percentage of Medicare dialysis patients at this facility hospitalized with septicemia during 2012-2015 was 13.9%, compared to 11.7% in your State, 11.9% in your Network, and 10.9% nationally.
- The rate of PD catheter-related infection was 8.5 per 100 PD patient-months, compared to 2.2 in your State, 2.3 in your Network, and 2.5 nationally.

Transplantation (Table 5):

- Of the patients under age 70 treated at this facility during 2012-2015 who had not previously received a transplant, 9% were transplanted annually, while a rate of 7% would be expected for these patients.
- The 2012-2015 Standardized 1st Transplantation Ratio (STR) of observed to expected number of patients transplanted for this facility is 1.29, which is 29% higher than expected for this facility. This difference is not statistically significant (p>=0.05) and could plausibly be due to random chance. The 2012-2015 STR for your State and Network is 0.97 and 0.82, respectively.

Transplant Waitlist (Table 6):

- Among the 143 dialysis patients under age 70 treated at this facility on December 31, 2015, 43% were on the kidney transplant waitlist, compared to 23% nationally. This difference is statistically significant (p<0.05) and is unlikely to be due to random chance. The percentage of patients on the kidney transplant waitlist on December 31, 2015, in your State and Network is 31% and 26%, respectively.

Influenza Vaccination (Table 7):

- Among the 106 Medicare dialysis patients treated at this facility on December 31, 2015, 75% were vaccinated between August 1 and December 31, 2015 compared to 73% nationally. This difference is not statistically significant (p>=0.05) and is plausibly due to random chance. The percentage of patients vaccinated in your State, Network, and Nation is 73%, 72%, and 73%, respectively.

Anemia Management (Table 8):

- Among the 87 HD patients in this facility included in the analysis in 2015, 13% had a hemoglobin value below 10 g/dL, compared to 12% in your State, 13% in your Network, and 16% nationally.
- Among the 18 PD patients in this facility included in the analysis in 2015, 28% had a hemoglobin value below 10 g/dL, compared to 23% in your State, 23% in your Network, and 26% nationally.

Dialysis Adequacy (Table 9):

- In 2015, 99% of eligible HD patient-months had a Kt/V >=1.2, compared to 96% in your State, 96% in your Network, and 95% nationally.
- In 2015, 21% of eligible PD patient-months had a Kt/V >=1.7, compared to 88% in your State, 86% in your Network, and 87% nationally.

Mineral Metabolism (Table 10):

- In 2015, 18% of eligible patient-months had a serum phosphorus value >7.0 mg/dL, compared to 11% in your State, 10% in your Network, and 12% nationally.
- In 2015, 2% of eligible patient-months had calcium uncorrected value >10.2 mg/dL, compared to 3% in your State, 3% in your Network, and 3% nationally.

Vascular Access (Table 11):

- At this facility in 2015, 5% of incident patients had arteriovenous (AV) fistulae in place, compared to 23% in your State, 21% in your Network, and 22% nationally.
- Of the prevalent patients receiving hemodialysis treatment at this facility in 2015, 21% had a catheter which had been in place for at least 90 days as their only vascular access, compared to 10% in your State, 10% in your Network, and 10% nationally.

TABLE 1: Summaries for All Dialysis Patients Treated as of December 31st of Each Year [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
							2015	
1a Patients treated on 12/31 (n)	162	151	148	157		97.4	108	66.9
1b Average age (years)	48.3	48.1	50.4	48.2		62.1	61.8	61.7
1c Age (% of 1a; sums to 100%)								
< 18	4.9	2.0	1.4	7.0		0.3	0.3	0.3
18-64	70.4	74.2	72.3	70.1		53.7	54.5	54.6
65+	24.7	23.8	26.4	22.9		46.0	45.2	45.2
1d Female (% of 1a)	51.9	47.0	49.3	48.4		42.5	41.9	43.5
1e Race (% of 1a; sums to 100%) [*3]								
African American	8.6	9.3	10.1	10.8		14.7	13.8	35.5
Asian/Pacific Islander	13.6	11.3	11.5	12.1		16.9	13.7	5.7
Native American	1.9	2.0	2.0	1.9		0.4	0.3	1.2
White	74.1	75.5	73.6	72.6		67.4	71.6	57.3
Other/Unknown/Missing	1.9	2.0	2.7	2.5		0.5	0.6	0.3
1f Ethnicity (% of 1a; sums to 100%)								
Hispanic	56.2	58.9	56.1	52.9		42.7	49.7	18.4
Non-Hispanic	43.8	41.1	43.9	47.1		56.9	49.9	81.2
Unknown	0.0	0.0	0.0	0.0		0.5	0.5	0.4
1g Primary Cause of ESRD (% of 1a; sums to 100%)								
Diabetes	33.3	31.8	32.4	34.4		50.5	50.9	45.0
Hypertension	15.4	17.2	16.9	15.9		26.5	27.6	29.4
Glomerulonephritis	24.1	25.8	27.0	24.2		10.5	9.8	11.1
Other/Unknown	26.5	24.5	23.0	24.8		11.4	10.8	13.5
Missing	0.6	0.7	0.7	0.6		1.1	0.9	1.1
1h Average duration of ESRD (years)	7.3	7.6	7.6	7.3		5.1	5.1	4.9
1i Years since start of ESRD (% of 1a; sums to 100%)								
< 1	18.5	9.3	10.1	12.7		14.4	14.1	16.1
1-2	13.0	16.6	12.2	13.4		16.1	15.9	17.0
2-3	9.3	11.3	14.2	8.9		13.5	13.4	13.6
3-6	16.7	20.5	21.6	24.2		27.3	27.5	26.2
6+	42.6	42.4	41.9	40.8		28.8	29.1	27.1
1j Nursing home patients (% of 1a) [*4]	0.6	2.6	2.7	7.0		12.0	11.9	14.8
1k Modality (% of 1a; sums to 100%)								
In-center hemodialysis	73.5	73.5	71.6	72.0		87.0	88.0	87.6
Home hemodialysis	0.0	0.0	0.0	0.0		1.1	1.0	1.8
Continuous ambulatory peritoneal dialysis	1.9	1.3	2.0	0.6		2.1	2.0	1.8
Continuous cycling peritoneal dialysis	24.1	25.2	26.4	27.4		9.3	8.6	8.3
Other modality [*5]	0.6	0.0	0.0	0.0		0.5	0.4	0.5

n/a = not applicable
[*1] See *Guide, Section IV*.
[*2] Values are shown for the average facility.
[*3] 'Asian' includes Indian sub-continent. 'Native American' includes Alaskan Native. 'White' includes Middle Eastern and Arabian.
[*4] Includes patients who were also treated by a nursing facility at any time during the year. The source of nursing facility history of patients is the Nursing Home Minimum Dataset.
[*5] Other modality includes other dialysis, uncertain modality, and patients not on dialysis but still temporarily assigned to the facility (discontinued dialysis, recovered renal function, and lost to follow up).

TABLE 2: Characteristics of New Dialysis Patients [*1] , 2012-2015 (Form CMS-2728)

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
Patient Characteristics [*3]							2015	
2a Total number of patients with forms (n)	35	30	28	34		22.2	24.3	17.7
2b Average age (years [0-95]) [*3]	47.8	51.7	51.9	40.4		63.8	64.0	63.4
2c Female (% of 2a)	48.6	36.7	46.4	52.9		41.3	41.4	42.4
2d Race (% of 2a; sums to 100%) [*4]								
African-American	8.6	10.0	25.0	5.9		12.1	11.3	26.5
Asian/Pacific Islander	17.1	6.7	10.7	8.8		16.4	14.0	5.2
Native American	2.9	0.0	0.0	0.0		0.3	0.3	0.9
White	65.7	83.3	60.7	82.4		70.6	74.1	67.1
Other/Unknown	5.7	0.0	3.6	2.9		0.5	0.4	0.3
2e Hispanic (% of 2a)	51.4	43.3	28.6	61.8		34.7	40.4	15.0
2f Primary cause of ESRD (% of 2a; sums to 100%)								
Diabetes	31.4	46.7	50.0	35.3		53.7	53.8	48.0
Hypertension	17.1	16.7	17.9	11.8		27.1	28.6	29.6
Primary glomerulonephritis	22.9	16.7	3.6	11.8		6.8	6.4	7.5
Other/Unknown	28.6	20.0	28.6	41.2		12.3	11.1	14.9
2g Medical coverage (% of 2a; sums to 100%)								
Employer group only	22.9	10.0	28.6	20.6		11.1	10.6	12.6
Medicare only	8.6	6.7	3.6	0.0		22.3	22.3	31.4
Medicaid only	8.6	26.7	7.1	17.6		19.6	20.8	12.1
Medicare and Medicaid only	22.9	16.7	21.4	32.4		19.6	20.0	13.2
Medicare and other	5.7	20.0	21.4	0.0		15.7	14.6	19.0
Other/Unknown	14.3	10.0	17.9	29.4		10.7	10.6	7.5
None	17.1	10.0	0.0	0.0		1.0	1.2	4.2
2h Body Mass Index [*5] (Median; Weight/Height^2)								
Male	25.5	24.1	26.3	31.1		26.9	26.8	27.8
Female	26.2	27.5	30.6	26.7		27.5	27.5	29.1
2i Employment [*6]								
Six months prior to ESRD treatment	57.1	28.6	36.4	53.3		32.4	31.6	31.7
At first ESRD treatment	14.3	21.4	36.4	46.7		23.3	22.4	22.6
2j Primary modality (% of 2a; sums to 100%)								
Hemodialysis	74.3	70.0	57.1	55.9		87.9	89.8	89.9
CAPD/CCPD	25.7	30.0	42.9	44.1		12.1	10.2	10.1
Other/Unknown/Missing	0.0	0.0	0.0	0.0		0.0	0.0	0.0
2k Number of incident hemodialysis patients (n)	26	21	16	19		19.5	21.8	15.9
2l Access used at first outpatient dialysis (% of 2k; sums to 100%)								
Arteriovenous fistula	0.0	23.8	6.3	5.3		17.3	15.2	16.9
Arteriovenous graft	3.8	0.0	0.0	0.0		3.2	2.6	3.0
Catheter	96.2	76.2	93.8	94.7		79.2	82.0	80.0
Other/Unknown/Missing	0.0	0.0	0.0	0.0		0.2	0.2	0.2
2m Arteriovenous fistula placed (% of 2k)	7.7	28.6	6.3	10.5		30.4	27.1	33.6

(continued)

TABLE 2 (cont.): Characteristics of New Dialysis Patients [*1] , 2012-2015 (Form CMS-2728)

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
Average Lab Values Prior to Dialysis [*3]							**2015**	
2n Hemoglobin (g/dL [3-18])	9.2	9.2	9.6	8.9		9.5	9.5	9.4
2o Serum albumin (g/dL [0.8-6.0])	3.5	3.3	3.5	3.2		3.2	3.2	3.2
2p Serum creatinine (mg/dL [2-33])	8.0	7.2	6.6	6.8		6.3	6.3	6.5
2q GFR (mL/min [0-60])	8.1	9.2	9.6	8.1		10.7	10.7	10.7
Care Prior to ESRD Therapy								
2r Received ESA prior to ESRD (% of 2a)	37.1	23.3	46.4	58.8		15.5	12.7	13.4
2s Pre-ESRD nephrologist care (% of 2a; sums to 100%) [*7]								
No	31.4	36.7	21.4	44.1		21.4	22.9	22.9
Yes, < 6 months	25.7	13.3	32.1	14.7		16.6	17.3	13.5
Yes, 6-12 months	8.6	16.7	3.6	11.8		19.5	17.3	19.5
Yes, > 12 months	34.3	33.3	42.9	29.4		23.4	20.2	29.9
Unknown/Missing	0.0	0.0	0.0	0.0		19.1	22.2	14.2
2t Informed of transplant options (% of 2a)	65.7	60.0	89.3	100		87.8	87.6	86.8
2u Patients not informed of transplant options (n)	12	12	3	0		2.7	3.0	2.3
2v Reason not informed (% of 2u; may not sum to 100%)								
Medically unfit	8.3	0.0	0.0	.		30.0	26.2	36.0
Unsuitable due to age	0.0	0.0	33.3	.		27.3	30.7	25.8
Psychologically unfit	0.0	0.0	0.0	.		2.6	2.4	3.4
Patient declined information	0.0	0.0	0.0	.		2.4	3.0	1.9
Patient has not been assessed	91.7	100	66.7	.		43.0	48.3	37.1
Comorbid Conditions								
2w Pre-existing comorbidity (% yes of 2a) [*7]								
Congestive heart failure	20.0	23.3	17.9	14.7		24.1	23.4	28.8
Atherosclerotic heart disease [*8]	11.4	20.0	17.9	8.8		9.6	8.8	14.0
Other cardiac disorder [*7]	2.9	10.0	25.0	29.4		14.9	15.8	20.0
CVD, CVA, TIA	2.9	3.3	0.0	2.9		5.8	5.8	8.4
Peripheral vascular disease	0.0	0.0	0.0	2.9		6.6	6.2	10.4
History of hypertension	82.9	90.0	89.3	94.1		85.9	86.6	87.6
Diabetes [*7]	37.1	60.0	57.1	38.2		64.8	65.2	62.6
Diabetes on insulin	25.7	36.7	46.4	32.4		38.1	38.0	41.6
COPD	0.0	3.3	0.0	5.9		4.9	4.8	9.3
Current smoker	2.9	3.3	0.0	0.0		2.6	2.2	6.1
Cancer	0.0	3.3	7.1	20.6		4.6	4.5	7.0
Alcohol dependence	0.0	0.0	3.6	0.0		1.5	1.5	1.5
Drug dependence	0.0	0.0	0.0	0.0		1.1	0.8	1.2
Inability to ambulate	0.0	3.3	0.0	0.0		7.0	8.1	7.1
Inability to transfer	0.0	0.0	0.0	0.0		4.3	5.2	3.9
2x Average number of comorbid conditions	1.9	2.6	2.6	2.5		2.8	2.8	3.1

n/a= not applicable
[*1] See *Guide, Section V*.
[*2] Values are shown for the average facility.
[*3] For continuous variables, summaries include only responses in range indicated in brackets.
[*4] 'Asian' includes Indian sub-continent. 'Native American' includes Alaskan Native. 'White' includes Middle Eastern and Arabian.
[*5] The median BMI is computed for adult patients at least 20 years old with height, weight, and BMI values in acceptable ranges. Acceptable range for height, weight, and BMI are 122-208cm, 32-318 kg, and 10-55 respectively.
[*6] Full-time, part-time, or student (% of 18-60 year olds).
[*7] Values may not sum to exactly 100% because of patients that received nephrology care but duration unknown (0.01% in US in 2015).
[*8] 'Atherosclerotic heart disease' includes ischemic heart disease (coronary artery disease) and myocardial infarction. 'Other cardiac disorder' includes cardiac arrest, cardiac dysrhythmia, and pericarditis. 'Diabetes' includes patients with diabetes as the primary cause of ESRD.

TABLE 3: Mortality Summary for All Dialysis Patients (2012-15) & New Dialysis Patients (2012-14) [*1]

Measure Name	2012	2013	2014	2015	2012-2015	State [*2]	Network [*2]	U.S. [*2]
All Patients: Death Rates							**2012-2015**	
3a Patients (n=number)	209	199	190	193	791 [*8]	121.4	132.6	95.5
3b Patient-years (PY) at risk (n)	159.2	156.4	153.4	154.5	623.4 [*8]	90.0	98.9	64.2
3c Deaths (n)	8	12	15	18	53 [*8]	13.2	14.3	11.2
3d Expected deaths (n)	16.2	15.7	14.6	16.1	62.7 [*8]	13.6	14.7	11.2
All Patients: Categories of Death								
3e Withdrawal from dialysis prior to death (% of 3c)	37.5	41.7	33.3	16.7	30.2	20.8	17.7	24.9
3f Death due to Infections (% of 3c)	37.5	50.0	33.3	11.1	30.2	11.7	11.8	11.7
Death due to Cardiac causes (% of 3c)	75.0	66.7	20.0	77.8	58.5	48.0	52.8	43.5
3g Dialysis unrelated deaths [*3] (n; excluded from SMR)	1	0	0	0	1 [*8]	0.1	0.1	0.1
All Patients: Standardized Mortality Ratio (SMR)								
3h SMR [*4]	0.49	0.76	1.03	1.12	0.85	0.97	0.97	1.00
3i P-value [*5]	0.038	0.423	0.988	0.695	0.243	n/a	n/a	n/a
3j Confidence interval for SMR [*6]								
High (97.5% limit)	0.97	1.33	1.69	1.77	1.11	n/a	n/a	n/a
Low (2.5% limit)	0.21	0.39	0.57	0.66	0.63	n/a	n/a	n/a
3k SMR percentiles for this facility [*7]								
In this State	8	31	59	69	29	n/a	n/a	n/a
In this Network	7	30	57	67	28	n/a	n/a	n/a
In the U.S.	10	28	58	65	28	n/a	n/a	n/a
New Patients: First Year Death Rates	**2012**	**2013**	**2014**		**2012-2014**		**2012-2014**	
3l New patients (n=number)	35	30	28		93 [*8]	22.1	24.3	17.0
3m Patient-years (PY) at risk (n)	32.8	27.3	25.6		85.7 [*8]	19.7	21.6	14.9
3n Deaths (n)	3	5	2		10 [*8]	3.9	4.4	3.4
3o Expected deaths (n)	3.2	4.0	3.9		11.1 [*8]	3.9	4.3	3.4
New Patients: Categories of Deaths								
3p Withdrawal from dialysis prior to death (% of 3n)	33.3	0.0	50.0		20.0	21.5	18.6	26.6
3q Death due to Infections (% of 3n)	33.3	20.0	0.0		20.0	10.8	11.0	10.8
Death due to Cardiac causes (% of 3n)	33.3	40.0	100		50.0	42.1	45.8	38.9
New Patients: First Year Standardized Mortality Ratio (SMR)								
3r SMR [*4]	0.93	1.25	0.52		0.90	1.00	1.02	1.00
3s P-value [*5]	0.999	0.748	0.511		0.891	n/a	n/a	n/a
3t Confidence interval for SMR [*6]								
High (97.5% limit)	2.72	2.91	1.86		1.65	n/a	n/a	n/a
Low (2.5% limit)	0.19	0.40	0.06		0.43	n/a	n/a	n/a
3u First Year SMR percentiles for this facility [*7]								
In this State	50	68	28		46	n/a	n/a	n/a
In this Network	50	66	26		43	n/a	n/a	n/a
In the U.S.	50	67	26		46	n/a	n/a	n/a

n/a = not applicable
[*1] See *Guide, Section VI.*
[*2] Values are shown for the average facility, annualized.
[*3] Defined as deaths due to street drugs and accidents unrelated to treatment.
[*4] Calculated as a ratio of deaths to expected deaths (3c to 3d for all patients, 3n to 3o for new patients);not shown if there are fewer than 3 expected deaths.
[*5] A p-value less than 0.05 indicates that the difference between the actual and expected mortality is probably real and is not due to random chance alone, while a p-value greater than or equal to 0.05 indicates that the difference could plausibly be due to random chance.
[*6] The confidence interval range represents uncertainty in the value of the SMR due to random variation.
[*7] All facilities are included in ranking, regardless of the number of expected deaths.
[*8] Sum of 4 years (all patients) or 3 years (new patients) used for calculations; should not be compared to regional averages.

TABLE 4: Hospitalization Summary for Medicare Dialysis Patients [*1], 2012-2015

Measure Name	2012	2013	2014	2015	2012-2015	State [*2]	Network [*2]	U.S. [*2]
Medicare Dialysis Patients							2012-2015	
4a Medicare dialysis patients (n)	151	154	147	136	588 [*3]	82.4	89.3	74.1
4b Patient-years (PY) at risk (n)	117.8	118.5	114.5	107.9	458.6 [*3]	53.4	57.7	45.4
Days Hospitalized Statistics								
4c Total days hospitalized (n)	859	1167	1109	931	4066 [*3]	605.1	697.3	599.8
4d Expected total days hospitalized (n)	1460.8	1416.9	1311.4	1225.7	5414.8 [*3]	691.6	748.8	601.9
4e Standardized Hospitalization Ratio (Days) [*4]	0.59	0.82	0.85	0.76	0.75	0.88	0.93	1.00
4f P-value [*5]	0.149	0.572	0.624	0.464	0.322	n/a	n/a	n/a
4g Confidence interval for SHR (Days) [*6]								
High (97.5% limit)	1.19	1.47	1.52	1.48	1.29	n/a	n/a	n/a
Low (2.5% limit)	0.31	0.50	0.50	0.42	0.46	n/a	n/a	n/a
4h Percentiles for this facility (Days) [*7]								
In this State	17	48	51	37	32	n/a	n/a	n/a
In this Network	11	39	43	31	23	n/a	n/a	n/a
In the U.S.	15	38	41	30	25	n/a	n/a	n/a
Admission Statistics								
4i Total admissions (n)	147	151	164	155	617 [*3]	91.2	101.3	82.7
4j Expected total admissions (n)	215.6	207.4	190.5	179.7	793.2 [*3]	95.2	102.8	82.8
4k Standardized Hospitalization Ratio (Admissions) [*4]	0.68	0.73	0.86	0.86	0.78	0.96	0.99	1.00
4l P-value [*5]	0.156	0.222	0.581	0.607	0.270	n/a	n/a	n/a
4m Confidence interval for SHR (Admissions) [*6]								
High (97.5% limit)	1.15	1.19	1.37	1.39	1.19	n/a	n/a	n/a
Low (2.5% limit)	0.43	0.47	0.57	0.57	0.53	n/a	n/a	n/a
4n Percentiles for this facility (admissions) [*7]								
In this State	14	19	40	40	22	n/a	n/a	n/a
In this Network	10	16	38	37	18	n/a	n/a	n/a
In the U.S.	14	18	36	35	20	n/a	n/a	n/a
4o Diagnoses associated with hospitalization (% of 4a) [*8]								
Septicemia	13.2	13.6	17.0	11.8	13.9	11.7	11.9	10.9
Acute myocardial infarction	2.0	4.5	3.4	5.1	3.7	4.2	4.2	4.1
Congestive heart failure	19.9	16.9	23.1	22.1	20.4	21.4	21.5	23.4
Cardiac dysrhythmia	9.3	5.8	10.9	11.0	9.2	14.5	14.1	15.9
Cardiac arrest	2.0	1.3	2.7	1.5	1.9	2.0	2.0	2.1
4p One day admissions (% of 4i)	17.7	10.6	9.8	12.3	12.5	13.3	12.9	11.5
4q Average length of stay (days per admission; 4c/4i)	5.8	7.7	6.8	6.0	6.6	6.6	6.9	7.3

(continued)

TABLE 4 (cont.): Hospitalization Summary for Medicare Dialysis Patients [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	2012-2015	State [*2]	Network [*2]	U.S. [*2]
Emergency Department (ED) Statistics							**2012-2015**	
4r Total ED visits (n)	262	283	270	251	1066 [*3]	137.8	148.0	138.7
4s Expected total ED visits (n)	392	386	365	342	1484 [*3]	159.8	172.7	139.2
4t Standardized Hospitalization Ratio (ED) [*4]	0.67	0.73	0.74	0.73	0.72	0.86	0.86	1.00
4u P-value [*5]	0.109	0.165	0.195	0.206	0.105	n/a	n/a	n/a
4v Confidence interval for SHR (ED) [*6]								
High (97.5% limit)	1.09	1.12	1.15	1.16	1.07	n/a	n/a	n/a
Low (2.5% limit)	0.44	0.52	0.52	0.50	0.51	n/a	n/a	n/a
4w Percentiles for this facility (ED) [*7]								
In this State	22	30	32	32	25	n/a	n/a	n/a
In this Network	21	29	31	31	23	n/a	n/a	n/a
In the U.S.	11	17	17	16	11	n/a	n/a	n/a
4x Patients with ED visit (% of 4a)	58.3	59.7	56.5	62.5	59.2	57.5	58.3	60.8
4y ED visits that result in hospitalization (% of 4t)	44.7	44.2	48.5	51.4	47.1	50.8	53.6	47.8
4z Admissions that originate in the ED (% of 4i)	79.6	82.8	79.9	83.2	81.4	76.8	78.3	80.2
Readmission Statistics							**2015**	
4aa Index discharges (n)	140	130	138	127	n/a	86.9	96.7	77.2
4ab Total readmissions (n)	30	41	33	39	n/a	21.9	24.4	20.3
4ac Expected total readmissions (n)	38	39	37	34	n/a	21.8	23.9	20.7
4ad Standardized Readmission Ratio (SRR)	0.79	1.06	0.88	1.15	n/a	1.0	1.0	1.0
4ae P-value [*5]	0.197	0.875	0.460	0.713	n/a	n/a	n/a	n/a
4af Confidence interval for SRR [*6]					n/a			
High (97.5% limit)	1.16	1.35	1.19	1.58	n/a	n/a	n/a	n/a
Low (2.5% limit)	0.49	0.80	0.62	0.77	n/a	n/a	n/a	n/a

n/a = not applicable.
[*1] Based on patients with Medicare as primary insurer; see *Guide, Section VII.*
[*2] Values are shown for the average facility, annualized.
[*3] Sum of 4 years used for calculations; should not be compared to regional averages.
[*4] Standardized Ratios are calculated as ratio of actual to expected events (4c/4d for days, 4i/4j for admissions, 4r/4s for ED visits, and 4ab/4ac for readmissions). SHRs are not shown if there are less than 5 patient years at risk. SRR is not shown if fewer than 11 index discharges in the year.
[*5] A p-value less than 0.05 indicates that the difference between the actual and expected event is probably real and is not due to random chance alone, while a p-value greater than or equal to 0.05 indicates that the difference could plausibly be due to random chance.
[*6] The confidence interval range represents uncertainty in the value of the standardized hospitalization and readmission ratios (SHRs and SRR) due to random variation.
[*7] All facilities are included in ranking, regardless of the number of patient years at risk.
[*8] Includes diagnoses present at admission and diagnoses added during the hospital stay.

TABLE 5: Transplantation Summary for Dialysis Patients under Age 70 [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	2012-2015	State [*2]	Network [*2]	U.S. [*2]
All patients							**2012-2015**	
5a Eligible patients (n)	177	169	156	158	660 [*10]	82.6	90.8	65.4
5b Transplants (n)	16	15	12	9	52 [*10]	2.7	2.6	1.9
5c Donor type (sums to 5b) [*3]								
Living donor (n)	6	4	2	3	15 [*10]	0.7	0.7	0.5
Deceased donor (n)	10	11	10	6	37 [*10]	2.0	1.9	1.5
Patients who have not Previously Received a Transplant								
5d Eligible patients (n)	131	127	115	122	495 [*10]	76.3	84.2	59.7
5e Patient years (PY) at risk (n)	94.6	97.7	96.6	96.4	385.2 [*10]	57.0	63.5	40.7
5f First transplants [*4] (n)	9	12	6	8	35 [*10]	2.3	2.2	1.7
5g Expected first transplants (n)	6.9	6.4	6.0	7.9	27.1 [*10]	2.4	2.7	1.7
Standardized 1st Transplantation Ratio (STR) [*5]								
5h STR [*6]					1.29	0.97	0.82	1.00
5i P-value [*7]					0.164	n/a	n/a	n/a
5j Confidence interval for STR [*8]								
High (97.5% limit)					1.79	n/a	n/a	n/a
Low (2.5% limit)					0.90	n/a	n/a	n/a
5k STR percentiles for this facility [*9]								
In this State					73	n/a	n/a	n/a
In this Network					85	n/a	n/a	n/a
In the U.S.					68	n/a	n/a	n/a

n/a = not applicable.
[*1] See *Guide, Section VIII.*
[*2] Values are shown for the average facility, annualized.
[*3] Values may not sum to 5b due to unknown donor type.
[*4] Among first transplants that occurred after the start of dialysis from 2012-2015, 3.8% of transplants in the U.S. were not included because the transplant occurred fewer than 90 days after the start of ESRD and 1.1% were not included because the patient was not assigned to a facility at time of transplant.
[*5] This section is calculated for the 4-year period only and not reported if there are fewer than 3 expected transplants.
[*6] Standardized 1st Transplantation Ratio calculated as ratio of actual (5f) to expected (5g) transplants.
[*7] A p-value less than 0.05 indicates that the difference between the actual and expected transplants is probably real and is not due to random chance, while a p-value greater than or equal to 0.05 indicates that the difference is plausibly due to random chance.
[*8] The confidence interval range represents uncertainty in the value of the STR due to random variation.
[*9] All facilities are included in ranking, regardless of the number of expected transplants.
[*10] Sum of 4 years used for calculations; should not be compared to regional averages.

TABLE 6: Waitlist Summary for Dialysis Patients under Age 70 Treated on December 31st of Each Year [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
							2015	
6a Eligible patients on 12/31 (n)	136	142	127	143		69.0	76.8	48.2
6b Patients on the waitlist (% of 6a)	45.6	41.5	44.1	42.7		31.2	26.0	22.6
6c P-value [*3] (compared to U.S. value)	<0.01	<0.01	<0.01	<0.01		n/a	n/a	n/a
6d Patients on the waitlist by subgroup (%) [*4]								
Age < 40	58.6	51.7	52.8	40.7		43.6	38.6	33.1
Age 40-69	35.9	34.1	37.8	44.0		29.5	24.2	21.2
Male	44.8	37.3	38.7	35.2		32.2	26.9	23.7
Female	46.4	46.3	49.2	50.0		29.8	24.4	21.0
African American	50.0	50.0	58.3	46.7		27.2	22.7	21.0
Asian/Pacific Islander	50.0	54.5	50.0	60.0		41.2	31.9	33.2
Native American	33.3	33.3	33.3	33.3		22.0	16.3	15.5
White, Hispanic	40.7	39.8	41.4	35.9		30.5	26.0	25.4
White, non-Hispanic	55.6	37.9	42.3	50.0		29.1	24.4	21.6
Other/unknown race	66.7	50.0	50.0	50.0		36.5	34.6	24.9
Diabetes	28.9	31.6	37.5	37.5		26.7	21.4	18.4
Non-diabetes	52.0	45.2	46.3	44.7		35.8	30.6	26.0
Previous kidney transplant	55.9	57.1	45.5	45.5		44.8	39.4	40.1
No previous kidney transplant	42.2	36.4	43.6	41.8		30.1	24.9	21.1
< 2 years since start of ESRD	38.1	35.6	41.9	35.9		19.1	13.9	15.3
2-4 years since start of ESRD	48.1	29.0	54.5	52.6		37.2	31.7	28.1
5+ years since start of ESRD	49.3	51.5	39.7	40.9		37.2	31.6	25.3

n/a = not applicable.
[*1] See *Guide, Section IX*.
[*2] Values are shown for the average facility.
[*3] Facility waitlist percentage is compared to the U.S. waitlist percentage for that year: 24.3% (2012), 24.4% (2013), 24.0% (2014), 22.6% (2015). A p-value greater than 0.05 indicates that the difference between percent of patients wailisted at the facility and national percentage is plausibly due to random chance.
[*4] A missing value indicates that there were no eligible patients in the subgroup.

TABLE 7: Influenza Vaccination Summary for Medicare Dialysis Patients Treated on December 31st of Each Year [*1] , Flu Seasons August 2012-December 2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
							2015	
7a Eligible patients on 12/31 (n)	118	123	110	106		56.7	61.0	46.9
7b Patients vaccinated between Aug. 1 and Dec. 31 (% of 7a)	69.5	64.2	81.8	75.5		73.2	71.6	73.3
7c P-value [*3] (for 7b compared to U.S. value [*4])	0.436	0.050	0.031	0.353		n/a	n/a	n/a
							2014	
7d Patients vaccinated between Aug 1 and Mar 31 of following year (% of 7a)	69.5	65.9	81.8			73.3	71.4	74.2
7e P-value [*3] (for 7d compared to U.S. value [*5])	0.343	0.074	0.038			n/a	n/a	n/a
							2015	
7f Patients vaccinated between Aug 1 and Dec 31 by subgroup (%) [*6]								
Age < 18	100	50.0	100	0.0		61.4	62.2	57.5
Age 18-39	69.7	60.5	76.7	78.6		69.0	67.0	69.9
Age 40-64	62.2	61.4	79.1	70.5		74.0	72.8	73.8
Age 65-74	78.6	71.4	92.3	87.0		71.8	69.9	72.8
Age 75+	70.0	72.7	80.0	70.0		74.2	72.4	74.1
Male	72.2	65.6	84.5	74.1		73.4	72.2	73.5
Female	67.2	62.9	78.8	76.9		72.8	70.7	73.1
African American	66.7	66.7	66.7	66.7		65.5	62.9	71.0
Asian/Pacific Islander	88.2	61.5	75.0	54.5		78.2	76.7	76.7
Native American	66.7	66.7	100	100		75.3	74.2	80.0
White	66.7	66.0	85.4	79.7		73.5	72.2	74.4
Other/unknown race	50.0	25.0	50.0	50.0		71.9	71.6	68.5
Hispanic	69.1	67.1	81.0	75.9		76.3	74.8	75.0
< 1 year since start of ESRD	66.7	42.9	100	60.0		58.6	56.2	59.7
1-2 years since start of ESRD	69.2	72.2	86.7	73.9		73.3	71.7	72.4
3+ years since start of ESRD	70.1	64.4	77.1	76.9		76.5	75.0	77.2

n/a = not applicable
[*1] Based on patients with Medicare as primary insurer; see *Guide, Section X.*
[*2] Values are shown for the average facility.
[*3] A p-value greater than or equal to 0.05 indicates that the difference between percent of patients vaccinated at the facility and national percentage is plausibly due to random chance.
[*4] Compared to the U.S. value for that year and time period (8/1-12/31): 70.5% (2012), 71.4% (2013), 73.8% (2014), 73.3% (2015).
[*5] Compared to the U.S. value for that year and time period (8/1-3/31): 71.5% (2012), 72.2% (2013), 74.2% (2014).
[*6] A missing value indicates that there were no eligible patients in the subgroup.

TABLE 8: Anemia Management [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
Hemoglobin and ESA-CROWNWeb							**2015**	
8a Eligible patients (n) [*3]	176	183	185	176		122.4	134.5	86.4
8b Eligible patient-months (n) [*4]	1184	1784	1765	1733		1113.8	1228.0	760.2
8c Average hemoglobin [*5] (g/dL) (average of 8b)	11.2	10.8	10.7	10.6		10.8	10.8	10.8
8d Hemoglobin categories (% of 8b; sums to 100%)								
<10 g/dL	11.7	24.0	26.1	25.7		18.5	18.8	20.5
10-<11 g/dL	26.9	29.7	30.7	34.2		34.1	34.4	33.1
11-12 g/dL	37.1	25.3	23.4	24.1		28.6	28.4	28.3
>12 g/dL	18.8	15.6	13.7	9.8		10.9	10.9	12.2
Missing/Out of range	5.6	5.4	6.1	6.2		7.9	7.4	5.9
8e ESA prescribed (% of 8b)	79.4	77.0	73.5	74.6		66.0	69.5	67.6
Standardized Transfusion Ratio (STrR)								
8f Adult Medicare patients (n)	132	131	129	117		75.8	82.1	60.3
8g Patient years (PY) at risk (n)	93	101	97	89		45.8	49.3	36.6
8h Total transfusions (n)	31	50	29	30		14.9	18.0	14.1
8i Expected total transfusions (n)	39.6	40.9	36.4	31.2		17.8	19.2	14.4
8j Standardized Transfusion Ratio [*6]	0.78	1.22	0.80	0.96		0.84	0.94	1.00
Upper Confidence Limit (97.5%)	1.54	2.06	1.56	1.85		n/a	n/a	n/a
Lower Confidence Limit (2.5%)	0.44	0.78	0.44	0.55		n/a	n/a	n/a
8k P-value [*7]	0.536	0.336	0.563	0.990		n/a	n/a	n/a
Hemoglobin-Medicare Claims [*8]								
8l Eligible hemodialysis (HD) patients (n) [*8]	95	96	86	87		48.3	51.5	36.3
8m Hemoglobin categories among HD pts (% of 8l; sums to 100%)								
< 10 g/dL	5.3	12.5	16.3	12.6		12.1	13.3	16.5
10-<11 g/dL	30.5	59.4	59.3	57.5		67.2	68.3	65.1
11-12 g/dL	62.1	28.1	24.4	28.7		20.4	18.2	18.1
> 12 g/dL	2.1	0.0	0.0	1.1		0.3	0.2	0.3
8n Eligible peritoneal dialysis (PD) patients (n) [*8]	23	18	21	18		4.3	4.5	3.3
8o Hemoglobin categories among PD pts (% of 8n; sums to 100%)								
< 10 g/dL	8.7	16.7	28.6	27.8		23.0	22.9	26.4
10-<11 g/dL	73.9	66.7	52.4	66.7		57.6	57.2	57.2
11-12 g/dL	17.4	16.7	19.0	0.0		18.3	18.4	15.7
> 12 g/dL	0.0	0.0	0.0	5.6		1.1	1.5	0.6

n/a = not applicable
[*1] See *Guide, Section XI.*
[*2] Values are shown for the average facility.
[*3] Includes those who switch between HD and PD during the month and patients for whom modality is unknown.
[*4] Patients may be counted up to 12 times per year.
[*5] Based on in-range values; see Guide for range values.
[*6] Calculated as a ratio of observed transfusions to expected transfusions (8h to 8i); not shown if there are fewer that 10 patient-years at risk for transfusions.
[*7] A p-value less than 0.05 indicates that the difference between the actual and expected transfusion is probably real and is not due to random chance alone, while a p-value greater than or equal to 0.05 indicates that the difference could plausibly be due to random chance.
[*8] Among ESA-treated dialysis patient with ESRD for 90+ days and 4 or more claims at this facility.

TABLE 9: Dialysis Adequacy [*1] , May 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
Hemodialysis Adequacy							**2015**	
9a Eligible HD patients (n)	137	139	134	133		112.0	124.5	79.2
9b Eligible HD patient-months (n) [*3]	922	1348	1291	1288		1015.5	1131.7	694.1
9c Average normalized protein catabolic rate (nPCR) [*4] (average of 9b)		0.3	0.5	0.7		1.0	1.0	0.9
9d nPCR Missing/Out of range (% of 9b)	100	99.9	99.9	99.8		30.0	35.0	29.1
9e Ultrafiltration Rate: Average [*4] (ml/kg/hr) (average of 9b)	7.5	7.8	8.1	8.1		8.8	8.8	8.1
9f Ultrafiltration Rate categories (% of 9b; sums to 100%)								
<=13 (ml/kg/hr)	80.0	79.4	77.7	80.7		44.2	45.6	55.6
>13 (ml/kg/hr)	10.6	12.5	13.7	11.2		9.0	9.2	7.9
Missing/Out of range	9.3	8.2	8.6	8.1		46.8	45.2	36.5
9g Eligible HD Kt/V patients (n) [*5]	112	121	119	114		104.1	114.3	74.9
9h Eligible HD Kt/V patient-months (n) [*3] [*5]	709	1118	1086	1091		914.1	1006.3	643.5
9i Average Kt/V [*4] (average of 9h)	1.6	1.7	1.7	1.8		1.6	1.6	1.6
9j Kt/V categories (% of 9h; sums to 100%)								
<1.2	5.1	4.6	2.5	0.9		3.4	3.4	3.2
1.2-<1.8	65.6	65.1	59.8	61.6		68.3	68.2	68.1
>=1.8	29.3	30.1	37.3	36.0		23.4	23.8	24.9
Missing/Out of range	0.0	0.3	0.5	1.5		5.0	4.6	3.8
Peritoneal Dialysis Adequacy [*6]								
9k Eligible PD patients (n)	40	46	53	48		31.2	29.4	20.3
9l Eligible PD patient-months (n) [*3]	261	432	470	435		266.3	252.7	161.7
9m Average weekly Kt/V (average of 9l)	2.1	2.0	2.1	2.2		2.3	2.3	2.3
9n Weekly Kt/V categories (% of 9l; sums to 100%)								
<1.7	7.7	6.7	10.6	6.7		7.1	7.9	7.6
1.7-<2.5	56.0	56.7	49.8	52.0		58.2	56.7	59.8
>=2.5	14.3	8.1	11.7	16.6		23.2	22.9	24.4
Missing/Out of range	22.0	28.5	27.9	24.8		11.5	12.5	8.2
9o Average normalized protein catabolic rate (nPCR) [*4] (average of 9l)	0.9	1.0	0.9	1.0		0.8	0.8	0.8
9p nPCR Missing/Out of range (% of 9l)	50.6	29.2	73.0	76.6		83.8	82.7	80.5
Adult Kt/V--Medicare Claims [*7]								
9q Eligible adult hemodialysis (HD) patients (n) [*8]	119	126	112	104		74.3	80.9	65.2
9r Eligible adult HD patient-months (n) [*3]	1092	1098	1026	1031		561.4	609.1	471.5
9s Kt/V categories among adult HD patients (% of 9r; sums to 100%)								
<1.2	5.6	3.6	2.5	1.3		2.7	2.7	2.5
1.2-<1.4	13.3	11.0	8.8	9.4		19.2	19.5	17.2
1.4-<1.6	26.8	26.0	23.0	21.1		29.7	29.6	29.6
1.6-<1.8	26.9	28.6	27.1	29.1		24.4	24.3	25.5
>= 1.8	26.9	30.6	38.6	38.9		22.4	22.2	23.1
Missing/Out of range/Not performed/Expired	0.5	0.2	0.0	0.2		1.7	1.8	2.0

(continued)

TABLE 9: Dialysis Adequacy [*1] , May 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
							2015	
9t Adult HD: Kt/V >=1.2 (% of 9r) [*5]	94.0	96.3	97.5	98.5		95.6	95.5	95.4
9u Eligible adult peritoneal dialysis (PD) patients (n)	25	31	35	32		7.1	7.4	6.1
9v Eligible adult PD patient-months (n) [*3]	245	249	290	248		57.4	60.1	46.6
9w Kt/V categories among adult PD patients (% of 9v; sums to 100%)								
<1.7	1.6	2.8	3.8	2.4		6.9	6.9	7.5
1.7-<1.9	4.1	6.4	5.2	4.8		19.6	19.2	18.6
1.9-<2.2	8.6	5.6	5.2	6.9		28.6	28.2	28.2
2.2-<2.5	5.3	2.0	1.7	4.0		16.9	16.5	17.5
>=2.5	2.0	2.8	4.5	4.8		22.5	22.5	23.1
Missing/Out of range/Not performed/Expired	78.4	80.3	79.7	77.0		5.4	6.7	5.1
9x Adult PD: Kt/V >=1.7 (% of 9v) [*9]	20.0	16.9	16.6	20.6		87.7	86.4	87.4

n/a = not applicable.
[*1] See *Guide, Section XII.*
[*2] Values are shown for the average facility.
[*3] Patients may be counted up to 12 times per year.
[*4] Based on in-range values; see Guide for range values.
[*5] HD Kt/V summaries are restricted to patients who dialyze thrice weekly.
[*6] The PD Adequacy section uses the most recent value over a 4-month look-back period. Therefore, reporting for PD in this table begins with August 2012 which includes a look-back through May 2012.
[*7] Kt/V: K = dialyzer clearance of urea; t = dialysis time; V = patient's total body water. Based on the value code D5: Result of last Kt/V.
[*8] Patient-months reporting 2 or fewer, or 4 or more adult dialysis sessions per week were excluded from the HD Kt/V calculations.
[*9] Values calculated based only on Kt/V values reported in range.

TABLE 10: Mineral Metabolism [*1] , May 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
							2015	
10a Eligible patients (n) [*3]	176	183	185	176		122.4	134.5	86.4
10b Eligible patient-months (n) [*4]	1184	1784	1765	1733		1113.8	1228.0	760.2
10c Average phosphorous [*5] (mg/dL) (average of 10b)	5.7	5.6	5.5	5.6		5.2	5.2	5.3
10d Phosphorous categories (% of 10b; sums to 100%)								
<3.5 mg/dL	8.5	11.0	10.2	9.5		8.7	9.1	8.7
3.5-4.5 mg/dL	15.2	17.2	18.7	16.7		24.8	25.2	24.3
4.6-5.5 mg/dL	26.4	24.7	26.6	25.7		28.5	28.7	27.8
5.6-7.0 mg/dL	22.6	23.0	21.0	23.9		19.1	18.8	21.0
>7.0 mg/dL	21.1	18.4	17.3	17.9		10.7	10.4	11.8
Missing/Out of range	6.2	5.6	6.2	6.2		8.2	7.8	6.3
10e Average calcium uncorrected [*5] (mg/dL) (average of 10b)	8.7	8.8	9.0	8.8		9.0	9.0	9.0
10f Calcium uncorrected categories (% of 10b; sums to 100%)								
<8.4 mg/dL	23.8	20.2	18.1	18.9		14.7	14.7	16.3
8.4-10.2 mg/dL	65.6	69.9	72.8	72.3		74.3	74.6	74.0
>10.2 mg/dL	4.4	4.4	2.9	2.3		2.9	3.0	3.2
Missing/Out of range	6.2	5.4	6.2	6.5		8.2	7.8	6.5

[*1] See *Guide, Section XIII.*
[*2] Values are shown for the average facility.
[*3] Includes those who switch between HD and PD during the month and patients for whom modality is unknown.
[*4] Patients may be counted up to 12 times per year.
[*5] Based on in-range values; see *Guide* for range values.

TABLE 11: Vascular Access Information and Access-Releated Infection [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
Vascular Access [*3]							**2015**	
11a Prevalent adult hemodialysis patient-months [*4] (n)	948	1389	1331	1307		1035.1	1160.7	730.6
11b Vascular access type in use (% of 11a; sums to 100%)								
Arteriovenous fistula	51.6	52.1	53.7	57.5		68.7	69.1	65.6
Arteriovenous graft	21.7	22.0	19.2	16.2		16.6	16.3	18.7
Catheter	26.7	25.8	27.1	26.2		14.6	14.6	15.7
Other/Missing	0.0	0.0	0.0	0.0		0.0	0.0	0.0
11c Arteriovenous fistulae in place (% of 11a) [*5]	51.6	52.1	53.9	58.0		69.6	70.1	66.9
11d Catheter only >= 90 days (% of 11a) [*6]	24.6	22.5	23.8	21.0		9.6	9.6	9.9
Vascular Access at First Treatment [*3]								
11e Incident adult hemodialysis patients (n)	14	21	16	19		22.7	24.5	17.4
11f Vascular access type in use (% of 11e; sums to 100%)								
Arteriovenous fistula	7.1	23.8	6.3	5.3		21.6	19.5	19.6
Arteriovenous graft	7.1	0.0	0.0	0.0		4.8	4.0	4.5
Catheter	85.7	76.2	93.8	94.7		73.5	76.5	75.8
Other/Missing	0.0	0.0	0.0	0.0		0.0	0.1	0.1
11g Arteriovenous fistulae in place (% of 11e) [*5]	7.1	23.8	6.3	5.3		23.4	21.4	22.3
Infection: Peritoneal dialysis (PD) [*3]								
11h Eligible PD patients (n)	30	40	37	34		9.3	9.6	7.4
11i Eligible PD patient-months [*4]	282	292	324	284		66.5	69.4	53.3
11j PD catheter infection rate per 100 PD patient-months [*7]	2.48	4.45	8.95	8.45		2.24	2.27	2.49
11k P-value [*8] for 11n (compared to U.S. value) [*9]	0.356	0.113	<0.01	<0.01		n/a	n/a	n/a

n/a = not applicable
[*1] See *Guide, Section XIV*.
[*2] Values are shown for the average facility.
[*3] Vascular Access type is based on data reported in CROWNWeb as of May, 2012 so summaries for 2012 are not for a full calendar year. PD infection summaries are based on Medicare Dialysis claims.
[*4] Patients may be counted up to 12 times per year per facility.
[*5] Includes all patients with fistulae, regardless of whether or not they received their hemodialysis treatments using their fistulae.
[*6] Catheter was used for treatment and has been in place for 90 days or more prior to treatment. Patient does not have an fistula or graft in place. Catheter is only access. Port access devices are reported as catheters for this project.
[*7] The ICD-9 PD catheter infection code for PD patients is 996.68 which is effective from 5/1/2012-9/30/2015 and the ICD-10 PD catheter infection code for PD patients is T8571XA which is effective from 10/1/2015-12/31/2015.
[*8] A p-value greater than or equal to 0.05 indicates the differences between the percent of patients with infection at the facility and national percentage is plausibly due to random chance.
[*9] Compared to U.S. value for that year: 3.09 (2012), 3.05 (2013), 2.84 (2014), and 2.49 (2015).

TABLE 12: Comorbidities Reported on Medicare Claims for Medicare Dialysis Patients Treated as of December 31st of Each Year [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
							2015	
12a Medicare dialysis patients on 12/31 (n)	120	118	111	107		62.4	68.0	50.1
12b Comorbidity (% yes of 12a)								
Infections								
AIDS/HIV positive	0.0	0.0	0.0	0.0		0.9	0.9	1.8
Dialysis access-related	15.8	16.9	10.8	11.2		8.9	9.2	10.5
Hepatitis B	1.7	3.4	2.7	2.8		1.9	2.0	1.9
Hepatitis other	7.5	11.0	8.1	9.3		5.1	4.8	5.8
Metastatic	5.8	4.2	2.7	2.8		3.0	2.9	3.6
Pneumonia	3.3	3.4	3.6	2.8		6.2	6.3	5.9
Tuberculosis	0.8	0.8	0.0	4.7		0.6	0.7	0.5
Other	40.8	39.8	45.0	43.9		43.4	43.6	45.0
Cardiovascular								
Cardiac arrest	3.3	3.4	2.7	1.9		1.4	1.4	1.6
Cardiac dysrhythmia	35.8	27.1	19.8	26.2		34.6	34.3	36.7
Cerebrovascular disease	18.3	19.5	20.7	24.3		22.4	22.4	24.0
Congestive heart failure	47.5	45.8	45.9	50.5		48.0	48.2	51.2
Ischemic heart disease	39.2	34.7	35.1	44.9		45.5	45.5	48.6
Myocardial infarction	6.7	7.6	8.1	8.4		8.9	8.9	9.0
Peripheral vascular disease [*3]	37.5	40.7	44.1	42.1		42.9	43.2	42.0
Other								
Alcohol dependence	1.7	3.4	4.5	2.8		3.2	3.2	3.1
Anemia	5.0	3.4	1.8	4.7		8.4	9.4	9.1
Cancer	10.0	6.8	8.1	9.3		9.2	9.1	10.8
Chronic obstructive pulmonary disease	22.5	21.2	25.2	23.4		26.4	25.4	32.1
Diabetes	50.0	50.0	53.2	55.1		68.8	70.1	65.9
Drug dependence	2.5	4.2	8.1	11.2		2.8	2.7	2.9
Gastrointestinal tract bleeding	2.5	4.2	1.8	0.0		3.1	3.2	3.4
Hyperparathyroidism	90.8	94.1	91.9	95.3		87.9	86.4	88.1
12c Average number of comorbid conditions	4.5	4.5	4.4	4.8		4.8	4.8	5.0

n/a = not applicable
[*1] Based on patients with Medicare as primary insurer on 12/31 each year. See *Guide, Section XV*.
[*2] Values are shown for the average facility.
[*3] Peripheral vascular disease includes venous, arterial and nonspecific peripheral vascular diseases.

TABLE 13: Facility Information [*1] , 2015

Measure Name	2015	-	State [*2]	Network [*2]	U.S. [*2]
13a Organization	SAMPLE MEDICAL CARE(SMC)				
13b Ownership	Non-profit				
13c Initial Medicare certification date	01/01/1999				
13d Number of stations	20				
13e Services provided	Hemodialysis and Peritoneal Dialysis				
13f Shifts after 5:00 pm	Yes				
13g Dialyzer Reuse					
13h CMS Certification Number (CCN) included in this report	999999				
13i National Provider Identifier (NPI) [*3]	1234567890				
Patient Placement				**2015**	
13j Patients treated during year from AFS Form-2744 (n)	212		148.9	164.1	104.9
13k Transferred into facility (% of 13j)	4.7		12.9	13.1	15.1
13l Transferred out of facility (% of 13j)	5.2		13.4	13.9	14.9
13m Patients treated on 12/31 (n)	170		108.0	119.0	72.7
13n Medicare eligibility status (% of 13m; sums to 100% [*4])					
Medicare	65.3		59.3	50.5	63.6
Medicare application pending	14.7		1.4	1.4	0.9
Non-Medicare	20.0		39.2	48.0	35.5
Survey and Certfication					
13o Date of last survey	04/03/2015		n/a	n/a	n/a
13p Type of survey	Recertification		n/a	n/a	n/a
13q Compliance condition after survey	Unknown				
13r Number of CFC deficiencies cited	2		0.6	0.6	0.3
13s Number of Standard deficiencies cited	11		9.6	11.0	5.9

n/a = not applicable
[*1] See *Guide, Section XVI.* Information based on data reported in CROWNWeb as of May, 2016. If missing, data were not available.
[*2] Values are shown for the average facility.
[*3] Information based on CROWNWeb data as of March 2016. If missing, data were not available.
[*4] Values may not sum to exactly 100% because of unknown Medicare status.
[*5] Data on this section are from the facility's latest survey since January 2009. If your facility has not been surveyed since January 2009, facility-level data on this table will be missing.

TABLE 14: Selected Measures for Dialysis Patients under Age 18 [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
Patient Characteristics								
14.1a Patients treated on 12/31 (n)	8	3	2	11		n/a	n/a	n/a
14.1c Age (% of 14.1a; sums to 100%)								
< 5	12.5	66.7	0.0	54.5		35.9	39.2	27.6
5-9	12.5	0.0	50.0	18.2		12.0	13.1	15.2
10-14	37.5	33.3	50.0	27.3		21.2	20.0	22.8
15-17	37.5	0.0	0.0	0.0		31.0	27.7	34.4
14.1d Female (% of 14.1a)	62.5	33.3	50.0	45.5		48.9	49.2	45.1
14.1e Race (% of 14.11a; sums to 100%) [*3]								
African American	12.5	0.0	0.0	9.1		7.6	6.9	27.5
Asian/Pacific Islander	0.0	0.0	0.0	0.0		7.1	3.1	4.1
Native American	0.0	0.0	0.0	0.0		0.5	0.0	0.8
White	87.5	100	100	90.9		82.1	87.7	65.9
Other/Unknown/Missing	0.0	0.0	0.0	0.0		2.7	2.3	1.8
14.1f Ethnicity (% of 14.1a; sums to 100%)								
Hispanic	50.0	33.3	50.0	72.7		58.2	62.3	32.1
Non-Hispanic	50.0	66.7	50.0	27.3		40.2	36.2	67.1
Unknown	0.0	0.0	0.0	0.0		1.6	1.5	0.8
14.1g Cause of ESRD (% of 14.1a; sums to 100%)								
Diabetes	0.0	0.0	0.0	0.0		5.4	6.9	1.8
Hypertension	0.0	0.0	0.0	0.0		3.3	4.6	2.3
Glomerulonephritis	25.0	0.0	50.0	36.4		23.4	20.8	27.7
Cystic Kidney	12.5	33.3	0.0	9.1		6.5	5.4	5.1
Congenital/Hereditary	37.5	33.3	0.0	45.5		31.0	30.8	42.8
Hemolytic Uremic Syndrome	0.0	0.0	0.0	0.0		0.0	0.0	0.0
Other	25.0	33.3	50.0	0.0		19.6	19.2	12.6
Unknown/Missing	0.0	0.0	0.0	9.1		8.7	9.2	5.6
14.1i Years since start of ESRD (% of 14.1a; sums to 100%)								
< 1	37.5	33.3	0.0	45.5		29.9	23.8	29.7
1-2	12.5	66.7	50.0	27.3		18.5	17.7	21.8
2-3	12.5	0.0	50.0	9.1		15.2	16.9	14.4
3-6	12.5	0.0	0.0	9.1		19.0	22.3	15.9
6+	25.0	0.0	0.0	9.1		17.4	19.2	18.2
14.1k Modality (% of 14.1a; sums to 100%)								
In-center hemodialysis	0.0	0.0	0.0	0.0		45.7	47.7	49.5
Home hemodialysis	0.0	0.0	0.0	0.0		0.5	0.8	0.8
Continuous ambulatory peritoneal dialysis	0.0	0.0	0.0	0.0		2.7	0.8	1.5
Continuous cycling peritoneal dialysis	87.5	100	100	100		51.1	50.8	47.8
Other modality [*4]	12.5	0.0	0.0	0.0		0.0	0.0	0.4

(continued)

TABLE 14 (cont.): Selected Measures for Dialysis Patients under Age 18 [*1] , 2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
Characteristics of New Dialysis Patients								
14.2a Total number of patients with forms (n)	3	2	4	9		n/a	n/a	n/a
14.2g Medical coverage (% of 14.2a; sums to 100%)								
Employer group only	0.0	0.0	50.0	11.1		17.2	15.1	18.1
Medicare (alone or combined w/ other insurance)	0.0	50.0	0.0	0.0		35.3	37.0	19.9
Medicaid only	0.0	50.0	0.0	11.1		22.4	15.1	45.6
Other/Unknown/None	100	0.0	50.0	77.8		25.0	32.9	16.5
14.2k Number of incident hemodialysis patients (n)	0	0	0	0		n/a	n/a	n/a
14.2l Access used at first outpatient dialysis (% of 14.2k; sums to 100%)								
Arteriovenous fistula	.	.	.	.		7.0	8.2	6.9
Arteriovenous graft	.	.	.	.		0.0	0.0	0.9
Catheter	.	.	.	.		91.5	91.8	91.4
Other/Unknown/Missing	.	.	.	.		1.4	0.0	0.7
14.2m Arteriovenous fistulae placed (% of 14.2k)	.	.	.	.		8.5	10.2	13.2
14.2s Pre-ESRD nephrologist care (% of 14.2a; sums to 100%)								
No	33.3	50.0	0.0	88.9		23.3	24.7	20.9
Yes, < 6 months	33.3	0.0	75.0	11.1		16.4	11.0	17.1
Yes, 6-12 months	33.3	50.0	0.0	0.0		19.0	16.4	18.1
Yes, > 12 months	0.0	0.0	25.0	0.0		27.6	28.8	37.8
Unknown	0.0	0.0	0.0	0.0		13.8	19.2	6.1
14.2t Informed of transplant options (% of 14.2a)	100	100	100	100		82.8	79.5	86.2
Death Rates								
14.3a Patients (n=number)	13	11	4	14		n/a	n/a	n/a
14.3b Patient years (PY) at risk (n)	7.2	4.6	2.7	7.3		n/a	n/a	n/a
14.3c Deaths (n)	0	1	0	0		n/a	n/a	n/a
Days Hospitalized Statistics								
14.4a Medicare dialysis patients (n)	2	5	2	2		n/a	n/a	n/a
14.4b Patient years (PY) at risk (n)	2.0	1.2	1.7	1.4		n/a	n/a	n/a
14.4c Total days hospitalized (n)	13	49	129	0		n/a	n/a	n/a
Admission Statistics								
14.4i Total admissions (n)	4	2	6	0		n/a	n/a	n/a
Transplantation								
14.5d Eligible patients (n)	10	8	4	13		n/a	n/a	n/a
14.5e Patient years (PY) at risk (n)	4.8	3.4	2.7	7.1		n/a	n/a	n/a
14.5f First transplants (n) [*5]	1	2	1	1		n/a	n/a	n/a
Waitlist								
14.6a Eligible patients on 12/31 (n)	7	4	6	15		n/a	n/a	n/a
14.6b Patients on the waitlist (% of 14.6a)	71.4	0.0	33.3	20.0		55.3	49.0	41.1
14.6c P-value (compared to U.S. value) [*6]	0.058	0.147	0.534	0.076		n/a	n/a	n/a
14.6d Patients on the waitlist by age (%)								
Age < 10	0.0	.	33.3	9.1		56.1	50.0	42.0
Age 10-17	100	.	33.3	50.0		64.2	59.7	50.4

(continued)

TABLE 14 (cont.): Selected Measures for Dialysis Patients under Age 18 [*1] ,2012-2015

Measure Name	2012	2013	2014	2015	-	State [*2]	Network [*2]	U.S. [*2]
Hemoglobin								
14.8a Eligible patients (n) [*7]	7	9	5	14		n/a	n/a	n/a
14.8b Eligible patient-months (n) [*8]	43	43	29	85		n/a	n/a	n/a
14.8c Average hemoglobin [*8] (g/dL) (average of 14.8b)	11.6	11.8	11.7	10.4		11.1	11.0	10.8
14.8d Hemoglobin categories (% of 14.8b; sums to 100%)								
< 10 g/dL	9.3	7.0	6.9	37.6		15.8	18.0	22.2
10-<11 g/dL	23.3	20.9	13.8	25.9		21.5	22.5	22.8
11-12 g/dL	32.6	32.6	37.9	15.3		21.0	21.4	24.1
> 12 g/dL	30.2	39.5	31.0	17.6		22.0	20.7	17.1
Missing/Out of Range	4.7	0.0	10.3	3.5		19.6	17.4	13.9
Kt/V [*11]								
14.9.g Eligible hemodialysis (HD) patients (n) [*10]	0	0	0	0		n/a	n/a	n/a
14.9.h Eligible HD patient-months (n) [*8] [*10]	.	.	.	.		n/a	n/a	n/a
14.9.j HD: Kt/V >= 1.2 (% of 149.r)	.	.	.	.		82.4	79.8	88.9
14.9.k Eligible peritoneal dialysis (PD) patients (n) [*11]	6	9	5	14		n/a	n/a	n/a
14.9.l Eligible PD patient-months (n) [*8] [*11]	16	43	29	85		n/a	n/a	n/a
14.9.n PD: Kt/V >= 1.8 (% of 149.v)	75.0	76.7	86.2	67.1		29.5	30.5	56.1

n/a = not applicable
[*1] See *Guide, Section XVII* corresponding to the parent table in the DFR.
[*2] Values are shown for the average facility, annualized.
[*3] Sum of all 4 years (all patients) used for calculations; should not be compared to regional averages.
[*4] 'Asian' includes Indian sub-continent. 'Native American' includes Alaskan Native. 'White' includes Middle Eastern and Arabian.
[*5] Other modality includes other dialysis, uncertain modality, and patients not on dialysis but still temporarily assigned to the facility (discontinued dialysis, recovered renal function, and lost to follow-up).
[*6] Among first transplants that occurred after the start of dialysis from 2012-2015, 3.8% of transplants in the U.S. were not included because the transplant occurred fewer than 90 days after the start of ESRD and 1.1% were not included because the patient was not assigned to a facility at time of transplant.
[*7] Facility waitlist percentage is compared to the U.S. waitlist percentage among pediatric patients for that year: 35.5% (2012), 38.0% (2013), 40.5% (2014), 41.1% (2015). A p-value greater than or equal to 0.05 indicates that the difference between percent of patients waitlisted at the facility and national percentage is plausibly due to random chance.
[*8] Includes patients who switch between HD and PD during the year and patients for whom modality is unknown.
[*9] Patients may be counted up to 12 times per year.
[*10] Based on in-range values; see Guide for range values.
[*11] Based on the value code D5: result of last Kt/V (K-dialyzer clearance of urea; t-dialysis time; V-patient's total body water). Values calculated based only on Kt/V values reported in range.