

# 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): 502509**

**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

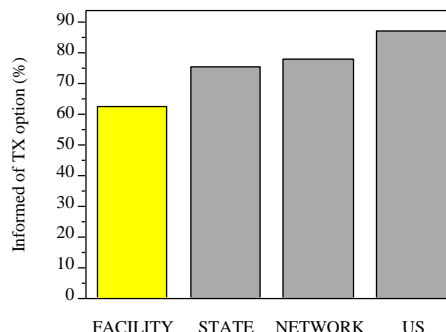
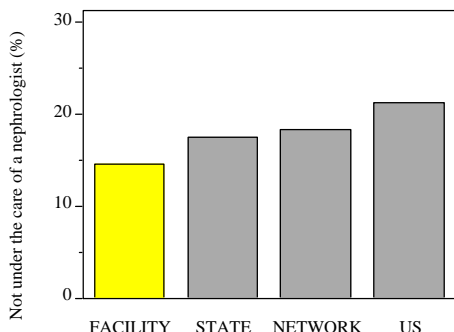
**Between August 28, 2017 and September 01, 2017**, facilities may submit comments to their state surveyor or UM-KECC by visiting [www.DialysisData.org](http://www.DialysisData.org), logging on to view their report, and clicking on the **Comments & Inquiries** tab. Questions or comments after the comment 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

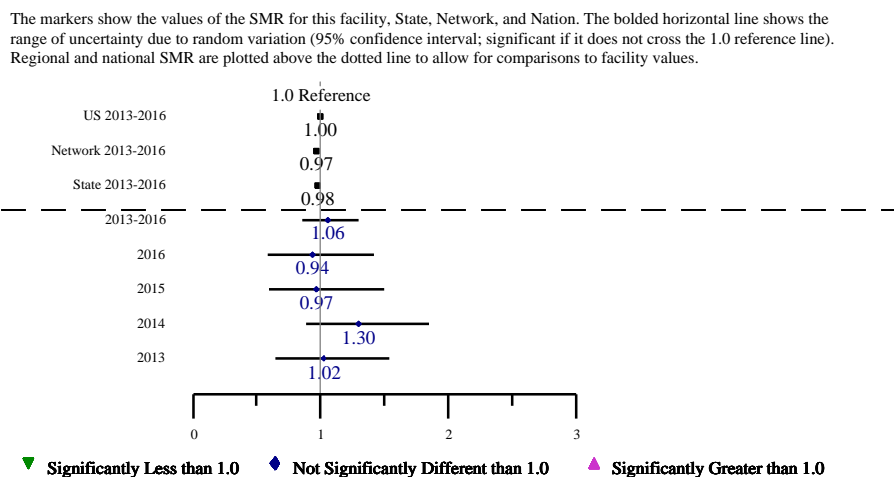
### Patient Characteristics (Tables 1 and 2):

- Among the 48 incident patients with Medical Evidence Forms (CMS-2728) indicating treatment at this facility during 2016:
  - 15% 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.
  - 63% 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 1.06, which is 6% more deaths than expected. Among all U.S. facilities, 63% of facilities had a four-year SMR (2013-2016) lower than 1.06. This difference is not statistically significant ( $p \geq 0.05$ ), so this higher 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.

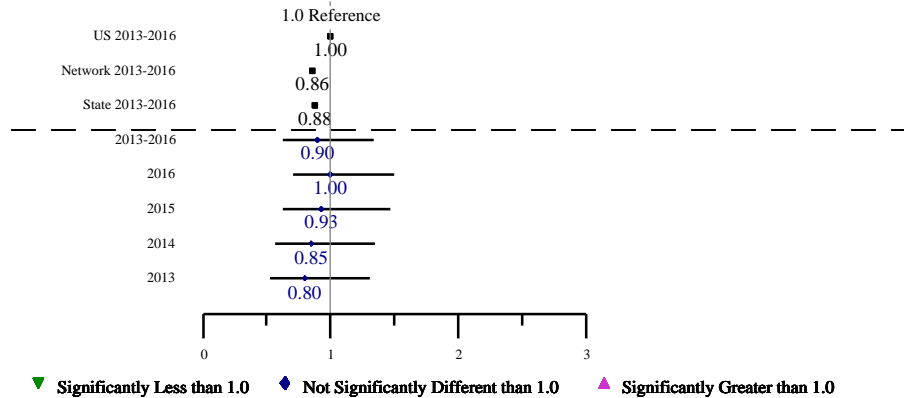


- At this facility, the 2013-2015 first-year SMR of observed to expected deaths is 0.90, which is 10% fewer deaths than expected at this facility. Among all U.S. facilities, 46% of facilities had a first-year SMR lower than 0.90. This difference is not statistically significant ( $p \geq 0.05$ ), so 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 0.90, which is 10% fewer admissions hospitalized than expected. This difference is not statistically significant ( $p \geq 0.05$ ), so this lower 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.

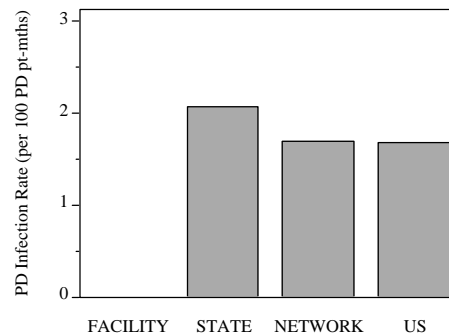
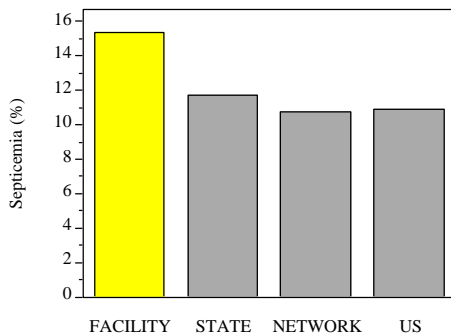
The markers show the values of the SHR (Admissions) for this facility, State, Network, and Nation. The bolded horizontal line shows the range of uncertainty due to random variation (95% confidence interval; significant if it does not cross the 1.0 reference line). Regional and national SHR (Admissions)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



- The 2016 SRR at this facility is 0.93, which is 7% fewer readmissions than expected. This difference is not statistically significant ( $p \geq 0.05$ ), so the lower number of readmissions could plausibly be just a chance occurrence. 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 15.4%, compared to 11.7% in your State, 10.8% in your Network, and 10.9% nationally.
- The rate of PD catheter-related infection was 0.0 per 100 PD patient-months, compared to 2.1 in your State, 1.7 in your Network, and 1.7 nationally.



*Transplantation (Table 5):*

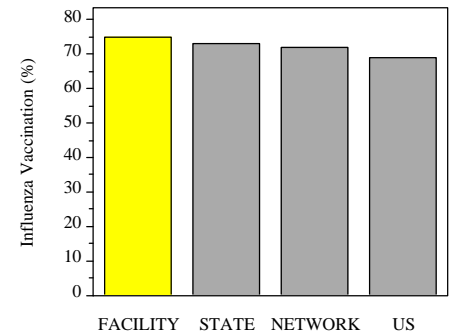
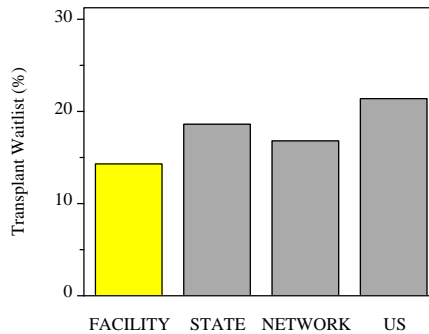
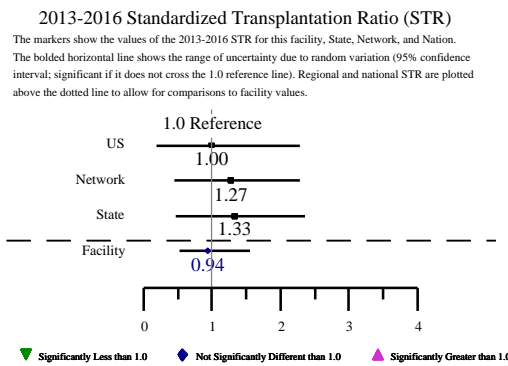
- Of the patients under age 70 treated at this facility during 2013-2016 who had not previously received a transplant, 4% were transplanted annually, while a rate of 4% would be expected for these patients.
- The 2013-2016 Standardized 1<sup>st</sup> Transplantation Ratio (STR) of observed to expected number of patients transplanted for this facility is 0.94, which is 6% 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 126 dialysis patients under age 70 treated at this facility on December 31, 2016, 14% were on the kidney transplant waitlist, compared to 21% 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, 2016, in your State and Network is 19% and 17%, respectively.

**Influenza Vaccination (Table 7):**

- Among the 108 Medicare dialysis patients treated at this facility on December 31, 2016, 75% were vaccinated between August 1 and December 31, 2016 compared to 69% 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 US is 73%, 72%, and 69%, respectively.

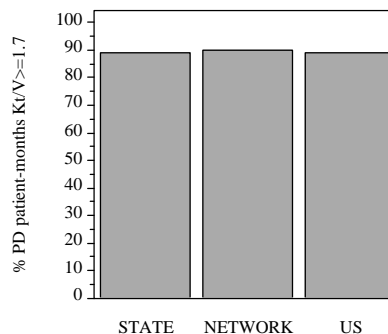
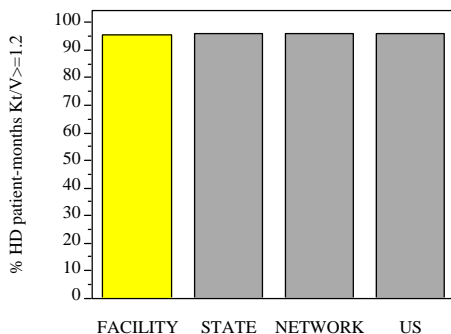


**Anemia Management (Table 8):**

- Among the 104 HD patients in this facility included in the analysis in 2016, 15% 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, 95% 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.

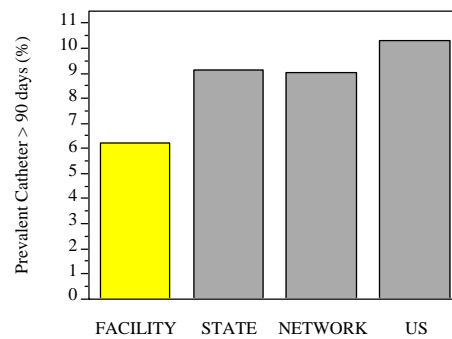
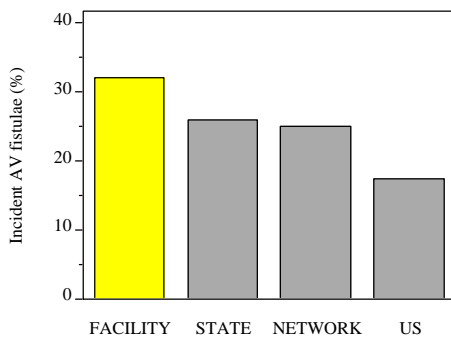


*Mineral Metabolism (Table 10):*

- In 2016, 18% 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 32% 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, 6% 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)	132	129	145	156	71.8	62.7	66.3
1b Average age (years)	59.1	57.4	58.5	58.7	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	62.1	67.4	62.1	64.1	54.0	53.6	53.8
65+	37.9	32.6	37.9	35.9	45.6	46.0	46.0
1d Female (% of 1a)	42.4	41.1	41.4	44.2	43.3	42.5	43.2
1e Race (% of 1a; sums to 100%) <sup>*3</sup>							
African American	25.0	26.4	25.5	23.1	12.0	8.5	35.1
Asian/Pacific Islander	24.2	26.4	31.0	34.6	14.7	10.7	5.9
Native American	2.3	1.6	1.4	1.3	1.6	3.0	1.2
White	48.5	45.7	42.1	40.4	71.1	77.3	57.4
Other/Unknown/Missing	0.0	0.0	0.0	0.6	0.6	0.5	0.4
1f Ethnicity (% of 1a; sums to 100%)							
Hispanic	11.4	10.1	11.7	10.9	12.3	12.3	18.5
Non-Hispanic	88.6	89.9	88.3	87.8	87.1	87.2	81.2
Unknown	0.0	0.0	0.0	1.3	0.6	0.5	0.4
1g Primary Cause of ESRD (% of 1a; sums to 100%)							
Diabetes	47.7	45.0	47.6	46.8	45.8	44.7	45.5
Hypertension	22.0	21.7	20.7	20.5	17.8	17.9	29.5
Glomerulonephritis	18.9	19.4	15.2	16.7	16.0	16.6	10.8
Other/Unknown	11.4	14.0	16.6	14.7	19.7	20.1	13.2
Missing	0.0	0.0	0.0	1.3	0.7	0.7	1.0
1h Average duration of ESRD (years)	4.8	4.7	4.3	4.5	5.0	4.9	4.9
1i Years since start of ESRD (% of 1a; sums to 100%)							
< 1	15.2	15.5	23.4	18.6	17.0	16.6	15.8
1-2	19.7	17.8	12.4	20.5	17.5	17.5	17.2
2-3	16.7	17.1	11.7	9.0	14.4	14.7	13.7
3-6	22.0	24.0	31.0	28.2	25.7	25.6	26.0
6+	26.5	25.6	21.4	23.7	25.5	25.6	27.3
1j Nursing home patients (% of 1a) <sup>*4</sup>	17.4	14.0	12.4	13.5	13.6	13.2	14.8
1k Modality (% of 1a; sums to 100%)							
In-center hemodialysis	99.2	100	96.6	96.2	85.0	83.3	87.6
Home hemodialysis	0.0	0.0	1.4	3.8	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	0.0	1.4	0.0	10.1	11.6	8.5
Other modality <sup>*5</sup>	0.8	0.0	0.7	0.0	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)	31	37	37	48	18.9	17.0	17.3
2b	Average age (years [0-95])	60.1	59.4	62.2	61.8	62.1	62.9	63.6
2c	Female (% of 2a)	41.9	35.1	43.2	43.8	40.8	40.9	42.6
2d	Race (% of 2a; sums to 100%) <sup>*4</sup>							
	African-American	25.8	27.0	13.5	18.8	9.2	6.3	25.9
	Asian/Pacific Islander	25.8	16.2	43.2	35.4	14.1	9.5	5.5
	Native American	0.0	2.7	0.0	0.0	1.6	3.5	0.9
	White	48.4	54.1	43.2	43.8	74.3	80.1	67.4
	Other/Unknown	0.0	0.0	0.0	2.1	0.8	0.6	0.3
2e	Hispanic (% of 2a)	6.5	8.1	10.8	8.3	9.4	9.0	14.8
2f	Primary cause of ESRD (% of 2a; sums to 100%)							
	Diabetes	48.4	54.1	51.4	54.2	50.4	49.4	48.9
	Hypertension	19.4	18.9	13.5	25.0	17.6	17.7	29.2
	Primary glomerulonephritis	16.1	10.8	13.5	10.4	12.1	12.6	7.3
	Other/Unknown	16.1	16.2	21.6	10.4	20.0	20.2	14.6
2g	Medical coverage (% of 2a; sums to 100%)							
	Employer group only	9.7	18.9	8.1	12.5	14.3	13.3	12.4
	Medicare only	35.5	29.7	32.4	8.3	25.3	29.2	32.9
	Medicaid only	16.1	10.8	16.2	14.6	13.5	11.7	12.6
	Medicare and Medicaid only	6.5	16.2	13.5	22.9	13.7	12.4	12.9
	Medicare and other	9.7	8.1	8.1	18.8	20.1	20.9	17.5
	Other/Unknown	16.1	10.8	18.9	14.6	11.5	10.5	7.7
	None	6.5	5.4	2.7	8.3	1.6	2.0	3.9
2h	Median body mass index <sup>*5</sup> (Median; Weight/Height <sup>2</sup> )							
	Male	24.0	26.0	28.4	28.3	28.4	28.7	28.0
	Female	24.6	31.0	28.5	28.6	29.0	29.2	29.1
2i	Employment <sup>*6</sup>							
	Six months prior to ESRD treatment	26.7	35.3	37.5	47.6	36.9	37.7	33.2
	At first ESRD treatment	13.3	23.5	25.0	38.1	27.9	27.6	23.5
2j	Primary modality (% of 2a; sums to 100%)							
	Hemodialysis	100	100	94.6	100	89.2	86.7	89.8
	CAPD/CCPD	0.0	0.0	5.4	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)	31	37	35	48	16.9	14.7	15.5
2l	Access used at first outpatient dialysis (% of 2k; sums to 100%)							
	Arteriovenous fistula	29.0	27.0	31.4	35.4	25.9	24.6	16.6
	Arteriovenous graft	0.0	2.7	2.9	0.0	3.6	3.7	3.0
	Catheter	71.0	70.3	65.7	64.6	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)	61.3	45.9	51.4	52.1	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])	9.7	9.3	9.1	8.9	9.3	9.5	9.3
2o Serum albumin (g/dL [0.8-6.0])	3.7	3.6	.	.	3.2	3.2	3.2
2p Serum creatinine (mg/dL [0-33])	8.7	7.4	8.6	7.9	6.7	6.3	6.4
2q GFR (mL/min [0-30])	7.7	9.8	7.8	8.9	10.0	10.5	10.7
<b>Care Prior to ESRD Therapy</b>							
2r Received ESA prior to ESRD (% of 2a)	38.7	35.1	32.4	20.8	20.6	18.9	13.2
2s Pre-ESRD nephrologist care (% of 2a; sums to 100%) <sup>*7</sup>							
No	19.4	13.5	21.6	14.6	17.5	18.3	21.3
Yes, < 6 months	29.0	40.5	16.2	27.1	15.3	15.4	13.7
Yes, 6-12 months	9.7	13.5	21.6	18.8	17.3	18.6	19.5
Yes, > 12 months	41.9	32.4	35.1	39.6	43.5	41.7	30.8
Unknown/Missing	0.0	0.0	5.4	0.0	6.4	6.0	14.7
2t Informed of transplant options (% of 2a)	41.9	40.5	59.5	62.5	75.5	78.2	87.2
2u Patients not informed of transplant options (n)	18	22	15	18	4.6	3.7	2.2
2v Reason not informed (% of 2u; may not sum to 100%)							
Medically unfit	33.3	36.4	40.0	50.0	40.1	45.9	36.2
Unsuitable due to age	0.0	9.1	13.3	5.6	7.1	12.4	24.1
Psychologically unfit	11.1	4.5	0.0	16.7	4.1	3.7	3.0
Patient declined information	0.0	0.0	0.0	0.0	1.5	1.1	2.0
Patient has not been assessed	55.6	45.5	53.3	27.8	42.6	40.9	38.8
<b>Comorbid Conditions</b>							
2w Pre-existing comorbidity (% yes of 2a) <sup>*7</sup>							
Congestive heart failure	38.7	32.4	35.1	35.4	27.2	27.6	28.9
Atherosclerotic heart disease <sup>*8</sup>	25.8	35.1	18.9	18.8	13.6	16.8	13.8
Other cardiac disorder <sup>*8</sup>	16.1	21.6	8.1	10.4	17.6	17.3	19.9
CVD, CVA, TIA	12.9	21.6	13.5	6.3	8.3	8.2	8.7
Peripheral vascular disease	19.4	13.5	13.5	16.7	11.0	11.4	10.0
History of hypertension	93.5	89.2	78.4	93.8	84.7	85.5	87.8
Diabetes <sup>*8</sup>	67.7	59.5	62.2	58.3	60.8	59.9	63.4
Diabetes on insulin	58.1	43.2	43.2	47.9	43.2	41.8	42.3
COPD	3.2	10.8	5.4	16.7	7.5	8.1	9.6
Current smoker	19.4	5.4	8.1	10.4	6.9	7.3	6.5
Cancer	12.9	8.1	5.4	4.2	8.4	7.6	7.0
Alcohol dependence	0.0	5.4	0.0	0.0	1.6	1.7	1.5
Drug dependence	6.5	5.4	0.0	10.4	3.3	2.3	1.3
Inability to ambulate	0.0	2.7	5.4	4.2	3.5	3.6	7.0
Inability to transfer	0.0	0.0	0.0	0.0	1.1	1.3	3.9
2x Average number of comorbid conditions	3.7	3.5	3.0	3.3	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) \*1**

Measure Name	This Facility					Regional Averages *2		
	2013	2014	2015	2016	2013-2016	State	Network	U.S.
<b>All Patients: Death Counts</b>						<b>2013-2016</b>		
3a Patients (n=number)	175	185	186	207	753 *8	95.1	81.8	95.2
3b Patient-years (PY) at risk (n)	127.2	138.5	132.5	150.0	548.1 *8	67.0	57.7	63.9
3c Deaths (n)	23	31	20	22	96 *8	11.8	10.2	11.1
3d Expected deaths (n)	22.5	23.8	20.6	23.5	90.4 *8	12.0	10.6	11.1
3e Withdrawal from dialysis prior to death (% of 3c)	34.8	35.5	35.0	36.4	35.4	39.6	41.0	24.9
3f Death due to Infections (% of 3c)	17.4	22.6	15.0	31.8	21.9	13.8	13.0	11.1
Death due to Cardiac causes (% of 3c)	65.2	54.8	40.0	77.3	59.4	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 *3 (n; excluded from SMR)	0	0	0	0	0 *8	0.1	0.1	0.1
<b>All Patients: Standardized Mortality Ratio (SMR)</b>								
3h SMR *4	1.02	1.30	0.97	0.94	1.06	0.98	0.97	1.00
3i P-value *5	0.969	0.179	0.999	0.863	0.586	n/a	n/a	n/a
3j Confidence interval for SMR *6								
High (97.5% limit)	1.54	1.85	1.50	1.42	1.30	n/a	n/a	n/a
Low (2.5% limit)	0.65	0.88	0.59	0.59	0.86	n/a	n/a	n/a
3k SMR percentiles for this facility *7								
In this State	61	82	53	51	69	n/a	n/a	n/a
In this Network	66	78	58	52	72	n/a	n/a	n/a
In the U.S.	55	80	50	47	63	n/a	n/a	n/a
<b>New Patients: First Year Death Counts</b>						<b>2013-2015</b>		
3l New patients (n=number)	31	37	37		105 *8	18.0	16.0	17.0
3m Patient-years (PY) at risk (n)	29.3	30.9	36.0		96.2 *8	16.1	14.2	14.9
3n Deaths (n)	5	9	2		16 *8	3.1	2.8	3.3
3o Expected deaths (n)	5.6	5.9	6.1		17.7 *8	3.6	3.2	3.3
3p Withdrawal from dialysis prior to death (% of 3n)	60.0	66.7	50.0		62.5	43.6	44.1	26.8
3q Death due to Infections (% of 3n)	20.0	0.0	0.0		6.3	13.0	12.0	10.1
Death due to Cardiac causes (% of 3n)	80.0	55.6	50.0		62.5	33.8	35.1	39.6
Death due to Liver disease (% of 3n)	0.0	11.1	0.0		6.3	2.8	3.8	2.8
<b>New Patients: First Year Standardized Mortality Ratio (SMR)</b>								
3r SMR *4	0.89	1.52	0.33		0.90	0.87	0.88	1.00
3s P-value *5	0.999	0.292	0.113		0.803	n/a	n/a	n/a
3t Confidence interval for SMR *6								
High (97.5% limit)	2.07	2.88	1.18		1.47	n/a	n/a	n/a
Low (2.5% limit)	0.29	0.69	0.04		0.52	n/a	n/a	n/a
3u First Year SMR percentiles for this facility *7								
In this State	55	83	19		58	n/a	n/a	n/a
In this Network	55	82	24		57	n/a	n/a	n/a
In the U.S.	47	78	18		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 <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>Medicare Dialysis Patients</b>									
4a	Medicare dialysis patients (n)	135	148	140	150	573 <sup>*3</sup>	74.5	63.2	73.4
4b	Patient-years (PY) at risk (n)	96.6	105.3	97.2	106.1	405.2 <sup>*3</sup>	49.1	41.0	44.6
<b>Days Hospitalized Statistics</b>									
4c	Total days hospitalized (n)	1,014	1,193	1,119	1,142	4,468 <sup>*3</sup>	494.5	395.8	592.5
4d	Expected total days hospitalized (n)	1,352.5	1,490.1	1,299.6	1,395.0	5,537.2 <sup>*3</sup>	653.5	541.2	594.8
4e	Standardized Hospitalization Ratio (Days) <sup>*4</sup>	0.75	0.80	0.86	0.82	0.81	0.76	0.73	1.00
4f	P-value <sup>*5</sup>	0.413	0.492	0.716	0.557	0.452	n/a	n/a	n/a
4g	Confidence interval for SHR (Days) <sup>*6</sup>								
	High (97.5% limit)	1.41	1.42	1.61	1.45	1.35	n/a	n/a	n/a
	Low (2.5% limit)	0.43	0.48	0.50	0.50	0.51	n/a	n/a	n/a
4h	Percentiles for this facility (Days) <sup>*7</sup>								
	In this State	55	59	77	67	65	n/a	n/a	n/a
	In this Network	63	63	75	70	68	n/a	n/a	n/a
	In the U.S.	30	36	43	37	32	n/a	n/a	n/a
<b>Admission Statistics</b>									
4i	Total admissions (n)	152	174	167	199	692 <sup>*3</sup>	78.9	63.7	80.9
4j	Expected total admissions (n)	189.6	204.3	179.8	198.9	772.5 <sup>*3</sup>	89.7	74.5	81.0
4k	Standardized Hospitalization Ratio (Admissions) <sup>*4</sup>	0.80	0.85	0.93	1.00	0.90	0.88	0.86	1.00
4l	P-value <sup>*5</sup>	0.417	0.550	0.846	0.871	0.649	n/a	n/a	n/a
4m	Confidence interval for SHR (Admissions) <sup>*6</sup>								
	High (97.5% limit)	1.31	1.35	1.47	1.50	1.33	n/a	n/a	n/a
	Low (2.5% limit)	0.52	0.57	0.62	0.71	0.63	n/a	n/a	n/a
4n	Percentiles for this facility (admissions) <sup>*7</sup>								
	In this State	40	47	69	76	58	n/a	n/a	n/a
	In this Network	45	52	66	78	61	n/a	n/a	n/a
	In the U.S.	27	35	45	55	38	n/a	n/a	n/a
4o	Diagnoses associated with hospitalization (% of 4a) <sup>*8</sup>								
	Septicemia	9.6	18.2	12.9	20.0	15.4	11.7	10.8	10.9
	Acute myocardial infarction	5.2	7.4	4.3	6.0	5.8	4.6	4.5	4.2
	Congestive heart failure	20.7	25.0	25.7	30.7	25.7	23.1	21.6	23.2
	Cardiac dysrhythmia	21.5	21.6	16.4	14.7	18.5	16.0	14.7	14.8
	Cardiac arrest	4.4	2.7	0.7	1.3	2.3	2.0	1.9	2.1
4p	One day admissions (% of 4i)	14.5	16.1	15.6	15.1	15.3	13.2	12.5	10.7
4q	Average length of stay (days per admission; 4c/4i)	6.7	6.9	6.7	5.7	6.5	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)	297	384	346	421	1,448 <sup>*3</sup>	148.0	120.9	138.6
4s	Expected total ED visits (n)	316.6	350.3	320.4	355.7	1,342.9 <sup>*3</sup>	153.8	128.3	139.2
4t	Standardized Hospitalization Ratio (ED) <sup>*4</sup>	0.94	1.10	1.08	1.18	1.08	0.96	0.94	1.00
4u	P-value <sup>*5</sup>	0.888	0.457	0.553	0.228	0.519	n/a	n/a	n/a
4v	Confidence interval for SHR (ED) <sup>*6</sup>								
	High (97.5% limit)	1.42	1.58	1.60	1.68	1.51	n/a	n/a	n/a
	Low (2.5% limit)	0.67	0.81	0.78	0.88	0.81	n/a	n/a	n/a
4w	Percentiles for this facility (ED) <sup>*7</sup>								
	In this State	42	77	71	90	73	n/a	n/a	n/a
	In this Network	49	78	74	85	75	n/a	n/a	n/a
	In the U.S.	45	69	66	78	67	n/a	n/a	n/a
4x	Patients with ED visit (% of 4a)	73.3	70.9	68.6	69.3	70.5	63.5	62.6	61.0
4y	ED visits that result in hospitalization (% of 4r)	40.4	40.4	42.8	41.3	41.2	41.4	39.4	47.3
4z	Admissions that originate in the ED (% of 4i)	78.9	89.1	88.6	87.4	86.3	77.7	74.8	81.1
<b>Readmission Statistics</b>								<b>2016</b>	
4aa	Index discharges (n)	136	165	153	188		76.0	61.6	77.6
4ab	Total readmissions (n)	29	31	38	48		18.0	14.1	20.0
4ac	Expected total readmissions (n)	36	43	43	51		20.9	17.0	20.5
4ad	Standardized Readmission Ratio (SRR)	0.80	0.72	0.89	0.93		0.9	0.9	1.0
4ae	P-value <sup>*5</sup>	0.252	0.095	0.443	0.503		n/a	n/a	n/a
4af	Confidence interval for SRR <sup>*6</sup>								
	High (97.5% limit)	1.18	1.04	1.16	1.17		n/a	n/a	n/a
	Low (2.5% limit)	0.50	0.46	0.66	0.73		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)	124	138	145	161	568 <sup>*10</sup>	66.0	56.6	65.2
5b Transplants (n)	5	2	4	7	18 <sup>*10</sup>	2.7	2.2	2.0
5c Donor type (sums to 5b) <sup>*3</sup>								
Living donor (n)	1	0	1	1	3 <sup>*10</sup>	0.6	0.6	0.5
Deceased donor (n)	4	2	3	6	15 <sup>*10</sup>	2.1	1.7	1.5
<b>Patients who have not Previously Received a Transplant</b>								
5d Eligible patients (n)	109	126	135	150	520 <sup>*10</sup>	59.8	51.2	59.6
5e Patient years (PY) at risk (n)	77.4	93.0	96.8	109.0	376.1 <sup>*10</sup>	41.9	36.2	40.6
5f First transplants <sup>*4</sup> (n)	5	1	3	6	15 <sup>*10</sup>	2.4	1.9	1.7
5g Expected first transplants (n)	3.2	3.8	4.1	4.8	15.9 <sup>*10</sup>	1.8	1.5	1.7
<b>Standardized 1st Transplantation Ratio (STR)<sup>*5</sup></b>								
5h STR <sup>*6</sup>					0.94	1.33	1.27	1.00
5i P-value <sup>*7</sup>					0.950	n/a	n/a	n/a
5j Confidence interval for STR <sup>*8</sup>								
High (97.5% limit)					1.55	n/a	n/a	n/a
Low (2.5% limit)					0.53	n/a	n/a	n/a
5k STR percentiles for this facility <sup>*9</sup>								
In this State					30	n/a	n/a	n/a
In this Network					39	n/a	n/a	n/a
In the U.S.					51	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)	109	108	119	126	51.8	44.9	47.4
6b Patients on the waitlist (% of 6a)	14.7	18.5	24.4	14.3	18.6	16.8	21.4
6c P-value <sup>*3</sup> (compared to U.S. value)	<0.01	0.109	0.357	0.029	n/a	n/a	n/a
6d Patients on the waitlist by subgroup (%) <sup>*4</sup>							
Age < 40	15.4	33.3	40.0	15.4	30.6	25.8	31.1
Age 40-69	14.6	16.1	22.1	14.2	16.7	15.4	20.1
Male	12.5	17.5	29.2	18.4	18.9	17.1	22.5
Female	17.8	20.0	17.0	8.0	18.2	16.4	19.7
African American	24.1	23.3	25.0	16.7	19.4	17.7	19.9
Asian/Pacific Islander	14.3	17.2	28.2	18.0	23.1	23.9	31.9
Native American	0.0	0.0	0.0	0.0	9.4	10.4	14.4
White, Hispanic	36.4	36.4	30.8	16.7	18.7	16.4	24.0
White, non-Hispanic	2.6	10.8	17.6	6.1	17.4	15.8	20.2
Other/unknown race	.	.	.	.	24.2	21.2	22.7
Diabetes	14.0	13.0	21.6	17.5	13.8	11.9	17.2
Non-diabetes	15.3	22.6	26.5	11.6	22.7	21.0	24.8
Previous kidney transplant	16.7	20.0	16.7	28.6	34.3	28.9	37.0
No previous kidney transplant	14.4	18.4	24.8	13.4	16.9	15.6	20.0
< 2 years since start of ESRD	4.7	16.2	19.6	5.9	14.1	13.2	14.9
2-4 years since start of ESRD	28.6	20.0	28.6	30.3	24.2	22.4	26.4
5+ years since start of ESRD	12.9	19.4	25.8	11.9	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)	103	97	106	108	52.0	43.8	46.0
7b Patients vaccinated between Aug. 1 and Dec. 31 (% of 7a)	69.9	77.3	78.3	75.0	73.2	72.0	68.9
7c P-value <sup>*3</sup> (for 7b compared to U.S. value <sup>*4</sup> )	0.388	0.264	0.144	0.101	n/a	n/a	n/a
							<b>2015</b>
7d Patients vaccinated between Aug 1 and Mar 31 of following year (% of 7a)	71.8	77.3	78.3		77.6	76.7	73.8
7e P-value <sup>*3</sup> (for 7d compared to U.S. value <sup>*5</sup> )	0.490	0.298	0.174		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	62.5	81.8	75.0	50.0	68.8	68.6	64.9
Age 40-64	73.5	75.5	74.0	75.9	72.2	71.3	68.4
Age 65-74	61.5	69.6	79.3	74.1	72.3	70.8	69.3
Age 75+	75.0	92.9	89.5	88.2	77.3	75.8	70.6
Male	78.0	82.8	82.1	77.3	72.9	71.4	68.8
Female	59.1	69.2	71.8	71.4	73.5	72.7	69.0
African American	77.8	60.7	79.3	70.0	71.7	68.9	66.4
Asian/Pacific Islander	57.1	88.0	78.1	83.9	77.8	76.4	72.2
Native American	33.3	100	50.0	0.0	69.1	64.9	76.7
White	75.6	81.0	79.1	73.9	72.6	71.9	70.0
Other/unknown race	.	.	.	.	69.2	80.4	65.5
Hispanic	75.0	55.6	77.8	75.0	78.1	77.5	70.5
< 1 year since start of ESRD	93.3	58.3	68.2	60.0	62.5	60.6	56.5
1-2 years since start of ESRD	66.7	85.7	90.5	80.8	72.3	71.7	68.2
3+ years since start of ESRD	65.5	77.2	77.8	76.1	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>	164	175	178	198	91.8	81.2	86.0
8b Eligible adult patient-months (n) <sup>*4</sup>	1,496	1,586	1,531	1,731	796.3	704.6	755.9
8c Average hemoglobin <sup>*5</sup> (g/dL) (average of 8b)	10.7	10.6	10.9	10.9	10.9	10.9	10.8
8d Hemoglobin categories (% of 8b; sums to 100%)							
<10 g/dL	24.8	25.9	19.4	18.5	19.1	18.1	20.8
10-<11 g/dL	32.6	32.3	33.3	29.5	34.1	33.0	33.5
11-12 g/dL	29.7	29.2	34.0	37.0	31.7	31.6	29.1
>12 g/dL	11.8	10.4	11.8	13.5	12.6	14.9	12.5
Missing/Out of range	1.1	2.1	1.5	1.5	2.4	2.4	4.0
8e ESA prescribed (% of 8b)	96.1	93.9	95.8	91.0	79.1	73.5	72.4
<b>Standardized Transfusion Ratio (STrR)</b>							
8f Eligible adult Medicare patients (n)	120	127	121	123	65.5	56.9	59.3
8g Patient years (PY) at risk (n)	69	79	78	82	40.0	34.3	35.7
8h Total transfusions (n)	47	30	11	20	10.3	9.1	13.7
8i Expected total transfusions (n)	34.7	37.3	32.3	31.9	15.6	13.3	14.0
8j Standardized Transfusion Ratio <sup>*6</sup>	1.36	0.80	0.34	0.63	0.66	0.69	1.00
Upper Confidence Limit (97.5%)	2.32	1.56	1.00	1.38	n/a	n/a	n/a
Lower Confidence Limit (2.5%)	0.86	0.45	0.14	0.31	n/a	n/a	n/a
8k P-value <sup>*7</sup>	0.178	0.580	0.051	0.268	n/a	n/a	n/a
<b>Hemoglobin-Medicare Claims <sup>*8</sup></b>							
8l Eligible adult hemodialysis (HD) patients (n)	98	107	95	104	42.2	33.9	37.7
8m Hemoglobin categories among HD pts (% of 8l; sums to 100%)							
< 10 g/dL	11.2	13.1	10.5	15.4	12.3	11.9	16.6
10-<11 g/dL	75.5	73.8	70.5	63.5	65.4	65.4	64.3
11-12 g/dL	13.3	13.1	18.9	19.2	21.9	22.3	18.8
> 12 g/dL	0.0	0.0	0.0	1.9	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)	164	175	177	197	81.0	70.7	79.0
9b Eligible adult HD patient-months (n) <sup>*3</sup>	1,496	1,586	1,530	1,725	701.1	612.3	692.2
9c Average serum albumin (g/dL) (average of 9b)	3.9	4.0	3.9	3.9	3.8	3.8	3.8
9d Serum albumin categories (% of 9b; sums to 100%)							
< 3.0 g/dL	1.0	0.8	1.2	1.9	3.0	2.9	3.5
3.0-<3.5 g/dL	8.0	5.1	7.2	6.0	11.9	12.7	13.8
3.5-<4.0 g/dL	39.0	32.7	37.2	37.2	45.5	46.9	46.8
>=4.0 g/dL	51.0	59.3	52.7	53.6	35.3	34.1	31.3
Missing	1.1	2.2	1.6	1.4	4.3	3.4	4.6
9e Ultrafiltration rate average <sup>*4</sup> (ml/kg/hr) (average of 9b)	6.9	5.4	5.4	5.2	6.9	7.2	7.9
9f Ultrafiltration rate categories (% of 9b; sums to 100%)							
<=13 ml/kg/hr	92.0	92.7	94.1	94.1	86.4	85.2	80.5
>13 ml/kg/hr	4.8	2.3	2.2	1.4	6.2	7.4	10.1
Missing/Out of range	3.1	5.0	3.7	4.4	7.4	7.3	9.3
9g Eligible adult HD Kt/V patients (n) <sup>*5 *6</sup>	157	167	164	184	75.6	65.8	76.0
9h Eligible adult HD Kt/V patient-months (n) <sup>*3 *5 *6</sup>	1,406	1,485	1,452	1,600	646.2	564.3	662.5
9i Average Kt/V <sup>*4</sup> (average of 9h)	1.8	1.7	1.7	1.7	1.7	1.7	1.6
9j Kt/V categories (% of 9h; sums to 100%)							
<1.2	0.4	0.8	1.6	2.3	2.1	2.0	2.1
1.2-<1.8	55.3	57.9	58.1	61.0	64.4	66.1	70.7
>=1.8	43.0	38.9	38.6	35.4	31.7	30.2	24.5
Missing/Out of range	1.3	2.4	1.7	1.3	1.8	1.7	2.7
<b>Peritoneal Dialysis (PD) Adequacy</b>							
9k Eligible adult PD patients (n) <sup>*5</sup>	0	0	1	1	18.7	21.4	20.5
9l Eligible adult PD patient-months (n) <sup>*3 *5</sup>	0	0	1	5	141.9	162.3	163.9
9m Average weekly Kt/V <sup>*4 *6</sup> (average of 9l)	.	.	2.4	2.6	2.3	2.3	2.3
9n Weekly Kt/V categories (% of 9l; sums to 100%) <sup>*6</sup>							
<1.7	.	.	0.0	0.0	4.6	5.0	5.6
1.7-<2.5	.	.	100	20.0	64.8	64.0	63.3
>=2.5	.	.	0.0	80.0	25.6	27.1	25.2
Missing/Out of range	.	.	0.0	0.0	5.1	3.9	5.9
9o Average serum albumin (g/dL) (average of 9l)	.	.	3.1	3.3	3.5	3.5	3.5
9p Serum albumin categories (% of 9l; sums to 100%)							
< 3.0 g/dL	.	.	0.0	0.0	10.1	10.4	11.1
3.0-<3.5 g/dL	.	.	100	100	28.5	29.4	30.7
3.5-<4.0 g/dL	.	.	0.0	0.0	41.5	41.1	39.5
>=4.0 g/dL	.	.	0.0	0.0	15.3	15.1	12.7
Missing	.	.	0.0	0.0	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)	162	174	163	178	73.1	61.7	63.5
9r Eligible adult HD patient-months (n) <sup>*3</sup>	1,189	1,207	1,119	1,251	506.2	423.0	457.9
9s Kt/V categories among adult HD patients (% of 9r; sums to 100%)							
<1.2	0.9	1.3	0.9	2.0	2.0	2.1	2.2
1.2-<1.4	7.7	8.2	9.1	13.0	12.2	12.7	16.9
1.4-<1.6	17.7	20.4	22.2	26.5	26.2	27.8	30.8
1.6-<1.8	25.7	27.6	25.5	24.0	26.9	27.4	25.7
>= 1.8	43.2	38.1	38.8	31.9	30.7	28.0	22.6
Missing/Out of range/Not performed/Expired	4.7	4.4	3.6	2.6	2.1	2.0	1.7
9t Adult HD: Kt/V >=1.2 (% of 9r) <sup>*4</sup>	94.4	94.3	95.5	95.4	96.0	95.9	96.1
9u Eligible adult peritoneal dialysis (PD) patients (n)	0	1	2	0	8.4	8.3	6.0
9v Eligible adult PD patient-months (n) <sup>*3</sup>	0	1	2	0	62.4	61.7	45.9
9w Kt/V categories among adult PD patients (% of 9v; sums to 100%)							
<1.7	.	0.0	0.0	.	5.4	5.7	6.7
1.7-<1.9	.	0.0	0.0	.	18.1	16.1	20.0
1.9-<2.2	.	0.0	0.0	.	30.6	30.4	29.0
2.2-<2.5	.	0.0	0.0	.	18.7	20.3	17.5
>=2.5	.	0.0	50.0	.	21.8	23.2	22.6
Missing/Out of range/Not performed/Expired	.	100	50.0	.	5.4	4.2	4.2
9x Adult PD: Kt/V >=1.7 (% of 9v) <sup>*4</sup>	.	0.0	50.0	.	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>	164	175	178	198	91.8	81.2	86.0
10b Eligible adult patient-months (n) <sup>*3 *4</sup>	1,496	1,586	1,531	1,731	796.3	704.6	755.9
10c Average phosphorous <sup>*5</sup> (mg/dL) (average of 10b <sup>*6</sup> )	5.5	5.9	5.7	5.7	5.5	5.4	5.3
10d Phosphorous categories (% of 10b <sup>*6</sup> ; sums to 100%)							
<3.5 mg/dL	7.8	6.5	5.9	7.1	7.6	7.8	8.6
3.5-4.5 mg/dL	22.5	19.5	21.1	19.4	23.0	24.0	24.9
4.6-5.5 mg/dL	24.9	22.8	25.5	25.3	28.1	28.9	29.5
5.6-7.0 mg/dL	27.0	26.1	25.8	28.0	22.9	22.4	20.5
>7.0 mg/dL	16.8	22.9	20.1	18.3	15.4	14.1	12.1
Missing/Out of range	1.1	2.1	1.5	1.8	2.9	2.9	4.5
10e Average calcium uncorrected <sup>*5</sup> (mg/dL) (average of 10b)	9.2	9.2	9.1	9.1	9.0	9.0	8.9
10f Calcium uncorrected categories (% of 10b; sums to 100%)							
<8.4 mg/dL	12.0	12.5	11.0	10.2	14.9	15.1	17.3
8.4-10.2 mg/dL	83.8	82.9	86.2	87.2	79.2	79.6	76.5
>10.2 mg/dL	3.2	2.4	1.3	1.1	1.4	1.6	1.5
Missing/Out of range	1.1	2.2	1.6	1.4	4.5	3.6	4.8
10g Average uncorrected serum or plasma calcium > 10.2 mg/dL <sup>*5 *7</sup>	1.1	1.6	0.1	0.3	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)	1,569	1,687	1,634	1,831	741.8	647.1	731.0
11b	Vascular access type in use (% of 11a; sums to 100%)							
	Arteriovenous fistula	68.1	72.7	74.0	72.4	70.8	69.0	61.7
	Arteriovenous graft	16.4	15.5	15.4	11.5	11.9	13.3	17.4
	Catheter	14.7	10.7	9.9	14.9	15.3	15.5	16.9
	Other/Missing	0.8	1.1	0.7	1.3	2.0	2.2	4.0
11c	Arteriovenous fistulae in place (% of 11a) <sup>*4</sup>	69.5	73.4	74.5	73.1	71.6	70.2	62.9
11d	Catheter only >= 90 days (% of 11a) <sup>*5</sup>	7.5	4.3	3.8	6.2	9.1	9.0	10.3
<b>Vascular Access at First Treatment</b>								
11e	Incident hemodialysis patients (n)	31	36	35	50	17.1	15.2	16.5
11f	Vascular access type in use (% of 11e; sums to 100%)							
	Arteriovenous fistula	25.8	27.8	25.7	32.0	24.6	23.4	15.5
	Arteriovenous graft	3.2	5.6	2.9	0.0	3.8	3.9	3.4
	Catheter	71.0	66.7	71.4	66.0	67.6	68.7	74.0
	Other/Missing	0.0	0.0	0.0	2.0	3.9	4.1	7.1
11g	Arteriovenous fistulae in place (% of 11e) <sup>*4</sup>	25.8	27.8	25.7	32.0	25.9	25.0	17.4
<b>Infection: Peritoneal dialysis (PD)</b>								
11h	Eligible PD patients (n)	0	1	3	1	10.0	10.0	7.3
11i	Eligible PD patient-months <sup>*3</sup>	0	1	4	1	70.6	69.8	52.6
11j	PD catheter infection rate per 100 PD patient-months <sup>*6</sup>	.	0.00	0.00	0.00	2.07	1.69	1.69
11k	P-value <sup>*7</sup> of 11h (compared to U.S. value) <sup>*8</sup>	.	0.972	0.899	0.983	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)	102	100	109	115	53.4	46.3	49.2
12b Comorbidity (% yes of 12a)							
<b>Infections</b>							
AIDS/HIV positive	2.9	2.0	1.8	0.9	0.6	0.6	1.7
Dialysis access-related	11.8	11.0	6.4	8.7	7.5	7.6	9.4
Hepatitis B	5.9	7.0	3.7	6.1	1.7	1.3	1.7
Hepatitis other	14.7	10.0	11.0	15.7	6.4	5.5	5.6
Metastatic	5.9	6.0	4.6	6.1	3.1	3.0	3.0
Pneumonia	6.9	7.0	3.7	7.0	6.7	6.0	6.8
Tuberculosis	2.0	3.0	1.8	0.0	0.4	0.3	0.4
Other	38.2	43.0	34.9	37.4	39.4	39.1	43.8
<b>Cardiovascular</b>							
Cardiac arrest	2.9	2.0	0.9	0.0	1.6	1.4	1.5
Cardiac dysrhythmia	33.3	32.0	30.3	38.3	34.1	32.1	33.7
Cerebrovascular disease	23.5	22.0	22.9	13.0	12.9	11.8	16.1
Congestive heart failure	46.1	43.0	44.0	53.0	47.4	46.3	50.4
Ischemic heart disease	36.3	42.0	42.2	49.6	42.9	42.1	48.7
Myocardial infarction	9.8	12.0	17.4	16.5	8.6	8.6	9.4
Peripheral vascular disease <sup>*3</sup>	46.1	36.0	40.4	31.3	35.2	32.5	37.6
<b>Other</b>							
Alcohol dependence	3.9	3.0	2.8	7.8	2.8	2.8	2.8
Anemia	4.9	5.0	2.8	0.9	6.2	6.3	8.7
Cancer	7.8	10.0	10.1	10.4	9.6	9.1	9.9
Chronic obstructive pulmonary disease	23.5	28.0	23.9	30.4	28.9	28.5	31.7
Diabetes	58.8	63.0	59.6	53.9	58.1	57.1	63.3
Drug dependence	9.8	6.0	5.5	13.0	5.8	5.6	3.1
Gastrointestinal tract bleeding	9.8	3.0	4.6	3.5	4.3	4.0	4.3
Hyperparathyroidism	97.1	94.0	95.4	97.4	91.0	88.0	86.6
12c Average number of comorbid conditions	5.0	4.9	4.7	5.0	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	07/18/1988			
13d Number of stations	33			
13e Services provided	Hemodialysis			
13f Shifts after 5:00 pm	Yes			
13g Dialyzer Reuse				
13h CMS Certification Numbers (CCN) included in this report	502509			
13i National Provider Identifier (NPI) <sup>*3</sup>	1205921616			
<b>Patient Placement</b>				
13j Patients treated during year from AFS Form-2744 (n)	255	111.2	98.5	104.1
13k Transferred into facility (% of 13j)	10.6	16.0	15.1	14.7
13l Transferred out of facility (% of 13j)	14.5	15.4	14.8	14.8
13m Patients treated on 12/31 (n)	178	77.4	68.0	72.1
13n Medicare eligibility status (% of 13m; sums to 100% <sup>*4</sup> )				
Medicare	74.7	81.0	84.3	64.4
Medicare application pending	0.6	0.5	0.5	0.7
Non-Medicare	24.7	18.4	15.2	34.9
<b>Survey and Certification</b>				
13o Date of last survey	12/28/2015	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	0	0.4	0.4	0.3
13s Number of Standard deficiencies cited	0	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.