

# Dialysis Facility Report for Fiscal Year (FY) 2018

## Purpose of the Report

The *Dialysis Facility Report (DFR) for FY 2018* 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 2018 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-second in a series of annual reports. This is one of 7,063 reports that have been distributed to ESRD providers in the U.S.

## **This DFR includes data specific to CCN(s): 502511**

**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 2013 and December 2016. 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 2018*. The *Guide* may be downloaded from the methodology section of the Dialysis Data website at [www.DialysisData.org](http://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 following changes have been incorporated into the DFR for FY 2018: Liver disease as a cause of death has been added to Table 3; Tables 9 and 14 now include serum albumin summaries from CROWNWeb and Table 10 reports the percentage of patients with hypercalcemia as defined by an average uncorrected serum or plasma calcium value greater than 10.2 mg/dL.

## How to Submit Comments

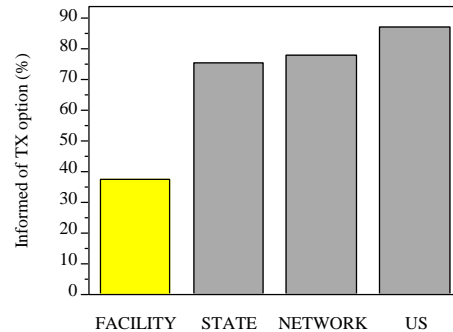
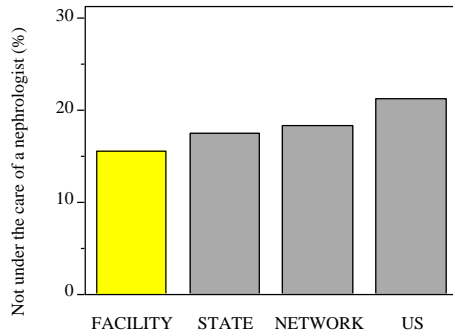
**Between August 28, 2017 and September 01, 2017**, facilities may submit comments to their state surveyor or UM-KECC by visiting [www.DialysisData.org](http://www.DialysisData.org), logging on to view their report, and clicking on the **Comments & Inquiries** tab. Questions or comments after the comment period is over may be submitted to us directly at [DialysisData@umich.edu](mailto: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 2017.
- (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):

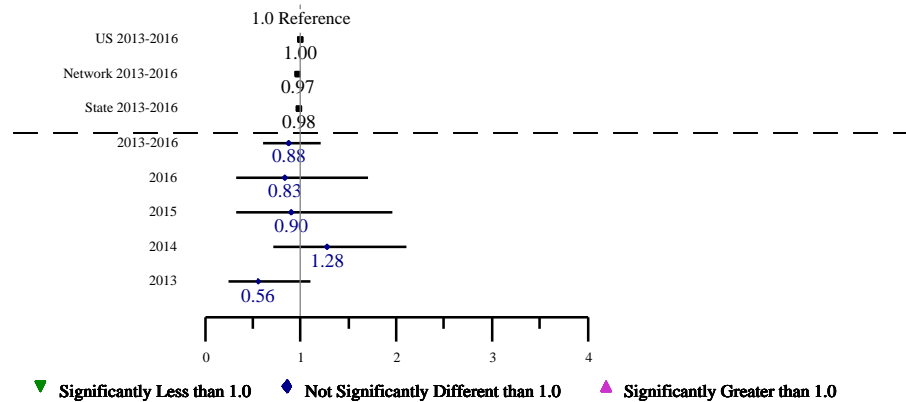
- Among the 32 incident patients with Medical Evidence Forms (CMS-2728) indicating treatment at this facility during 2016:
- 16% of these patients were not under the care of a nephrologist before starting dialysis, compared to 18% in your State, 18% in your Network, and 21% nationally.
- 38% of these patients were informed of their transplant options, compared to 76% in your State, 78% in your Network, and 87% nationally.
- Among the patients treated at this facility on December 31, 2016, 13% were treated in a nursing home during the year, compared to 15% nationally.



### Standardized Mortality Ratio (SMR) (Table 3):

- At this facility, the 2013-2016 SMR is 0.88, which is 12% fewer deaths than expected at this facility. Among all U.S. facilities, 33% of facilities had a four-year SMR lower than 0.88. This difference is not statistically significant ( $p \geq 0.05$ ), so this lower mortality could plausibly be just a chance occurrence. The 2013-2016 SMR of observed to expected deaths is 0.98 and 0.97 for your State and Network, respectively.

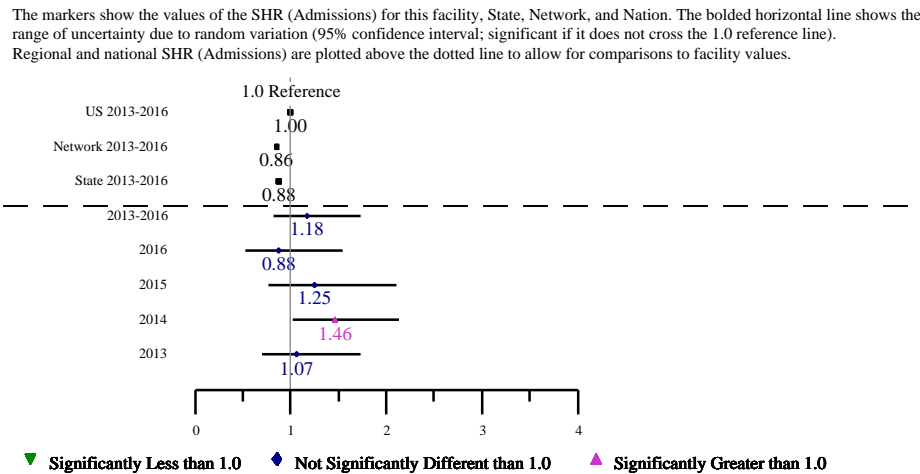
The markers show the values of the SMR for this facility, State, Network, and Nation. The bolded horizontal line shows the range of uncertainty due to random variation (95% confidence interval; significant if it does not cross the 1.0 reference line). Regional and national SMR are plotted above the dotted line to allow for comparisons to facility values.



- At this facility, the 2013-2015 first-year SMR of observed to expected deaths is 0.70, which is 30% fewer deaths than expected at this facility. Among all U.S. facilities, 28% of facilities had a first-year SMR lower than 0.70. This difference is not statistically significant ( $p \geq 0.05$ ), so this lower mortality could plausibly be just a chance occurrence. The first-year SMR (2013-2015) of observed to expected deaths is 0.87 and 0.88 for your State and Network, respectively.

*Hospitalizations and Readmissions (Table 4):*

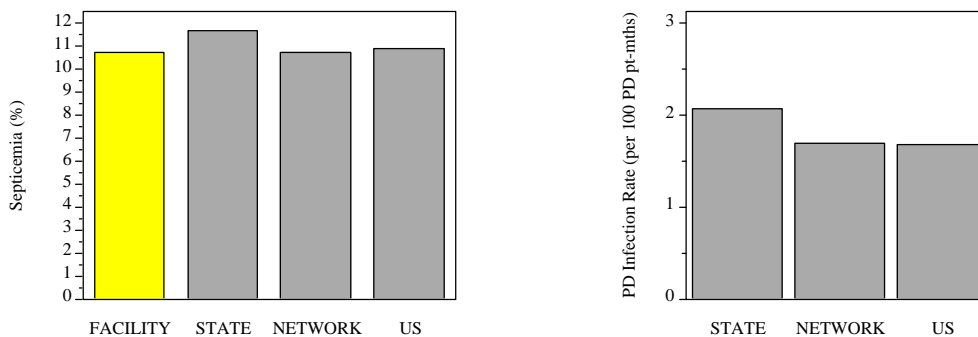
- The 2013-2016 SHR (Admissions) at this facility is 1.18, which is 18% more admissions hospitalized than expected. This difference is not statistically significant ( $p \geq 0.05$ ), so this higher hospitalization could plausibly be just a chance occurrence. The 2013-2016 SHR (Admissions) for your State and Network is 0.88 and 0.86, respectively.



- The 2016 SRR at this facility is 1.48, which is 48% more readmissions than expected. This difference is statistically significant ( $p < 0.05$ ), so the higher number of readmissions is unlikely to be due to random chance and probably represents a real difference from the expected number of readmissions in the Nation. The 2016 SRR for your State and Network is 0.94 and 0.90, respectively.

*Infection (Tables 4 and 11):*

- The percentage of Medicare dialysis patients at this facility hospitalized with septicemia during 2013-2016 is 10.7%, compared to 11.7% in your State, 10.8% in your Network, and 10.9% nationally.
- The rate of PD catheter-related infection is unavailable. The rates of PD catheter-related infection are 2.1, 1.7, and 1.7 for your State, Network and U.S., respectively.



*Transplantation (Table 5):*

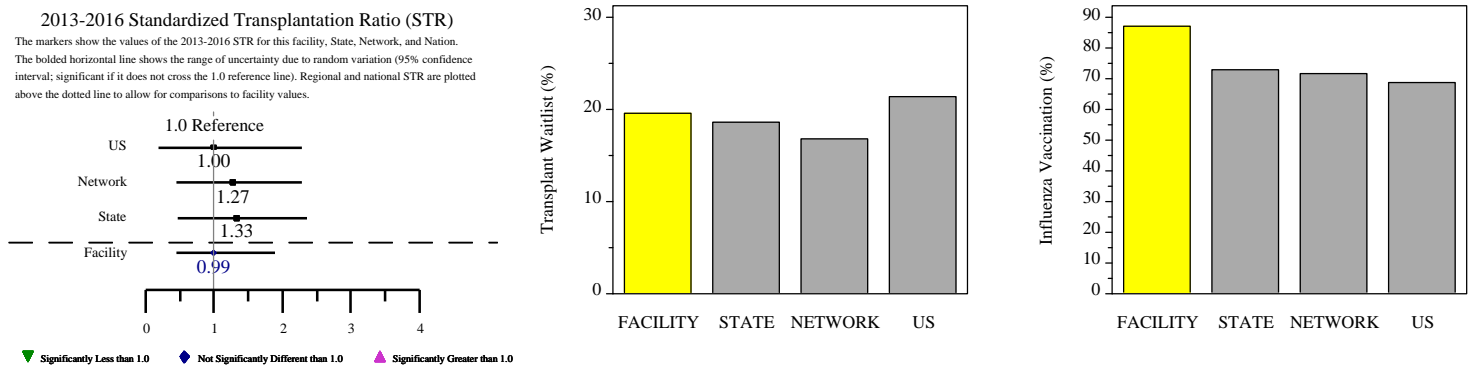
- Of the patients under age 70 treated at this facility during 2013-2016 who had not previously received a transplant, 4% were transplanted annually, while a rate of 4% would be expected for these patients.
- The 2013-2016 Standardized 1<sup>st</sup> Transplantation Ratio (STR) of observed to expected number of patients transplanted for this facility is 0.99, which is 1% lower than expected for this facility. This difference is not statistically significant ( $p \geq 0.05$ ) and is plausibly due to random chance. The 2013-2016 STR for your State and Network is 1.33 and 1.27, respectively.

**Transplant Waitlist (Table 6):**

- Among the 61 dialysis patients under age 70 treated at this facility on December 31, 2016, 20% were on the kidney transplant waitlist, compared to 21% nationally. This difference is not statistically significant ( $p \geq 0.05$ ) and is plausibly due to random chance. The percentage of patients on the kidney transplant waitlist on December 31, 2016, in your State and Network is 19% and 17%, respectively.

**Influenza Vaccination (Table 7):**

- Among the 47 Medicare dialysis patients treated at this facility on December 31, 2016, 87% were vaccinated between August 1 and December 31, 2016 compared to 69% nationally. This difference is statistically significant ( $p < 0.05$ ) and is unlikely to be due to random chance. The percentage of patients vaccinated in your State, Network, and US is 73%, 72%, and 69%, respectively.

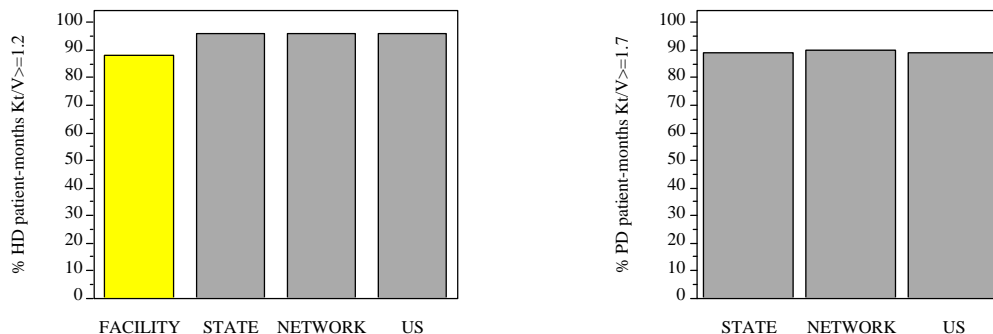


**Anemia Management (Table 8):**

- Among the 41 HD patients in this facility included in the analysis in 2016, 7% had a hemoglobin value below 10 g/dL, compared to 12% in your State, 12% in your Network, and 17% nationally.
- There were no PD patients at this facility with hemoglobin (below 10 g/dL) included in the analysis in 2016.

**Dialysis Adequacy (Table 9):**

- In 2016, 88% of eligible HD patient-months had a Kt/V  $\geq 1.2$  reported in Medicare dialysis claims, compared to 96% in your State, 96% in your Network, and 96% nationally.
- In 2016, the percent of eligible PD patient-months that had a Kt/V  $\geq 1.7$  reported in Medicare dialysis claims is unavailable. The percent of patients with Kt/V  $\geq 1.7$  in your State, Network, and US is 89%, 90%, and 89% respectively.

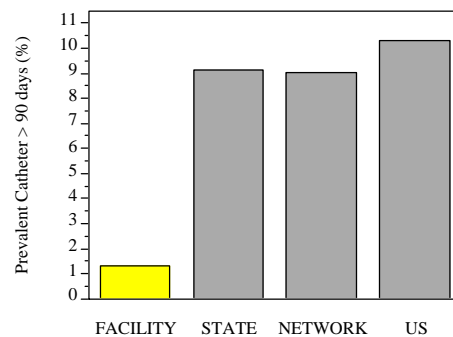
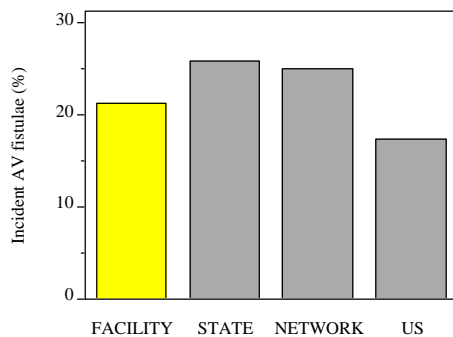


*Mineral Metabolism (Table 10):*

- In 2016, 23% of eligible patient-months had a serum phosphorus value >7.0 mg/dL, compared to 15% in your State, 14% in your Network, and 12% nationally.
- In 2016, 1% of eligible patient-months had calcium uncorrected value >10.2 mg/dL, compared to 1% in your State, 2% in your Network, and 2% nationally.

*Vascular Access (Table 11):*

- At this facility in 2016, an average of 21% of incident patients had arteriovenous (AV) fistulae in place, compared to 26% in your State, 25% in your Network, and 17% nationally.
- Of the prevalent patients receiving hemodialysis treatment at this facility in 2016, 1% had a catheter which had been in place for at least 90 days as their only vascular access, compared to 9% in your State, 9% in your Network, and 10% nationally.



**TABLE 1: Summaries for All Dialysis Patients Treated as of December 31<sup>st</sup> of Each Year<sup>\*1</sup>, 2013-2016**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
1a	Patients treated on 12/31 (n)	89	84	1	71	71.8	62.7	66.3
1b	Average age (years)	59.0	57.7	57.0	58.0	61.5	61.5	61.9
1c	Age (% of 1a; sums to 100%)							
	< 18	0.0	0.0	0.0	0.0	0.4	0.3	0.3
	18-64	60.7	66.7	100	63.4	54.0	53.6	53.8
	65+	39.3	33.3	0.0	36.6	45.6	46.0	46.0
1d	Female (% of 1a)	39.3	39.3	0.0	31.0	43.3	42.5	43.2
1e	Race (% of 1a; sums to 100%) <sup>*3</sup>							
	African American	44.9	44.0	0.0	42.3	12.0	8.5	35.1
	Asian/Pacific Islander	24.7	22.6	0.0	22.5	14.7	10.7	5.9
	Native American	1.1	1.2	0.0	0.0	1.6	3.0	1.2
	White	29.2	32.1	100	35.2	71.1	77.3	57.4
	Other/Unknown/Missing	0.0	0.0	0.0	0.0	0.6	0.5	0.4
1f	Ethnicity (% of 1a; sums to 100%)							
	Hispanic	11.2	15.5	0.0	15.5	12.3	12.3	18.5
	Non-Hispanic	87.6	83.3	0.0	83.1	87.1	87.2	81.2
	Unknown	1.1	1.2	100	1.4	0.6	0.5	0.4
1g	Primary Cause of ESRD (% of 1a; sums to 100%)							
	Diabetes	28.1	28.6	0.0	32.4	45.8	44.7	45.5
	Hypertension	27.0	25.0	0.0	28.2	17.8	17.9	29.5
	Glomerulonephritis	15.7	21.4	100	18.3	16.0	16.6	10.8
	Other/Unknown	29.2	25.0	0.0	21.1	19.7	20.1	13.2
	Missing	0.0	0.0	0.0	0.0	0.7	0.7	1.0
1h	Average duration of ESRD (years)	4.7	5.0	21.0	5.8	5.0	4.9	4.9
1i	Years since start of ESRD (% of 1a; sums to 100%)							
	< 1	16.9	14.3	0.0	19.7	17.0	16.6	15.8
	1-2	19.1	17.9	0.0	14.1	17.5	17.5	17.2
	2-3	16.9	17.9	0.0	8.5	14.4	14.7	13.7
	3-6	25.8	23.8	0.0	28.2	25.7	25.6	26.0
	6+	21.3	26.2	100	29.6	25.5	25.6	27.3
1j	Nursing home patients (% of 1a) <sup>*4</sup>	9.0	8.3	0.0	12.7	13.6	13.2	14.8
1k	Modality (% of 1a; sums to 100%)							
	In-center hemodialysis	100	98.8	100	97.2	85.0	83.3	87.6
	Home hemodialysis	0.0	0.0	0.0	1.4	2.6	2.3	1.7
	Continuous ambulatory peritoneal dialysis	0.0	0.0	0.0	0.0	1.5	2.1	1.6
	Continuous cycling peritoneal dialysis	0.0	1.2	0.0	0.0	10.1	11.6	8.5
	Other modality <sup>*5</sup>	0.0	0.0	0.0	1.4	0.8	0.7	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<sup>\*1</sup>, 2013-2016 (Form CMS-2728)**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
<b>Patient Characteristics</b>								
2a	Total number of patients with forms (n)	32	22	9	32	18.9	17.0	17.3
2b	Average age (years [0-95])	60.2	54.7	55.0	55.8	62.1	62.9	63.6
2c	Female (% of 2a)	34.4	40.9	55.6	28.1	40.8	40.9	42.6
2d	Race (% of 2a; sums to 100%) <sup>*4</sup>							
	African-American	34.4	50.0	22.2	31.3	9.2	6.3	25.9
	Asian/Pacific Islander	15.6	13.6	33.3	25.0	14.1	9.5	5.5
	Native American	3.1	0.0	0.0	0.0	1.6	3.5	0.9
	White	46.9	36.4	44.4	43.8	74.3	80.1	67.4
	Other/Unknown	0.0	0.0	0.0	0.0	0.8	0.6	0.3
2e	Hispanic (% of 2a)	9.4	4.5	11.1	6.3	9.4	9.0	14.8
2f	Primary cause of ESRD (% of 2a; sums to 100%)							
	Diabetes	31.3	31.8	44.4	37.5	50.4	49.4	48.9
	Hypertension	28.1	13.6	11.1	21.9	17.6	17.7	29.2
	Primary glomerulonephritis	18.8	31.8	11.1	6.3	12.1	12.6	7.3
	Other/Unknown	21.9	22.7	33.3	34.4	20.0	20.2	14.6
2g	Medical coverage (% of 2a; sums to 100%)							
	Employer group only	6.3	9.1	11.1	25.0	14.3	13.3	12.4
	Medicare only	40.6	13.6	22.2	12.5	25.3	29.2	32.9
	Medicaid only	15.6	22.7	11.1	6.3	13.5	11.7	12.6
	Medicare and Medicaid only	9.4	4.5	0.0	15.6	13.7	12.4	12.9
	Medicare and other	3.1	13.6	33.3	9.4	20.1	20.9	17.5
	Other/Unknown	9.4	31.8	22.2	28.1	11.5	10.5	7.7
	None	15.6	4.5	0.0	3.1	1.6	2.0	3.9
2h	Median body mass index <sup>*5</sup> (Median; Weight/Height^2)							
	Male	24.2	26.0	21.3	25.3	28.4	28.7	28.0
	Female	23.2	25.3	28.5	22.5	29.0	29.2	29.1
2i	Employment <sup>*6</sup>							
	Six months prior to ESRD treatment	18.8	30.8	75.0	47.1	36.9	37.7	33.2
	At first ESRD treatment	12.5	7.7	50.0	35.3	27.9	27.6	23.5
2j	Primary modality (% of 2a; sums to 100%)							
	Hemodialysis	100	100	100	100	89.2	86.7	89.8
	CAPD/CCPD	0.0	0.0	0.0	0.0	10.8	13.3	10.2
	Other/Unknown	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2k	Number of incident hemodialysis patients (n)	32	22	9	32	16.9	14.7	15.5
2l	Access used at first outpatient dialysis (% of 2k; sums to 100%)							
	Arteriovenous fistula	28.1	27.3	33.3	21.9	25.9	24.6	16.6
	Arteriovenous graft	6.3	4.5	11.1	6.3	3.6	3.7	3.0
	Catheter	65.6	68.2	55.6	71.9	70.3	71.5	80.2
	Other/Unknown/Missing	0.0	0.0	0.0	0.0	0.2	0.1	0.2
2m	Arteriovenous fistula placed (% of 2k)	62.5	40.9	55.6	28.1	43.6	41.2	33.0

(continued)

**TABLE 2 (cont.): Characteristics of New Dialysis Patients<sup>\*1</sup>, 2013-2016 (Form CMS-2728)**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
<b>Average Lab Values Prior to Dialysis<sup>*3</sup></b>								
2n	Hemoglobin (g/dL [3-18])	8.9	8.8	9.3	8.2	9.3	9.5	9.3
2o	Serum albumin (g/dL [0.8-6.0])	3.6	3.9	.	.	3.2	3.2	3.2
2p	Serum creatinine (mg/dL [0-33])	7.7	8.5	7.7	10.0	6.7	6.3	6.4
2q	GFR (mL/min [0-30])	9.1	8.5	8.7	7.2	10.0	10.5	10.7
<b>Care Prior to ESRD Therapy</b>								
2r	Received ESA prior to ESRD (% of 2a)	37.5	27.3	22.2	25.0	20.6	18.9	13.2
2s	Pre-ESRD nephrologist care (% of 2a; sums to 100%) <sup>*7</sup>							
	No	28.1	27.3	22.2	15.6	17.5	18.3	21.3
	Yes, < 6 months	15.6	18.2	22.2	31.3	15.3	15.4	13.7
	Yes, 6-12 months	12.5	22.7	0.0	12.5	17.3	18.6	19.5
	Yes, > 12 months	43.8	27.3	55.6	40.6	43.5	41.7	30.8
	Unknown/Missing	0.0	4.5	0.0	0.0	6.4	6.0	14.7
2t	Informed of transplant options (% of 2a)	56.3	50.0	77.8	37.5	75.5	78.2	87.2
2u	Patients not informed of transplant options (n)	14	11	2	20	4.6	3.7	2.2
2v	Reason not informed (% of 2u; may not sum to 100%)							
	Medically unfit	35.7	27.3	50.0	30.0	40.1	45.9	36.2
	Unsuitable due to age	0.0	0.0	0.0	0.0	7.1	12.4	24.1
	Psychologically unfit	7.1	9.1	0.0	5.0	4.1	3.7	3.0
	Patient declined information	7.1	0.0	0.0	0.0	1.5	1.1	2.0
	Patient has not been assessed	57.1	27.3	50.0	60.0	42.6	40.9	38.8
<b>Comorbid Conditions</b>								
2w	Pre-existing comorbidity (% yes of 2a) <sup>*7</sup>							
	Congestive heart failure	21.9	36.4	22.2	9.4	27.2	27.6	28.9
	Atherosclerotic heart disease <sup>*8</sup>	15.6	18.2	33.3	0.0	13.6	16.8	13.8
	Other cardiac disorder <sup>*8</sup>	21.9	27.3	11.1	3.1	17.6	17.3	19.9
	CVD, CVA, TIA	6.3	4.5	11.1	6.3	8.3	8.2	8.7
	Peripheral vascular disease	12.5	4.5	11.1	6.3	11.0	11.4	10.0
	History of hypertension	84.4	86.4	77.8	78.1	84.7	85.5	87.8
	Diabetes <sup>*8</sup>	43.8	36.4	66.7	50.0	60.8	59.9	63.4
	Diabetes on insulin	34.4	31.8	22.2	21.9	43.2	41.8	42.3
	COPD	9.4	9.1	11.1	6.3	7.5	8.1	9.6
	Current smoker	15.6	22.7	0.0	9.4	6.9	7.3	6.5
	Cancer	9.4	4.5	0.0	9.4	8.4	7.6	7.0
	Alcohol dependence	0.0	4.5	0.0	0.0	1.6	1.7	1.5
	Drug dependence	12.5	18.2	0.0	18.8	3.3	2.3	1.3
	Inability to ambulate	3.1	0.0	0.0	0.0	3.5	3.6	7.0
	Inability to transfer	0.0	0.0	0.0	3.1	1.1	1.3	3.9
2x	Average number of comorbid conditions	2.9	3.0	2.7	2.2	3.0	3.0	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 (0.02% in US in 2016).

[\*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 (2013-16) & New Dialysis Patients (2013-15) <sup>\*1</sup>**

Measure Name	This Facility					Regional Averages <sup>*2</sup>		
	2013	2014	2015	2016	2013-2016	State	Network	U.S.
<b>All Patients: Death Counts</b>						<b>2013-2016</b>		
3a Patients (n=number)	132	129	96	97	454 <sup>*8</sup>	95.1	81.8	95.2
3b Patient-years (PY) at risk (n)	94.5	86.9	46.3	62.9	290.6 <sup>*8</sup>	67.0	57.7	63.9
3c Deaths (n)	8	15	6	7	36 <sup>*8</sup>	11.8	10.2	11.1
3d Expected deaths (n)	14.3	11.7	6.7	8.4	41.1 <sup>*8</sup>	12.0	10.6	11.1
3e Withdrawal from dialysis prior to death (% of 3c)	12.5	40.0	16.7	14.3	25.0	39.6	41.0	24.9
3f Death due to Infections (% of 3c)	25.0	13.3	0.0	0.0	11.1	13.8	13.0	11.1
Death due to Cardiac causes (% of 3c)	12.5	46.7	83.3	42.9	44.4	39.6	40.6	44.5
Death due to Liver disease (% of 3c)	0.0	0.0	0.0	0.0	0.0	1.5	1.9	1.7
3g Dialysis unrelated deaths <sup>*3</sup> (n; excluded from SMR)	0	1	1	0	2 <sup>*8</sup>	0.1	0.1	0.1
<b>All Patients: Standardized Mortality Ratio (SMR)</b>								
3h SMR <sup>*4</sup>	0.56	1.28	0.90	0.83	0.88	0.98	0.97	1.00
3i P-value <sup>*5</sup>	0.109	0.410	0.998	0.790	0.480	n/a	n/a	n/a
3j Confidence interval for SMR <sup>*6</sup>								
High (97.5% limit)	1.11	2.11	1.96	1.71	1.21	n/a	n/a	n/a
Low (2.5% limit)	0.24	0.71	0.33	0.33	0.61	n/a	n/a	n/a
3k SMR percentiles for this facility <sup>*7</sup>								
In this State	14	78	46	35	31	n/a	n/a	n/a
In this Network	14	76	48	38	38	n/a	n/a	n/a
In the U.S.	13	78	42	35	33	n/a	n/a	n/a
<b>New Patients: First Year Death Counts</b>						<b>2013-2015</b>		
3l New patients (n=number)	32	22	9		63 <sup>*8</sup>	18.0	16.0	17.0
3m Patient-years (PY) at risk (n)	29.1	21.1	8.2		58.4 <sup>*8</sup>	16.1	14.2	14.9
3n Deaths (n)	6	1	0		7 <sup>*8</sup>	3.1	2.8	3.3
3o Expected deaths (n)	5.7	3.5	0.9		10.1 <sup>*8</sup>	3.6	3.2	3.3
3p Withdrawal from dialysis prior to death (% of 3n)	50.0	100	.		57.1	43.6	44.1	26.8
3q Death due to Infections (% of 3n)	50.0	0.0	0.0		42.9	13.0	12.0	10.1
Death due to Cardiac causes (% of 3n)	50.0	.	0.0		42.9	33.8	35.1	39.6
Death due to Liver disease (% of 3n)	0.0	.	.		0.0	2.8	3.8	2.8
<b>New Patients: First Year Standardized Mortality Ratio (SMR)</b>								
3r SMR <sup>*4</sup>	1.06	0.29	.		0.70	0.87	0.88	1.00
3s P-value <sup>*5</sup>	0.996	0.279	.		0.428	n/a	n/a	n/a
3t Confidence interval for SMR <sup>*6</sup>								
High (97.5% limit)	2.31	1.61	.		1.43	n/a	n/a	n/a
Low (2.5% limit)	0.39	0.01	.		0.28	n/a	n/a	n/a
3u First Year SMR percentiles for this facility <sup>*7</sup>								
In this State	67	18	.		33	n/a	n/a	n/a
In this Network	69	19	.		35	n/a	n/a	n/a
In the U.S.	57	17	.		28	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 <sup>\*1</sup>, 2013-2016**

Measure Name		This Facility					Regional Averages <sup>*2</sup> , per Year, 2013-2016		
		2013	2014	2015	2016	2013-2016	State	Network	U.S.
Medicare Dialysis Patients									
4a	Medicare dialysis patients (n)	107	100	73	65	345 <sup>*3</sup>	74.5	63.2	73.4
4b	Patient-years (PY) at risk (n)	74.3	64.1	31.9	40.8	211.0 <sup>*3</sup>	49.1	41.0	44.6
Days Hospitalized Statistics									
4c	Total days hospitalized (n)	795	1,028	554	460	2,837 <sup>*3</sup>	494.5	395.8	592.5
4d	Expected total days hospitalized (n)	1,020.0	806.2	409.1	499.2	2,734.5 <sup>*3</sup>	653.5	541.2	594.8
4e	Standardized Hospitalization Ratio (Days) <sup>*4</sup>	0.78	1.28	1.35	0.92	1.04	0.76	0.73	1.00
4f	P-value <sup>*5</sup>	0.552	0.241	0.220	0.954	0.723	n/a	n/a	n/a
4g	Confidence interval for SHR (Days) <sup>*6</sup>								
	High (97.5% limit)	1.59	2.16	2.57	1.92	1.76	n/a	n/a	n/a
	Low (2.5% limit)	0.42	0.82	0.80	0.50	0.68	n/a	n/a	n/a
4h	Percentiles for this facility (Days) <sup>*7</sup>								
	In this State	59	95	94	81	91	n/a	n/a	n/a
	In this Network	67	96	96	82	93	n/a	n/a	n/a
	In the U.S.	33	82	85	50	63	n/a	n/a	n/a
Admission Statistics									
4i	Total admissions (n)	154	170	72	64	460 <sup>*3</sup>	78.9	63.7	80.9
4j	Expected total admissions (n)	144.3	116.3	57.8	72.7	391.0 <sup>*3</sup>	89.7	74.5	81.0
4k	Standardized Hospitalization Ratio (Admissions) <sup>*4</sup>	1.07	1.46	1.25	0.88	1.18	0.88	0.86	1.00
4l	P-value <sup>*5</sup>	0.680	0.037	0.357	0.699	0.343	n/a	n/a	n/a
4m	Confidence interval for SHR (Admissions) <sup>*6</sup>								
	High (97.5% limit)	1.74	2.14	2.11	1.55	1.74	n/a	n/a	n/a
	Low (2.5% limit)	0.70	1.02	0.76	0.52	0.82	n/a	n/a	n/a
4n	Percentiles for this facility (admissions) <sup>*7</sup>								
	In this State	81	97	91	54	93	n/a	n/a	n/a
	In this Network	81	96	91	61	92	n/a	n/a	n/a
	In the U.S.	64	91	80	38	77	n/a	n/a	n/a
4o	Diagnoses associated with hospitalization (% of 4a) <sup>*8</sup>								
	Septicemia	9.3	11.0	12.3	10.8	10.7	11.7	10.8	10.9
	Acute myocardial infarction	2.8	7.0	1.4	3.1	3.8	4.6	4.5	4.2
	Congestive heart failure	16.8	25.0	16.4	24.6	20.6	23.1	21.6	23.2
	Cardiac dysrhythmia	18.7	22.0	17.8	10.8	18.0	16.0	14.7	14.8
	Cardiac arrest	0.0	5.0	4.1	0.0	2.3	2.0	1.9	2.1
4p	One day admissions (% of 4i)	20.8	13.5	13.9	12.5	15.9	13.2	12.5	10.7
4q	Average length of stay (days per admission; 4c/4i)	5.2	6.0	7.7	7.2	6.2	6.3	6.2	7.3

(continued)

**TABLE 4 (cont.): Hospitalization Summary for Medicare Dialysis Patients<sup>\*1</sup>, 2013-2016**

Measure Name		This Facility					Regional Averages <sup>*2</sup> , per Year, 2013-2016		
		2013	2014	2015	2016	2013-2016	State	Network	U.S.
<b>Emergency Department (ED) Statistics</b>									
4r	Total ED visits (n)	295	292	132	117	836 <sup>*3</sup>	148.0	120.9	138.6
4s	Expected total ED visits (n)	242.3	208.6	105.9	133.4	690.2 <sup>*3</sup>	153.8	128.3	139.2
4t	Standardized Hospitalization Ratio (ED) <sup>*4</sup>	1.22	1.40	1.25	0.88	1.21	0.96	0.94	1.00
4u	P-value <sup>*5</sup>	0.229	0.044	0.317	0.601	0.217	n/a	n/a	n/a
4v	Confidence interval for SHR (ED) <sup>*6</sup>								
	High (97.5% limit)	1.85	1.96	1.93	1.41	1.68	n/a	n/a	n/a
	Low (2.5% limit)	0.86	1.01	0.81	0.55	0.89	n/a	n/a	n/a
4w	Percentiles for this facility (ED) <sup>*7</sup>								
	In this State	87	92	89	34	92	n/a	n/a	n/a
	In this Network	86	93	88	41	89	n/a	n/a	n/a
	In the U.S.	81	91	83	36	83	n/a	n/a	n/a
4x	Patients with ED visit (% of 4a)	64.5	72.0	52.1	63.1	63.8	63.5	62.6	61.0
4y	ED visits that result in hospitalization (% of 4r)	41.0	47.3	46.2	39.3	43.8	41.4	39.4	47.3
4z	Admissions that originate in the ED (% of 4i)	78.6	81.2	84.7	71.9	79.6	77.7	74.8	81.1
<b>Readmission Statistics</b>								<b>2016</b>	
4aa	Index discharges (n)	129	138	51	79		76.0	61.6	77.6
4ab	Total readmissions (n)	39	56	20	31		18.0	14.1	20.0
4ac	Expected total readmissions (n)	37	39	16	21		20.9	17.0	20.5
4ad	Standardized Readmission Ratio (SRR)	1.06	1.44	1.25	1.48		0.9	0.9	1.0
4ae	P-value <sup>*5</sup>	0.814	0.021	0.380	0.036		n/a	n/a	n/a
4af	Confidence interval for SRR <sup>*6</sup>								
	High (97.5% limit)	1.37	1.76	1.75	1.90		n/a	n/a	n/a
	Low (2.5% limit)	0.79	1.13	0.80	1.09		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 a 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<sup>\*1</sup>, 2013-2016**

Measure Name	This Facility					Regional Averages <sup>*2</sup> , per Year, 2013-2016		
	2013	2014	2015	2016	2013-2016	State	Network	U.S.
<b>All Patients</b>								
5a Eligible patients (n)	99	98	76	76	349 <sup>*10</sup>	66.0	56.6	65.2
5b Transplants (n)	4	3	2	1	10 <sup>*10</sup>	2.7	2.2	2.0
5c Donor type (sums to 5b) <sup>*3</sup>								
Living donor (n)	1	1	0	0	2 <sup>*10</sup>	0.6	0.6	0.5
Deceased donor (n)	3	2	2	1	8 <sup>*10</sup>	2.1	1.7	1.5
<b>Patients who have not Previously Received a Transplant</b>								
5d Eligible patients (n)	96	91	70	70	327 <sup>*10</sup>	59.8	51.2	59.6
5e Patient years (PY) at risk (n)	66.9	61.7	33.7	45.3	207.7 <sup>*10</sup>	41.9	36.2	40.6
5f First transplants <sup>*4</sup> (n)	4	2	2	1	9 <sup>*10</sup>	2.4	1.9	1.7
5g Expected first transplants (n)	2.9	2.6	1.5	2.1	9.0 <sup>*10</sup>	1.8	1.5	1.7
<b>Standardized 1st Transplantation Ratio (STR)<sup>*5</sup></b>								
5h STR <sup>*6</sup>					0.99	1.33	1.27	1.00
5i P-value <sup>*7</sup>					0.999	n/a	n/a	n/a
5j Confidence interval for STR <sup>*8</sup>								
High (97.5% limit)					1.89	n/a	n/a	n/a
Low (2.5% limit)					0.45	n/a	n/a	n/a
5k STR percentiles for this facility <sup>*9</sup>								
In this State					35	n/a	n/a	n/a
In this Network					43	n/a	n/a	n/a
In the U.S.					54	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 2013-2016, 3.7% 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 is calculated as a 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 31<sup>st</sup> of Each Year<sup>\*1</sup>, 2013-2016**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
		<b>2016</b>						
6a	Eligible patients on 12/31 (n)	73	69	48	61	51.8	44.9	47.4
6b	Patients on the waitlist (% of 6a)	24.7	26.1	20.8	19.7	18.6	16.8	21.4
6c	P-value <sup>*3</sup> (compared to U.S. value)	0.525	0.387	0.464	0.445	n/a	n/a	n/a
6d	Patients on the waitlist by subgroup (%) <sup>*4</sup>							
	Age < 40	10.0	27.3	33.3	38.5	30.6	25.8	31.1
	Age 40-69	27.0	25.9	17.9	14.6	16.7	15.4	20.1
	Male	23.9	22.7	26.7	22.2	18.9	17.1	22.5
	Female	25.9	32.0	11.1	12.5	18.2	16.4	19.7
	African American	23.7	21.2	30.0	24.0	19.4	17.7	19.9
	Asian/Pacific Islander	45.5	54.5	33.3	30.8	23.1	23.9	31.9
	Native American	0.0	0.0	.	.	9.4	10.4	14.4
	White, Hispanic	20.0	16.7	0.0	0.0	18.7	16.4	24.0
	White, non-Hispanic	16.7	22.2	6.7	11.1	17.4	15.8	20.2
	Other/unknown race	.	.	.	.	24.2	21.2	22.7
	Diabetes	38.1	33.3	18.8	4.5	13.8	11.9	17.2
	Non-diabetes	19.2	23.5	21.9	28.2	22.7	21.0	24.8
	Previous kidney transplant	60.0	80.0	66.7	60.0	34.3	28.9	37.0
	No previous kidney transplant	22.1	21.9	17.8	16.1	16.9	15.6	20.0
	< 2 years since start of ESRD	10.0	15.4	20.0	12.5	14.1	13.2	14.9
	2-4 years since start of ESRD	40.0	38.5	29.4	35.3	24.2	22.4	26.4
	5+ years since start of ESRD	27.8	23.5	12.5	15.0	18.3	15.3	23.5

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: 24.4% (2013), 24.0% (2014), 22.6% (2015), 21.4% (2016). A p-value greater than 0.05 indicates that the difference between percent of patients waitlisted 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 31<sup>st</sup> of Each Year<sup>\*1</sup>, Flu Seasons August 2013-December 2016**

Measure Name	This Facility				Regional Averages <sup>*2</sup>		
	2013	2014	2015	2016	State	Network	U.S.
<b>2016</b>							
7a Eligible patients on 12/31 (n)	72	60	41	47	52.0	43.8	46.0
7b Patients vaccinated between Aug. 1 and Dec. 31 (% of 7a)	81.9	76.7	85.4	87.2	73.2	72.0	68.9
7c P-value <sup>*3</sup> (for 7b compared to U.S. value <sup>*4</sup> )	0.030	0.377	0.052	<0.01	n/a	n/a	n/a
<b>2015</b>							
7d Patients vaccinated between Aug 1 and Mar 31 of following year (% of 7a)	81.9	76.7	85.4		77.6	76.7	73.8
7e P-value <sup>*3</sup> (for 7d compared to U.S. value <sup>*5</sup> )	0.042	0.408	0.060		n/a	n/a	n/a
<b>2016</b>							
7f Patients vaccinated between Aug 1 and Dec 31 by subgroup (%) <sup>*6</sup>							
Age < 18	.	.	.	.	70.6	75.0	56.3
Age 18-39	66.7	50.0	80.0	77.8	68.8	68.6	64.9
Age 40-64	88.9	80.6	75.0	95.0	72.2	71.3	68.4
Age 65-74	78.9	75.0	94.1	85.7	72.3	70.8	69.3
Age 75+	72.7	100	100	75.0	77.3	75.8	70.6
Male	84.8	77.8	83.3	90.3	72.9	71.4	68.8
Female	76.9	75.0	88.2	81.3	73.5	72.7	69.0
African American	84.8	77.8	94.1	88.9	71.7	68.9	66.4
Asian/Pacific Islander	89.5	100	83.3	85.7	77.8	76.4	72.2
Native American	100	100	.	.	69.1	64.9	76.7
White	68.4	61.9	77.8	86.4	72.6	71.9	70.0
Other/unknown race	.	.	.	.	69.2	80.4	65.5
Hispanic	85.7	77.8	100	100	78.1	77.5	70.5
< 1 year since start of ESRD	63.6	62.5	100	75.0	62.5	60.6	56.5
1-2 years since start of ESRD	87.5	73.7	84.6	81.8	72.3	71.7	68.2
3+ years since start of ESRD	83.8	81.8	83.3	92.9	76.6	75.3	72.4

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): 71.6% (2013), 73.9% (2014), 73.3% (2015), 68.9% (2016).

[\*5] Compared to the U.S. value for that year and time period (8/1-3/31): 72.4% (2013), 74.4% (2014), 73.8% (2015).

[\*6] A missing value indicates that there were no eligible patients in the subgroup.

**TABLE 8: Anemia Management Summaries for Adult Dialysis Patients<sup>\*1</sup>, 2013-2016**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
<b>Hemoglobin and ESA-CROWNWeb</b>								
8a	Eligible adult patients (n) <sup>*3</sup>	123	118	91	95	91.8	81.2	86.0
8b	Eligible adult patient-months (n) <sup>*4</sup>	1,060	976	406	759	796.3	704.6	755.9
8c	Average hemoglobin <sup>*5</sup> (g/dL) (average of 8b)	10.9	10.7	10.9	11.0	10.9	10.9	10.8
8d	Hemoglobin categories (% of 8b; sums to 100%)							
	<10 g/dL	23.4	23.2	17.2	15.5	19.1	18.1	20.8
	10-<11 g/dL	30.0	33.8	30.5	30.4	34.1	33.0	33.5
	11-12 g/dL	26.1	26.5	34.5	38.2	31.7	31.6	29.1
	>12 g/dL	16.0	12.3	11.8	11.9	12.6	14.9	12.5
	Missing/Out of range	4.4	4.2	5.9	4.0	2.4	2.4	4.0
8e	ESA prescribed (% of 8b)	94.2	93.5	94.1	93.1	79.1	73.5	72.4
<b>Standardized Transfusion Ratio (STrR)</b>								
8f	Eligible adult Medicare patients (n)	92	86	64	58	65.5	56.9	59.3
8g	Patient years (PY) at risk (n)	55	50	26	34	40.0	34.3	35.7
8h	Total transfusions (n)	7	14	3	12	10.3	9.1	13.7
8i	Expected total transfusions (n)	26.7	21.5	10.3	13.5	15.6	13.3	14.0
8j	Standardized Transfusion Ratio <sup>*6</sup>	0.26	0.65	0.29	0.89	0.66	0.69	1.00
	Upper Confidence Limit (97.5%)	1.06	1.72	2.30	2.46	n/a	n/a	n/a
	Lower Confidence Limit (2.5%)	0.08	0.28	0.05	0.36	n/a	n/a	n/a
8k	P-value <sup>*7</sup>	0.061	0.427	0.268	0.907	n/a	n/a	n/a
<b>Hemoglobin-Medicare Claims<sup>*8</sup></b>								
8l	Eligible adult hemodialysis (HD) patients (n)	71	62	45	41	42.2	33.9	37.7
8m	Hemoglobin categories among HD pts (% of 8l; sums to 100%)							
	< 10 g/dL	9.9	12.9	13.3	7.3	12.3	11.9	16.6
	10-<11 g/dL	77.5	79.0	66.7	61.0	65.4	65.4	64.3
	11-12 g/dL	12.7	8.1	20.0	31.7	21.9	22.3	18.8
	> 12 g/dL	0.0	0.0	0.0	0.0	0.4	0.4	0.3
8n	Eligible adult peritoneal dialysis (PD) patients (n)	0	0	0	0	4.7	4.1	3.2
8o	Hemoglobin categories among PD pts (% of 8n; sums to 100%)							
	< 10 g/dL	.	.	.	.	18.3	22.0	26.7
	10-<11 g/dL	.	.	.	.	63.2	60.9	56.5
	11-12 g/dL	.	.	.	.	17.6	16.1	16.1
	> 12 g/dL	.	.	.	.	0.9	1.0	0.7

n/a = not applicable

[\*1] See *Guide, Section XI*. Transfusion and claims-based summaries include adult Medicare Dialysis Patients only.

[\*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 than 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 more than 90 days and 4 or more claims at this facility.

**TABLE 9: Dialysis Adequacy Summaries for All Dialysis Patients<sup>\*1</sup>, 2013-2016**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
<b>Hemodialysis (HD) Adequacy</b>								
9a	Eligible adult HD patients (n)	123	118	91	95	81.0	70.7	79.0
9b	Eligible adult HD patient-months (n) <sup>*3</sup>	1,060	976	406	759	701.1	612.3	692.2
9c	Average serum albumin (g/dL) (average of 9b)	4.0	4.0	4.0	4.0	3.8	3.8	3.8
9d	Serum albumin categories (% of 9b; sums to 100%)							
	< 3.0 g/dL	1.0	1.2	1.0	1.4	3.0	2.9	3.5
	3.0-3.5 g/dL	5.2	2.9	5.2	2.6	11.9	12.7	13.8
	3.5-4.0 g/dL	31.3	31.4	33.0	37.5	45.5	46.9	46.8
	>=4.0 g/dL	58.0	60.0	55.2	54.2	35.3	34.1	31.3
	Missing	4.4	4.5	5.7	4.2	4.3	3.4	4.6
9e	Ultrafiltration rate average <sup>*4</sup> (ml/kg/hr) (average of 9b)	7.6	5.8	5.7	5.3	6.9	7.2	7.9
9f	Ultrafiltration rate categories (% of 9b; sums to 100%)							
	<=13 ml/kg/hr	83.2	86.8	87.4	90.0	86.4	85.2	80.5
	>13 ml/kg/hr	9.2	4.0	3.2	1.2	6.2	7.4	10.1
	Missing/Out of range	7.5	9.2	9.4	8.8	7.4	7.3	9.3
9g	Eligible adult HD Kt/V patients (n) <sup>*5 *6</sup>	116	112	90	87	75.6	65.8	76.0
9h	Eligible adult HD Kt/V patient-months (n) <sup>*3 *5 *6</sup>	1,017	946	387	712	646.2	564.3	662.5
9i	Average Kt/V <sup>*4</sup> (average of 9h)	1.7	1.7	1.7	1.6	1.7	1.7	1.6
9j	Kt/V categories (% of 9h; sums to 100%)							
	<1.2	4.5	5.0	5.4	4.8	2.1	2.0	2.1
	1.2-1.8	61.2	62.7	60.7	67.4	64.4	66.1	70.7
	>=1.8	32.2	29.3	31.3	26.3	31.7	30.2	24.5
	Missing/Out of range	2.2	3.1	2.6	1.5	1.8	1.7	2.7
<b>Peritoneal Dialysis (PD) Adequacy</b>								
9k	Eligible adult PD patients (n) <sup>*5</sup>	0	0	0	0	18.7	21.4	20.5
9l	Eligible adult PD patient-months (n) <sup>*3 *5</sup>	0	0	0	0	141.9	162.3	163.9
9m	Average weekly Kt/V <sup>*4 *6</sup> (average of 9l)	.	.	.	.	2.3	2.3	2.3
9n	Weekly Kt/V categories (% of 9l; sums to 100%) <sup>*6</sup>							
	<1.7	.	.	.	.	4.6	5.0	5.6
	1.7-2.5	.	.	.	.	64.8	64.0	63.3
	>=2.5	.	.	.	.	25.6	27.1	25.2
	Missing/Out of range	.	.	.	.	5.1	3.9	5.9
9o	Average serum albumin (g/dL) (average of 9l)	.	.	.	.	3.5	3.5	3.5
9p	Serum albumin categories (% of 9l; sums to 100%)							
	< 3.0 g/dL	.	.	.	.	10.1	10.4	11.1
	3.0-3.5 g/dL	.	.	.	.	28.5	29.4	30.7
	3.5-4.0 g/dL	.	.	.	.	41.5	41.1	39.5
	>=4.0 g/dL	.	.	.	.	15.3	15.1	12.7
	Missing	.	.	.	.	4.6	4.0	6.0

(continued)



**TABLE 9: Dialysis Adequacy Summaries for All Dialysis Patients<sup>\*1</sup>, 2013-2016**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
<b>Adult Kt/V--Medicare Claims<sup>*6 *7</sup></b>								
9q	Eligible adult hemodialysis (HD) patients (n)	133	127	103	127	73.1	61.7	63.5
9r	Eligible adult HD patient-months (n) <sup>*3</sup>	849	748	377	562	506.2	423.0	457.9
9s	Kt/V categories among adult HD patients (% of 9r; sums to 100%)							
	<1.2	4.6	4.3	3.7	5.0	2.0	2.1	2.2
	1.2-<1.4	6.4	9.9	9.0	11.7	12.2	12.7	16.9
	1.4-<1.6	24.4	25.3	18.0	29.7	26.2	27.8	30.8
	1.6-<1.8	28.3	23.7	23.1	22.8	26.9	27.4	25.7
	>= 1.8	31.4	29.0	28.9	24.0	30.7	28.0	22.6
	Missing/Out of range/Not performed/Expired	4.9	7.9	17.2	6.8	2.1	2.0	1.7
9t	Adult HD: Kt/V >=1.2 (% of 9r) <sup>*4</sup>	90.5	87.8	79.0	88.3	96.0	95.9	96.1
9u	Eligible adult peritoneal dialysis (PD) patients (n)	0	0	0	0	8.4	8.3	6.0
9v	Eligible adult PD patient-months (n) <sup>*3</sup>	0	0	0	0	62.4	61.7	45.9
9w	Kt/V categories among adult PD patients (% of 9v; sums to 100%)							
	<1.7	.	.	.	.	5.4	5.7	6.7
	1.7-<1.9	.	.	.	.	18.1	16.1	20.0
	1.9-<2.2	.	.	.	.	30.6	30.4	29.0
	2.2-<2.5	.	.	.	.	18.7	20.3	17.5
	>=2.5	.	.	.	.	21.8	23.2	22.6
	Missing/Out of range/Not performed/Expired	.	.	.	.	5.4	4.2	4.2
9x	Adult PD: Kt/V >=1.7 (% of 9v) <sup>*4</sup>	.	.	.	.	89.2	90.0	89.1

n/a = not applicable.

[\*1] See *Guide, Section XII*. Unless otherwise noted, all summaries are based on data reported in CROWNWeb and the patient must be on HD (or PD) for the entire reporting month to be included in patient counts and summaries.

[\*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] Kt/V summaries are supplemented with Medicare claims if missing in CROWNWeb.

[\*6] HD Kt/V summaries are restricted to patients who dialyze thrice weekly. See section of Guide titled "*Determination of Thrice Weekly Dialysis*" for more information. The PD summaries use the most recent value over a 4-month look-back period. The PD Adequacy section uses the most recent value over a 4-month look-back period.

[\*7] Kt/V: K = dialyzer clearance of urea; t = dialysis time; V = patient's total body water. Includes Medicare patients who had one eligible dialysis claim submitted by the facility during the year. Based on the value code D5: Result of last Kt/V.

**TABLE 10: Mineral Metabolism Summaries for All Adult Dialysis Patients<sup>\*1</sup>, 2013-2016**

Measure Name	This Facility				Regional Averages <sup>*2</sup> , 2016		
	2013	2014	2015	2016	State	Network	U.S.
10a Eligible adult patients (n) <sup>*3</sup>	123	118	91	95	91.8	81.2	86.0
10b Eligible adult patient-months (n) <sup>*3 *4</sup>	1,060	976	406	759	796.3	704.6	755.9
10c Average phosphorous <sup>*5</sup> (mg/dL) (average of 10b <sup>*6</sup> )	5.3	5.8	5.8	5.9	5.5	5.4	5.3
10d Phosphorous categories (% of 10b <sup>*6</sup> ; sums to 100%)							
<3.5 mg/dL	12.6	7.0	5.7	6.7	7.6	7.8	8.6
3.5-4.5 mg/dL	23.8	18.4	16.2	15.5	23.0	24.0	24.9
4.6-5.5 mg/dL	22.3	22.4	23.8	24.0	28.1	28.9	29.5
5.6-7.0 mg/dL	22.2	27.2	27.9	26.0	22.9	22.4	20.5
>7.0 mg/dL	14.7	20.3	20.7	23.2	15.4	14.1	12.1
Missing/Out of range	4.4	4.6	5.7	4.6	2.9	2.9	4.5
10e Average calcium uncorrected <sup>*5</sup> (mg/dL) (average of 10b)	9.2	9.1	9.2	9.3	9.0	9.0	8.9
10f Calcium uncorrected categories (% of 10b; sums to 100%)							
<8.4 mg/dL	12.5	13.5	10.3	8.8	14.9	15.1	17.3
8.4-10.2 mg/dL	76.0	77.2	81.3	86.4	79.2	79.6	76.5
>10.2 mg/dL	7.0	4.9	2.7	0.5	1.4	1.6	1.5
Missing/Out of range	4.4	4.4	5.7	4.2	4.5	3.6	4.8
10g Average uncorrected serum or plasma calcium > 10.2 mg/dL <sup>*5 *7</sup>	5.8	2.9	1.5	0.1	1.0	1.0	0.8

[\*1] See *Guide, Section XIII*. Summaries are based on data reported in CROWNWeb and the patient must be assigned to the facility the entire month to be included.

[\*2] Values are shown for the average facility.

[\*3] Includes patients on ESRD more than 90 days 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] Eligible patients included in the phosphorous summaries differ slightly from what is reported in 10b; includes patient-months within the first 90 days of ESRD and excludes those indicating home hemodialysis received anytime during the month.

[\*7] Hypercalcemia is averaged from uncorrected serum or plasma calcium values over a rolling 3-month period.

**TABLE 11: Vascular Access Information for All Dialysis Patients and Access-Related Infection Summaries for All Medicare Patients<sup>\*1</sup>, 2013-2016**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
<b>Vascular Access</b>								
11a	Prevalent adult hemodialysis patient-months <sup>*3</sup> (n)	1,120	1,038	420	832	741.8	647.1	731.0
11b	Vascular access type in use (% of 11a; sums to 100%)							
	Arteriovenous fistula	60.5	59.5	64.5	65.9	70.8	69.0	61.7
	Arteriovenous graft	22.0	24.3	18.6	20.3	11.9	13.3	17.4
	Catheter	13.6	13.4	12.9	10.2	15.3	15.5	16.9
	Other/Missing	3.9	2.8	4.0	3.6	2.0	2.2	4.0
11c	Arteriovenous fistulae in place (% of 11a) <sup>*4</sup>	62.1	60.2	65.0	66.5	71.6	70.2	62.9
11d	Catheter only >= 90 days (% of 11a) <sup>*5</sup>	5.4	6.3	7.6	1.3	9.1	9.0	10.3
<b>Vascular Access at First Treatment</b>								
11e	Incident hemodialysis patients (n)	32	22	9	33	17.1	15.2	16.5
11f	Vascular access type in use (% of 11e; sums to 100%)							
	Arteriovenous fistula	21.9	27.3	33.3	21.2	24.6	23.4	15.5
	Arteriovenous graft	12.5	4.5	11.1	6.1	3.8	3.9	3.4
	Catheter	65.6	68.2	55.6	69.7	67.6	68.7	74.0
	Other/Missing	0.0	0.0	0.0	3.0	3.9	4.1	7.1
11g	Arteriovenous fistulae in place (% of 11e) <sup>*4</sup>	21.9	31.8	33.3	21.2	25.9	25.0	17.4
<b>Infection: Peritoneal dialysis (PD)</b>								
11h	Eligible PD patients (n)	1	0	0	0	10.0	10.0	7.3
11i	Eligible PD patient-months <sup>*3</sup>	1	0	0	0	70.6	69.8	52.6
11j	PD catheter infection rate per 100 PD patient-months <sup>*6</sup>	0.00	.	.	.	2.07	1.69	1.69
11k	P-value <sup>*7</sup> of 11h (compared to U.S. value) <sup>*8</sup>	0.969	.	.	.	n/a	n/a	n/a

n/a = not applicable

[\*1] See *Guide, Section XIV*. Vascular Access type is based on data reported in CROWNWeb. For the prevalent summaries (rows 11a-11d), the patient must be assigned to the facility for the entire calendar month to be included. The PD infection summaries are based on Medicare Dialysis claims.

[\*2] Values are shown for the average facility.

[\*3] Patients may be counted up to 12 times per year per facility.

[\*4] Includes all patients with fistulae, regardless of whether or not they received their hemodialysis treatments using their fistulae.

[\*5] 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.

[\*6] The ICD-9 PD catheter infection code for PD patients is 996.68 which is effective thru 9/30/2015 and the ICD-10 PD catheter infection code for PD patients is T8571XA which is effective beginning 10/1/2015.

[\*7] 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.

[\*8] Compared to U.S. value for that year: 3.05 (2013), 2.85 (2014), 2.62 (2015), and 1.69 (2016).

**TABLE 12: Comorbidities Reported on Medicare Claims for Medicare Dialysis Patients Treated as of December 31st of Each Year<sup>\*1</sup>, 2013-2016**

Measure Name		This Facility				Regional Averages <sup>*2</sup> , 2016		
		2013	2014	2015	2016	State	Network	U.S.
		<b>2016</b>						
12a	Medicare dialysis patients on 12/31 (n)	73	62	0	46	53.4	46.3	49.2
12b	Comorbidity (% yes of 12a)							
	<b>Infections</b>							
	AIDS/HIV positive	0.0	0.0	.	4.3	0.6	0.6	1.7
	Dialysis access-related	6.8	3.2	.	4.3	7.5	7.6	9.4
	Hepatitis B	1.4	1.6	.	2.2	1.7	1.3	1.7
	Hepatitis other	16.4	14.5	.	17.4	6.4	5.5	5.6
	Metastatic	2.7	1.6	.	2.2	3.1	3.0	3.0
	Pneumonia	6.8	6.5	.	6.5	6.7	6.0	6.8
	Tuberculosis	0.0	3.2	.	2.2	0.4	0.3	0.4
	Other	31.5	35.5	.	34.8	39.4	39.1	43.8
	<b>Cardiovascular</b>							
	Cardiac arrest	1.4	1.6	.	2.2	1.6	1.4	1.5
	Cardiac dysrhythmia	38.4	30.6	.	37.0	34.1	32.1	33.7
	Cerebrovascular disease	13.7	14.5	.	6.5	12.9	11.8	16.1
	Congestive heart failure	46.6	41.9	.	43.5	47.4	46.3	50.4
	Ischemic heart disease	34.2	35.5	.	39.1	42.9	42.1	48.7
	Myocardial infarction	9.6	6.5	.	6.5	8.6	8.6	9.4
	Peripheral vascular disease <sup>*3</sup>	41.1	32.3	.	34.8	35.2	32.5	37.6
	<b>Other</b>							
	Alcohol dependence	9.6	9.7	.	8.7	2.8	2.8	2.8
	Anemia	5.5	4.8	.	4.3	6.2	6.3	8.7
	Cancer	5.5	6.5	.	13.0	9.6	9.1	9.9
	Chronic obstructive pulmonary disease	19.2	25.8	.	19.6	28.9	28.5	31.7
	Diabetes	42.5	43.5	.	39.1	58.1	57.1	63.3
	Drug dependence	16.4	14.5	.	8.7	5.8	5.6	3.1
	Gastrointestinal tract bleeding	1.4	3.2	.	6.5	4.3	4.0	4.3
	Hyperparathyroidism	100	93.5	.	100	91.0	88.0	86.6
12c	Average number of comorbid conditions	4.5	4.3	.	4.4	4.5	4.4	4.8

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<sup>\*1</sup>, 2016**

Measure Name		This Facility	Regional Averages <sup>*2</sup> , 2016		
		2016	State	Network	U.S.
13a	Organization	NORTHWEST			
13b	Ownership	Non-profit			
13c	Initial Medicare certification date	09/05/1991			
13d	Number of stations	18			
13e	Services provided	Hemodialysis			
13f	Shifts after 5:00 pm	Yes			
13g	Dialyzer Reuse				
13h	CMS Certification Numbers (CCN) included in this report	502511			
13i	National Provider Identifier (NPI) <sup>*3</sup>	1912091497			
<b>Patient Placement</b>					
13j	Patients treated during year from AFS Form-2744 (n)	131	111.2	98.5	104.1
13k	Transferred into facility (% of 13j)	20.6	16.0	15.1	14.7
13l	Transferred out of facility (% of 13j)	29.8	15.4	14.8	14.8
13m	Patients treated on 12/31 (n)	77	77.4	68.0	72.1
13n	Medicare eligibility status (% of 13m; sums to 100% <sup>*4</sup> )				
	Medicare	66.2	81.0	84.3	64.4
	Medicare application pending	0.0	0.5	0.5	0.7
	Non-Medicare	33.8	18.4	15.2	34.9
<b>Survey and Certification</b>					
13o	Date of last survey	05/26/2016	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	1	0.4	0.4	0.3
13s	Number of Standard deficiencies cited	16	8.6	5.8	5.6

n/a = not applicable

[\*1] See *Guide, Section XVI*. Information based on data reported in CROWNWeb as of May, 2017. If missing, data were not available.

[\*2] Values are shown for the average facility.

[\*3] Information based on CROWNWeb data as of March 2017. 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.