

Quarterly Update of the Fiscal Year 2022 Dialysis Facility Report for State Surveyors - Special Report, June 2022

Purpose of the Report

Quarterly updates of the Dialysis Facility Report (DFRs) are utilized by each state's surveying agency as a resource during the survey and certification process. This report provides a special update of select measures from the FY 2022 DFR for calendar year 2020, along with facility summaries for 2019 from the FY 2022 DFR for comparison.

Unless otherwise specified, data refer to combined results for hemodialysis (HD) and peritoneal dialysis (PD) patients and summaries are for the calendar months or years reported in the table header. Missing values ('.') indicate there were too few patients to yield reliable results. A blank value indicates the measure was not calculated and therefore not reported for any facility. This special quarterly update of the non-italicized outcomes for 2020 will be provided to State Surveyors in June 2022. Italicized outcomes will be updated in September.

This report has been prepared 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 EQRS, Medicare claims, and data collected for CMS. For a complete description of the methods used to calculate the statistics in this report, please see the *Guide to the Quarterly Updates of the FY 2022 DFRs-Special Report*. The *Guide* may be downloaded from the methodology section of the Dialysis Data website at www.DialysisData.org.

What's New in this Special Report

- Eligible Patient Counts, Arteriovenous Fistula in use, Ultrafiltration Rates, and summaries reported in the Anemia, Dialysis Adequacy, Nutrition, and Mineral Metabolism sections include the following updates for calendar year 2020:
 1. Clinical data for the last four months of the calendar year;
 2. Patients new to dialysis during the last three months of the calendar year;
 3. Patient placement in dialysis facilities during the last two months of the calendar year.
- COVID tables and nursing home sections include updates (2) and (3) listed above.
- Long-Term Catheter Rate and Dialysis Adequacy: Kt/V for PD patients are now reported for quarter 4 (Oct-Dec 2020). These measures are not reported for quarter 3 (July-Sept 2020) due to insufficient data availability.
- The percent of patient-months on the waitlist (unadjusted) now include data for November-December 2020.

This Report includes data specific to CCN(s): 999999

How to Submit Comments

Between May 1, 2022 and May 15, 2022, facilities may submit comments to their state surveyor during the preview period or questions to UM-KECC anytime by visiting www.DialysisData.org, logging on to view their report, and clicking on the **Comments & Inquiries** tab.

- (1) **State Surveyor:** Select **"DFR: Comments on DFR for State Surveyor"** from the drop down list to submit comments regarding this report for the state's surveyor(s). Any comments submitted will be appended and sent to the state's surveyor(s) on June 1, 2022. Please do not include questions for UM-KECC using this option.
- (2) **UM-KECC:** Select **"DFR: Comments on DFR for UM-KECC"** to submit questions or suggestions to improve the report to UM-KECC. These comments will not be shared with CMS or your state surveyor.

Data Limitations in FY 2022

The COVID Extraordinary Circumstances Exception (ECE) data policy from CMS restricts the use of claims data from March-June 2020 and EQRS clinical data from January-June 2020. The table below summarizes the data availability for all measures in this special report for calendar year 2020.

Table: Data Availability for Quarterly Update of the FY 2022 DFRs Special Report

Measures	CY 2020 Data Availability
Eligible Patients Infection/Dialysis Access: Arteriovenous Fistula Fluid Management: Ultrafiltration Rate (UFR) Anemia Dialysis Adequacy: Kt/V (HD) Nutrition Mineral Metabolism	July-December (6 months)
Infection/Dialysis Access: Long-Term Catheter Rate Dialysis Adequacy: Kt/V (PD)	October-December (3 months)
Mortality Standardized Hospitalization Ratio (SHR) Infection/Dialysis Access: Hospitalizations with septicemia Fluid Management: Hospitalizations with CHF Transplantation: Standardized 1st Transplantation Ratio Percent of patient-months on the waitlist	January-February, July-December (8 months)
Infection/Dialysis Access: Deaths due to infection Transplantation: Age-adjusted percentage of patients waitlisted	January-February, July-October (6 months)
Standardized Readmission Ratio (SRR)	January 1-30, July-October (5 months)
Influenza Vaccination	January-February (2 months)

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The tables below provide quarterly updates of COVID-19 patient counts, deaths, and hospitalizations among Medicare dialysis patients (Table C1) and Medicare nursing home (NH) dialysis patients (Table C2) in 2020 Q1-Q4. State, Network, and National averages for 2020 Q4 are reported for comparison.

TABLE C1. COVID among Medicare Dialysis Patients, 2020 *1

Item	Outcome Description	This Facility Jan-Dec, 2020				Regional Averages Q4: Oct-Dec, 2020		
		Q1: Jan-Mar	Q2: Apr-Jun	Q3: Jul-Sep	Q4: Oct-Dec	State	Network	U.S.
1	Medicare dialysis patients (n)	103	98	101	108	n/a	n/a	n/a
2	Patients ever infected with COVID (n)	0	0	5	10	n/a	n/a	n/a
	Patients ever infected with COVID (% of 1)	0.0	0.0	5.0	9.3	9.0	9.0	11.7
3	Patients initially infected with COVID (n)	0	0	5	5	n/a	n/a	n/a
	Patients initially infected with COVID (% of 1)	0.0	0.0	5.0	4.6	3.4	3.4	6.3
Deaths among Medicare patients								
4	Deaths (n)	8	2	6	11	n/a	n/a	n/a
5	Deaths among patients ever infected with COVID (n)	0	0	1	4	n/a	n/a	n/a
	Deaths among patients ever infected with COVID (% of 4)	0.0	0.0	16.7	36.4	18.4	18.4	27.9
Hospitalizations *2 among Medicare patients								
6	Hospitalizations (n)	35	33	32	44	n/a	n/a	n/a
7	Hospitalizations among patients ever infected with COVID (n)	0	0	5	8	n/a	n/a	n/a
	Hospitalizations among patients ever infected with COVID (% of 6)	0.0	0.0	15.6	18.2	16.5	16.5	23.9

TABLE C2. COVID among Medicare Dialysis Patients Treated in Nursing Home (NH) Facilities, 2020 *1

Item	Outcome Description	This Facility Jan-Dec, 2020				Regional Averages Q4: Oct-Dec, 2020		
		Q1: Jan-Mar	Q2: Apr-Jun	Q3: Jul-Sep	Q4: Oct-Dec	State	Network	U.S.
1	Medicare NH dialysis patients (n)	13	17	14	14	n/a	n/a	n/a
2	Patients ever infected with COVID (n)	0	0	3	4	n/a	n/a	n/a
	Patients ever infected with COVID (% of 1)	0.0	0.0	21.4	28.6	30.3	30.3	36.7
3	Patients initially infected with COVID (n)	0	0	3	2	n/a	n/a	n/a
	Patients initially infected with COVID (% of 1)	0.0	0.0	21.4	14.3	11.0	11.0	19.1
Deaths among Medicare NH patients								
4	Deaths (n)	2	2	1	5	n/a	n/a	n/a
5	Deaths among patients ever infected with COVID (n)	0	0	1	2	n/a	n/a	n/a
	Deaths among patients ever infected with COVID (% of 4)	0.0	0.0	100.0	40.0	32.5	32.5	38.4
Hospitalizations *2 among Medicare NH patients								
6	Hospitalizations (n)	7	11	7	11	n/a	n/a	n/a
7	Hospitalizations among patients ever infected with COVID (n)	0	0	3	4	n/a	n/a	n/a
	Hospitalizations among patients ever infected with COVID (% of 6)	0.0	0.0	42.9	36.4	30.3	30.3	38.2

[*1] Includes patients with Medicare as primary insurer or with a Medicare Advantage plan. Table C2 includes patients who were treated in a nursing home at least one day during the quarter.

[*2] Hospitalization is defined as having at least one day in a hospital from Medicare inpatient claims during the reporting period.

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The table below provides a special update of key data elements from the facility's FY 2022 DFR for calendar year 2020. Note, these key data elements appear in bold font in the FY 2022 DFR. The first column includes the category and description of the facility outcome(s), along with the corresponding row numbers from the FY 2022 DFR. Facility outcomes shown in non-italicized font and corresponding State, Network, and National averages for 2020 have been updated to include data from September through December 2020. Facility summaries for 2019 from the FY 2022 DFR are reported for comparison. Unless otherwise indicated within the outcome description, summaries are for the calendar years (or months) reported in the table header. Missing values (.) indicate there were too few patients to yield reliable results. A blank value indicates the measure was not calculated and therefore not reported for any facility.

Measure Name	This Facility 2019-2020				Regional Averages Jul-Dec 2020 [^] *1		
	2019	Jul-Dec 2020 [^]	Q3: Jul-Sep 2020 [^]	Q4: Oct-Dec 2020 [^]	State	Network	U.S.
Eligible Patients ^{*2}							
Eligible adult patients (n)	131	104	91	97	67.9	67.9	69.8
Eligible adult hemodialysis (HD) patients (n)	125	99	86	91	61.6	61.6	63.0
Eligible adult peritoneal dialysis (PD) patients (n)	8	6	5	6	15.9	15.9	19.4
Mortality ^{*3}							
4-year Standardized Mortality Ratio (2017-2020) - DFR row 3h		1.26			1.07	1.07	1.00
1-year Standardized Mortality Ratio - DFR row 3h	1.38	1.91			1.07	n/a	1.00
Hospitalization ^{*3}							
Standardized Hospitalization Ratio (SHR) - DFR row 4k	0.86	1.02			1.18	n/a	1.00
Standardized Readmission Ratio (SRR) - DFR row 4ad	0.82	0.70			1.15	1.15	1.07
Infection/Dialysis Access							
Deaths due to infection (%) - DFR row 3f ^{*3}	0.0	0.0			5.4	n/a	7.2
Hospitalizations with septicemia (%) - DFR row 4o ^{*3}	9.3	17.6			14.2	n/a	13.1
Long-Term Catheter Rate (HD)(LTCR) - DFR row 11g ^{*4}	13.9	19.2		19.2	16.1	16.1	14.5
Arteriovenous fistula in use (HD) (%) - DFR row 11c ^{*4}	63.5	56.4	56.0	56.9	57.8	57.8	61.7
Fluid Management ^{*3}							
Hospitalizations with congestive heart failure (%) - DFR row 4o	33.3	33.6			30.5	30.5	27.5
Ultrafiltration rate (UFR) Categories (%) - DFR row 9g							
UFR > 13 ml/kg/hr	17.3	5.6	6.4	4.9	6.9	6.9	7.8
Missing or Out of Range	4.5	4.0	3.0	4.9	5.7	5.7	5.6
Anemia ^{*3}							
Hemoglobin (HD) < 10 g/dL (%) - DFR row 8d	19.3	23.8	18.2	29.2	21.9	21.9	22.0
Hemoglobin (PD) < 10 g/dL (%) - DFR row 8i	34.9	45.5	46.7	44.4	21.7	21.7	22.4
Dialysis Adequacy ^{*5}							
Kt/V (HD) categories (%) - DFR row 9k							
Kt/V < 1.2	1.0	1.0	1.0	1.0	1.4	1.4	1.6
Missing or Out of Range	0.9	0.7	0.5	1.0	1.3	1.3	1.2
Kt/V weekly (PD) categories (%) - DFR row 9o							
Kt/V < 1.7	7.0	5.6		5.6	4.6	4.6	4.6
Missing or Out of Range	4.7	22.2		22.2	2.4	2.4	2.5
Nutrition ^{*3}							
Serum Albumin (HD) < 4.0 g/dL (%) - DFR row 9e	53.3	50.7	50.8	50.6	53.9	53.9	56.3
Serum Albumin (PD) < 4.0 g/dL (%) - DFR row 9r	79.1	57.6	53.3	61.1	53.9	53.9	56.3
Influenza Vaccination ^{*6}							
Vaccinations between 8/1/19 and 2/29/20 (%) - DFR row 7d	81.8				71.9	71.9	78.2

Kt/V: K = dialyzer clearance of urea; t = dialysis time; V = patient's total body water.
n/a = not applicable

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Measure Name	This Facility 2019-2020				Regional Averages Jul-Dec 2020 ^{^*1}		
	2019	Jul-Dec 2020 [^]	Q3: Jul-Sep 2020 [^]	Q4: Oct-Dec 2020 [^]	State	Network	U.S.
Mineral Metabolism^{*7}							
Phosphorus categories (%) - DFR row 10d							
>7.0 mg/dL	18.3	13.8	15.7	11.9	14.9	14.9	15.3
Missing or Out of Range	1.7	4.8	3.0	6.5	3.0	3.0	2.6
Calcium uncorrected categories (%) - DFR row 10f							
> 10.2 mg/dL	1.4	2.9	2.4	3.4	1.1	1.1	1.1
Missing or Out of Range	1.1	2.0	1.2	2.7	2.7	2.7	2.3
Average uncorrected calcium > 10.2 mg/dL (%) - DFR row 10g	0.6	3.3	3.2	3.4	2.0	2.0	1.7
Transplantation^{*8}							
Standardized 1st Transplantation Ratio (4-year STR) - DFR row 5h							
		0.93			1.13	1.13	1.00
Patient-months on the transplant waitlist (%) - DFR row 6c	8.0	6.4	6.1	6.1	14.2	14.2	17.8
Age-Adjusted percentage of patients waitlisted - DFR row 6e	8.2	6.7			14.4	14.4	17.3
Nursing Home (NH) Patients^{*9}							
All Dialysis Patients (n)	152	147	104	114	98.6	98.6	89.6
NH patients (% of All Dialysis Patients)	23.0	19.7	14.4	12.3	14.7	14.7	15.8

Kt/V: K = dialyzer clearance of urea; t = dialysis time; V = patient's total body water.
n/a = not applicable

[^] See Data Limitations in FY 2022 on page 2 for important details regarding data availability for 2020.

[*1] Values for the 4-year SMR, percent of hospitalizations with congestive heart failure, and the STR are summarized over the aggregate period, annualized.

[*2] See *Guide to the Quarterly Updates of the FY 2022 DFR-Special Report, Section IV*, Patient Assignment Methods for Clinical Measures. HD and PD patients may not sum to total. Summaries for 2020 are limited to data reported in July through December 2020.

[*3] See *Guide to the FY 2022 DFR for Mortality (Section VI)* and *Hospitalization (Section VII)* summaries. See *Guide to the Quarterly Updates of the FY 2022 DFR - Special Report for Anemia (Section VII)* and *UFR/Albumin (Section VI)* summaries. Please note the regional averages for the Nutrition measures are a weighted average of the HD and PD values and therefore both HD and PD have same values. Mortality and Hospitalization summaries for 2020 exclude data from March through June 2020. Deaths due to infection have further data limitations and are complete only through October 2020. Readmission Statistics are further limited to index discharges between January 1-30, 2020 and July-October 2020. UFR, Anemia, and Albumin summaries for 2020 are limited to July through December 2020.

[*4] See *Guide to the Quarterly Updates of the FY 2022 DFR-Special Report, Section XIV*. Patients for whom other vascular access types may be either more difficult or not appropriate were excluded. LTCR includes patients using a catheter continuously for three months or longer. Other or missing access types are counted as catheter in use in the numerator. Arteriovenous fistula values in 2020 are limited to July through December 2020 and long-term catheter rate values in 2020 were calculated for quarter 4 only due to data exceptions.

[*5] See *Guide to the Quarterly Updates of the FY 2022 DFR-Special Report, Section XII*. Summaries are supplemented with Medicare claims if missing in EQRS. HD Kt/V summaries are restricted to patients from (1b) 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. HD Kt/V values in 2020 are limited to July through December 2020 and PD Kt/V values for 2020 are calculated for quarter 4 only due to data exceptions.

[*6] See *Guide to the FY 2022 DFR, Section X*. Data from March 2020 are excluded from Influenza measures for Medicare dialysis patients due to data exceptions.

[*7] See *Guide to the Quarterly Updates of the FY 2022 DFR-Special Report, Section XIII*. Patients from (1a) may be counted up to 12 times. Hypercalcemia is averaged from uncorrected serum or plasma calcium values over a rolling 3-month period; includes patients 18 years or older as of the first day of the 3-month period. Summaries for 2020 are limited to data reported in July through December 2020.

[*8] See *Guide to the FY 2022 DFR: Transplantation (Section VIII)* and *Waitlist (Section IX)*. The STR is calculated as a ratio of actual to expected transplants and not reported if there are fewer than 3 expected transplants. The waitlist percentages include months that patients are assigned to the facility on the last day of the month; patients may be counted up to 12 times per year. The age-adjusted waitlist percentage is not shown if there are fewer than 11 eligible patients. Values for 2020 exclude transplants and wait listings between March-June 2020.

[*9] The denominator in this section includes all patients receiving dialysis (any modality) at any time during the reporting period. Nursing home patients are defined as the patients in CMS Long Term Care Minimum Data Set (MDS) at any time during the reporting period.