NHSN Dialysis COVID-19 Data Entry Review

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Objectives

1. Discuss the timeline for data collection and data entry

2. Explain each question and review the appropriate responses

3. Review the most common “Frequently Asked Questions”

4. Provide a “Question and Answer” session for National Healthcare Safety Network (NHSN) users to address COVID-19 reporting in the Dialysis community
Outpatient Dialysis Center Practices Survey

- A new version of the Outpatient Dialysis Center Practices Survey will become available on February 1 and must be completed before your facility will be permitted to enter May 2021 Dialysis Event data.
- The survey will ask questions about your facility’s practices during the first week of February 2021.
- Facilities will not be able to submit a completed survey until after February 7.
- Administrative users can create a survey by clicking ‘Surveys’ and ‘Add’ on the blue navigation panel in NHSN.
- A paper version of the new survey and a table of instructions can be found under the ‘Data Collection Forms and Instructions’ tab of the Dialysis Event homepage.
Annual Survey – In-Center Dialysis

- **Question 3**: Added an additional accreditation agency to the drop down

  3. Is your facility accredited by an organization other than CMS? **Yes**

     a. If yes, specify (choose one):

     - JOINT - Joint Commission
     - NDAC - National Dialysis Accreditation Commission
     - ACHC - Accreditation Commission for Health Care
     - OTHER - Other (specify)

- **Question 14**: Screening patients for TB, added a sub-question about what method is used for screening

  14. Does your center routinely screen patients for latent tuberculosis infection (LTBI) on admission to your center? **Yes**

       a. If yes, what method is used to screen? (select all that apply)

       - Tuberculin Skin Test
       - Blood Test
       - Other, specify

- **Question 26**: Added question about the number of home hemodialysis patients that receive certain vaccines

  26. Of the home hemodialysis patients counted in question 22b, how many received: **

       a. At least 3 doses of hepatitis B vaccine (ever)?

       b. The influenza (flu) vaccine for the current/most recent flu season?

       c. At least one dose of pneumococcal vaccine (ever)?
Question 27: Added question about the number of peritoneal dialysis patients that receive specific vaccines

27. Of the peritoneal dialysis patients counted in question 22c, how many received: **
   
   a. At least 3 doses of hepatitis B vaccine (ever)? **
   
   b. The influenza (flu) vaccine for the current/most recent flu season? **
   
   c. At least one dose of pneumococcal vaccine (ever)? **
Annual Survey – In-Center Dialysis

- Section F.1: Added General Vascular Access Information
  - Question 54: Clarified wording on non-transient in-center hemodialysis patients and a breakdown of each line for these patients
  - Question 55: Added question about line maintenance for different lines in non-transient home dialysis patients

![Image of the survey questions]

54. Of the MAINTENANCE, NON-TRANSIENT in-center hemodialysis patients from question 22a, how many received hemodialysis through each of the following access types during the first week of February?

- a. AV fistula: **
- b. AV graft: **
- c. Tunneled central line: **
- d. Nontunneled central line: **
- e. Other vascular access device (e.g., HeRO®): **

55. Of the MAINTENANCE, NON-TRANSIENT home hemodialysis patients from question 22b, how many received hemodialysis through each of the following access types during the first week of February?

- a. AV fistula: **
- b. AV graft: **
- c. Tunneled central line: **
- d. Nontunneled central line: **
- e. Other vascular access device (e.g., HeRO®): **
Annual Survey – In-Center Dialysis

- Question 58: Added question and sub-questions if your in-center hemodialysis facility performs buttonhole cannulation and how many of the AV fistula patients are buttonhole cannulations
- Question 59: Added question and sub-questions about buttonhole cannulation in home dialysis patients and the care of the buttonhole

| Question 58 | Yes/No | Comment
|-------------|--------|---------|
| Does your in-center hemodialysis facility perform buttonhole cannulation? | ** | Note: Provide details about buttonhole cannulation.

- a. Of the AV fistula patients from question 54a, how many had buttonhole cannulation? ** 
- b. When buttonhole cannulation is performed for in-center hemodialysis patients:
  - i. Who most often performs it? **
    - Specify:
  - ii. Before cannulation, what is the buttonhole site most often prepped with? (select the one most commonly used) **
    - Specify:
  - iii. Is antimicrobial ointment (e.g., mupirocin) routinely used at buttonhole cannulation sites to prevent infection? **

| Question 59 | Yes/No | Comment
|-------------|--------|---------|
| Does your in-center hemodialysis facility perform buttonhole cannulation for home hemodialysis patients? | ** | Note: Provide details about buttonhole cannulation.

- a. Of the AV fistula patients from question 55a, how many had buttonhole cannulation? ** 
- b. When buttonhole cannulation is performed for home hemodialysis patients:
  - i. Who most often performs it? **
    - Specify:
  - ii. Before cannulation, what is the buttonhole site most often prepped with? (select the one most commonly used) **
    - Specify:
  - iii. Is antimicrobial ointment (e.g., mupirocin) routinely used at buttonhole cannulation sites to prevent infection? **
Annual Survey – In-Center Dialysis

- Question 64: Added question on who accesses hemodialysis catheters
- Question 65: Added question on who preforms hemodialysis catheter exit site care

64. Who most often accesses hemodialysis catheters for treatment in your center? (select one) **
   Specify: 

65. Who most often performs hemodialysis exit site care in your center? (select one) **
   Specify: 
Annual Survey – Home Dialysis

- Completing the annual survey for home dialysis is option and not required to enter data into the COVID module.
- Question 3: Added an additional accreditation agency to drop down
  - Joint Commission
  - National Dialysis Accreditation Commission
  - Accreditation Commission for Health Care
  - Other (specify)
- Question 7: Added question about providing dialysis services in a long-term care facility
- Question 8: Options updated about tracking infections in peritoneal dialysis patients
Annual Survey – Home Dialysis Cont.

- Question 10: Added question about hospitalization due to a blood stream infection (BSI)
- Question 11: Added question about obtaining hospital lab results from hospitalization

10. If a patient from your center was hospitalized, how often is your center able to determine if a bloodstream infection contributed to their hospital admission? **

11. How often is your center able to obtain a patient’s microbiology lab records from a hospitalization? **

- Question 16: Added question about the number of home hemodialysis patients that receive certain vaccines

16. Of the home hemodialysis patients counted in question 13b, how many received:
   a. At least 3 doses of hepatitis B vaccine (ever)? **
   b. The influenza (flu) vaccine for the current/most recent flu season? **
   c. At least one dose of the pneumococcal vaccine (ever)?
Annual Survey – Home Dialysis Cont.

- Question 20: Added question about screening for Hep C

  20. Does your center routinely screen patients for hepatitis C antibody (anti-HCV) upon initiation of care? **
    a. Peritoneal patients:  
    b. Home hemodialysis patients: 

- Question 38: Added question about providing supplies for dressing changes

- Question 39: Added question about education on showering with catheters and does your facility provide catheter protectors for showering

  38. Does your center provide hemodialysis catheter patients with supplies to allow for changing catheter dressings at home? **

  39. 
    a. Does your center educate patients with hemodialysis catheters on how to shower with the catheter? (select the best response) **
    b. Does your center provide hemodialysis catheter patients with a protective catheter cover (e.g., Shower Shield®, Cath Dry™) to allow them to shower? **
Reporting Reminder for COVID-19 Module

- Data should be reported each Wednesday by 3PM ET from the week prior.
  - For example: Data needs to be entered on 12/09/2020 for the previous Wednesday (12/02/2020) to Tuesday (12/08/2020).

FAQ: How do we change the data reported from a previous week?
Data may be revised in NHSN at any time. Upon log in, change your data entry to the desired value and click “SAVE”. You should also contact your ESRD Network if data corrections are made following the weekly Wednesday deadline.
NHSN Application COVID-19 Dialysis Data Entry

- In 2021, the entire COVID-19 module questionnaire will be required.
- Select “COVID-19” and the following calendar option will appear.
NHSN Application COVID-19 Dialysis Data Entry

- Click on each cell/day and input the required data
NHSN Application COVID-19 Dialysis Data Entry

Add COVID-19 Data

Date for which responses are reported: 12/09/2020

Outpatient Dialysis COVID-19 Data

<table>
<thead>
<tr>
<th>Facility Operational Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>For the following questions, please collect data at the same time (for example, 7 AM)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Facility ID</th>
<th>CMS Certification Number (CCN)</th>
<th>Facility Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>10856</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30303</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dialysis Test Facility 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>In-center Patient Census</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Home Patient Census</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Total Certified Stations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Isolation Stations Included in Total Certified Stations</td>
<td></td>
</tr>
</tbody>
</table>

Auto-populates
**NHSN Application COVID-19 Dialysis Data Entry**

**FAQ:** Should dialysis facilities include transient patients in our weekly report?

Yes. If a patient is seen in your clinic during the week, they should be counted and reported in your weekly census as well as COVID-19 status.

<table>
<thead>
<tr>
<th>Facility Name</th>
<th>In-center Patient Census</th>
<th>Home Patient Census</th>
<th>Total Certified Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dialysis Test Facility 3</td>
<td><strong>19</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10856</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30303</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Auto-populates but can be changed depending on the weekly volume. Only report each patient one time per week. This is not a cumulative count. It is a weekly count.
NHSN Application COVID-19 Dialysis Data Entry

Auto-populates from annual survey. Cannot be changed except if edited on the annual survey tool. If an annual survey was not completed, enter the number of certified stations.

<table>
<thead>
<tr>
<th>Facility ID</th>
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<tbody>
<tr>
<td>10856</td>
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</tr>
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<td>Facility Name</td>
</tr>
<tr>
<td>19</td>
<td>*In-center Patient Census</td>
</tr>
<tr>
<td>3</td>
<td>*Home Patient Census</td>
</tr>
<tr>
<td></td>
<td>*Total Certified Stations</td>
</tr>
<tr>
<td></td>
<td>*Isolation Stations Included in Total Census</td>
</tr>
<tr>
<td></td>
<td>*Is your facility a designated COVID unit?</td>
</tr>
<tr>
<td></td>
<td>*Does your facility have designated COVID shifts?</td>
</tr>
<tr>
<td></td>
<td>How many patients on the current in-center census reside in nursing homes?</td>
</tr>
<tr>
<td></td>
<td>How many patients on the current home census reside in nursing homes?</td>
</tr>
</tbody>
</table>
Add COVID-19 Data

Date for which responses are reported: 12/09/2020

Outpatient Dialysis COVID-19 Data

<table>
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<th>Facility Name</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
</tbody>
</table>

Enter the number of isolation stations in your facility.

*Isolation Stations Included in Total Certified Stations
*Is your facility a designated COVID unit?
*Does your facility have designated COVID shifts?

How many patients on the current in-center census reside...
FAQ: If a facility is a designated COVID unit, how do we respond if we have patients under investigation (PUI) shifts only or positive patients?

Each facility should report the number of patients with suspected cases and the number of patient who have received a positive test result.
### Facility Operational Information

For the following questions, please collect data at the same time (for example, 7 AM)

<table>
<thead>
<tr>
<th>Facility ID</th>
<th>CMS Certification Number (CCN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>83053</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Susan's Test Facility Dialysis</th>
<th>Facility Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>In-center Patient Census</td>
</tr>
<tr>
<td>29</td>
<td>Home Patient Census</td>
</tr>
<tr>
<td>35</td>
<td>Total Certified Stations</td>
</tr>
</tbody>
</table>

- Is your facility a designated COVID unit?
- Does your facility have designated COVID shifts?

These questions are not required at this time but will be required in January 2021

- How many patients on the current in-center census reside in nursing homes?
- How many patients on the current home census reside in nursing homes?
NHSN Application COVID-19 Dialysis Data Entry

SARS-CoV-2 Positive (+) Patients and Staff

For the following questions, report data on the same day each week at least once a week. For questions requiring counts, include only new data since the last date the counts were collected for reporting in the NHSN Module.

- Number of newly confirmed in-center patients since last reporting
- Number of newly confirmed in-center patients since last reporting that reside in nursing homes
- Number of newly confirmed patients since last reporting that are home patients
- Number of newly confirmed staff since last reporting
- Number of SARS-CoV-2 patients who are currently admitted to the hospital
- Number of confirmed patients currently self-monitoring and contact tracing
- Number of confirmed patients currently self-monitoring and contact tracing
How many of your patients are currently hospitalized with COVID-19?
<table>
<thead>
<tr>
<th>Question</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Number of newly confirmed in-center patients since last reporting</td>
</tr>
<tr>
<td>* Number of newly confirmed in-center patients since last reporting that reside in nursing homes</td>
</tr>
<tr>
<td>* Number of newly confirmed patients since last reporting that are home patients</td>
</tr>
<tr>
<td>* Number of newly confirmed staff since last reporting</td>
</tr>
<tr>
<td>* Number of SARS-CoV-2 patients who are currently admitted to the hospital</td>
</tr>
<tr>
<td>* Number of confirmed patients currently self-monitoring and continuing in-center therapy</td>
</tr>
<tr>
<td>* Number of confirmed patients currently self-monitoring and continuing home therapy</td>
</tr>
</tbody>
</table>

How many in-center or home patients are positive and monitoring for symptoms?
FAQ: How do Dialysis facilities report patients or staff members who are new suspected cases during the previous surveillance week?

If a patient previously was reported as PUI one week, will that same patient still need to be reported the following week as PUI? Yes, if the patient is a PUI during a weekly reporting period, they should be reported.
Enter the number of new patients who were recently tested for SARS-CoV-2 since last reporting.

Enter the number of patients with negative SARS-CoV-2 test since last reporting.
**NHSN Application COVID-19 Dialysis Data Entry**

- Enter the number of patients with positive SARS-CoV-2 test since last reporting.
- Enter the number of patients with an unknown SARS-CoV-2 test since last reporting.

### Testing for SARS-CoV-2 Infection

For the following questions, report data on the same day each week at least once a week. For questions requiring counts, include only new data since the last date the counts were collected for reporting in the NHSN Module.

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>*Number of new patients who were recently tested for SARS-CoV-2 since last reporting</td>
<td></td>
</tr>
<tr>
<td>*Of those new patients who were recently tested for SARS-CoV-2 since last reporting, how many had a negative SARS-CoV-2 test result since last reporting</td>
<td></td>
</tr>
<tr>
<td>*Of those new patients who were recently tested for SARS-CoV-2 since last reporting, how many had a positive SARS-CoV-2 test result since last reporting</td>
<td></td>
</tr>
<tr>
<td>*Of those new patients who were recently tested for SARS-CoV-2 since last reporting, how many had an unknown SARS-CoV-2 test result since last reporting</td>
<td></td>
</tr>
</tbody>
</table>
Enter the number of staff known to have recovered since last reporting.

Enter the number of patients known to have recovered since last reporting.

<table>
<thead>
<tr>
<th>SARS-CoV-2 Positives (+) that have recovered</th>
</tr>
</thead>
<tbody>
<tr>
<td>For the following questions, report data on the same day each week at least once a week. For questions requiring counts, include only <strong>new data</strong> since the last date the counts were collected for reporting in the NHSN Module.</td>
</tr>
<tr>
<td>*Number of patients recovered since last reporting</td>
</tr>
<tr>
<td>*Number of staff recovered since last reporting</td>
</tr>
</tbody>
</table>
• Count all patients with suspected or confirmed SARS-CoV-2 infections who died before full recovery during the last surveillance week.
• Suspected or confirmed SARS-CoV-2 deaths is defined as a patient with suspected or confirmed SARS-CoV-2 test result who died before fully recovering from SARS-CoV-2 infection.

FAQ: If a patient tests positive and expires in the same week, does the dialysis facility report both? Yes. You should report that they were positive and that they expired in the summary data for the week.
• Count all staff with suspected or confirmed SARS-CoV-2 infections who died before full recovery during the last surveillance week.

• Suspected or confirmed SARS-CoV-2 Deaths is defined as a staff member with suspected or confirmed SARS-CoV-2 test result who died before fully recovering from SARS-CoV-2 infection.

FAQ: If a staff member tests positive and expires in the same week, does the dialysis facility report both?
Yes. You should report that they were positive and that they expired in the summary data for the week.
Select ‘yes’ if your facility will have a critical shortage of staff or personnel within the next week. *Each organization should define critical staffing shortage based on facility-specific needs.*

### Staff and/or Personnel Impact

*For the following questions, please collect data at the same time at least once a week (for example, 7 AM)*

<table>
<thead>
<tr>
<th>Staffing Shortage?</th>
<th>Staff and Personnel Groups</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Nursing Staff:</strong> registered nurse, licensed practical nurse, vocational nurse</td>
</tr>
<tr>
<td></td>
<td><strong>Clinical Staff:</strong> physician, physician assistant, advanced practice nurse</td>
</tr>
<tr>
<td></td>
<td><strong>Tech:</strong> dialysis technician</td>
</tr>
<tr>
<td></td>
<td><strong>Other staff or facility personnel,</strong> regardless of clinical responsibility or patient contact not included in the categories above (for example, environmental services, biomed)</td>
</tr>
</tbody>
</table>
Column 1: Select ‘yes’ if your facility currently has a supply of these supplies and PPE.

FAQ: Should PPE supplies be reported for the health system at this time or needs to be broken down specific for a dialysis site? PPE use should be reported for Outpatient Dialysis specific areas. This information is specific for the resources available to outpatient dialysis facilities to determine the needs and risks for the dialysis patient population.

If you answer “no” to column 1, column 2 will auto-populate with “no”.

<table>
<thead>
<tr>
<th>Supplies &amp; Personal Protective Equipment (PPE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>For the following questions, please collect data at the same time at least once a week (for example, 7 AM)</td>
</tr>
<tr>
<td>Item</td>
</tr>
<tr>
<td>N95 masks</td>
</tr>
<tr>
<td>Surgical masks or medical facemasks</td>
</tr>
<tr>
<td>Eye protection, including face shields or goggles</td>
</tr>
<tr>
<td>Single-use Isolation Gowns</td>
</tr>
<tr>
<td>Gloves</td>
</tr>
<tr>
<td>Alcohol-based hand sanitizer</td>
</tr>
</tbody>
</table>
Select ‘yes’ if your facility can perform onsite sample collection for SARS-CoV-2 tests.

If ‘yes’ is selected to question above, select all tests that are being performed.

If ‘viral’ is selected in above question, select all types of samples being collected.
NHSN Application COVID-19 Dialysis Data Entry

If answered ‘No’ to “Does your facility have ability to collect specimens onsite”, select all reasons why the facility doesn’t have this ability.

Select ‘yes’ if your facility has an in-house point-of-care test machine capable of performing SAR-CoV-2 testing.
FAQs: Testing

- **Should COVID-19 positive rapid testing be reported through the Dialysis COVID-19 module?** All viral antigen and PCR tests should be reported through the Dialysis COVID-19 module. Do not submit antibody test results.

- **Should COVID-19 antibody testing be reported if the patient was never tested for COVID-19?** No. Only patients with an antigen or PCR test should be reported.

- **What does on-site testing refer to?** On-site testing refers to specimen collection done at the dialysis facility for COVID-19 testing, regardless of whether laboratory analysis is performed on-site or off-site.
FAQs: Testing

- **If we send out patients to a medical center for testing, do we report the positive test or does the medical center?** If your facility sends the patients out for testing and they continue to be dialyzed in your facility, you should report their positive results on the day/week they are received.

- **Do facilities report positive tests done while a patient was hospitalized?** Yes. If a patient was admitted to an inpatient status in a medical center or hospital, testing which occurred during the hospitalization should be included in the in-center data.

- **What if patients are tested multiple times or are required to have pre-procedure testing?** If a patient is tested multiple times in one week, you will be reporting per patient and not per test. If they are tested once in Week 1 and once in Week 2, you will report an occurrence each week.
FAQs: Long Term Care and Dialysis

- **If LTCs are testing patients weekly, do we report weekly testing?** If a dialysis patient receives a test, it should be reported by the dialysis facility providing care for the patient. This may mean both facilities are reporting the testing but the goal is to determine the burden of COVID-19 in the dialysis patient population.

- **My facility is a Home dialysis facility and performs dialysis in an LTC or nursing home. If the LTC is reporting COVID-19 cases, do we need to report data on the Home dialysis patients?** Yes. In order to determine the burden and case rates for the dialysis population, NHSN is requesting the Home dialysis facilities who serve LTC facilities also report the data for patients receiving dialysis. This should also be done for in-center facilities who have Home dialysis patients. The Home dialysis and PD patients should be reported under the Home Dialysis Census and questions with the module.
FAQs: Home Dialysis

- If the dialysis facility has a home facility under a different CCN, should they be reported separately? Yes. A facility should be reported separately if they have a different CCN.

- Should stand alone home dialysis facilities report to NHSN? All dialysis facilities should report COVID-19 data to NHSN.

- We are an in-center facility, and we also have a Home and PD program using the same CCN. How should we report our census data? Facilities should report their in-center patients under the in-center questions and their Home and PD patients under Home census. Patients who reside in long-term care facilities or nursing homes and dialysis is performed in the LTC should be reported under Home census. Patients who are from LTCs or nursing homes and receive dialysis in-center would be reported under in-center census.
The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.