Appendix D: Data Collection Forms, Part 2: CDC National Surveillance of Dialysis-Associated Diseases Forms

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Note: The 1996 CDC form is not available. The CDC did not conduct a study in 1998. Beginning with the 2005 Researcher’s Guide, there are no more CDC National Surveillance surveys. All data for the CDC variables are missing from this date and beyond.
### NATIONAL SURVEILLANCE OF DIALYSIS-ASSOCIATED DISEASES, 1993

For the Time Period January 1, 1993-December 31, 1993

#### SEPTICEMIA

**MANAGEMENT**

**Centers for Disease Control and Prevention**

U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Centers for Disease Control and Prevention (CDC)

Atlanta, Georgia 30333

**ATTACHED INSTRUCTION SHEET**

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#### PATIENTS - SEROLOGIC TESTING AND CENSUS

1. How often does your facility routinely test seronegative (i.e., HBsAg and anti-HBs negative) patients for HBsAg?

   - 0 None
   - 1 Monthly
   - 2 Bimonthly
   - 3 Quarterly
   - 4 Semi-annually
   - 5 Other

2. During 1993, how many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were dialyzed in your center for at least 1 month?

   - (19-21)

   a. During 1993, how many of these patients became hepatitis B surface ANTIGEN (HBsAg) positive?

   - (22-24)

   b. How many of these patients had EVER in their lives received all 3 doses of hepatitis B vaccine?

   - (25-27)

   c. During 1993, how many of these patients were diagnosed as having acute non-A, non-B hepatitis / hepatitis C (e.g., at least 2 sets of liver enzymes > 2 1/2 times upper limit of normal 1 week apart and excluding other causes of hepatitis)?

   - (28-30)

3. From December 6-12, 1993, how many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were dialyzed in your center? (include only patients dialyzed for at least one month)

   - (31-33)

   a. How many of these patients were hepatitis B surface ANTIGEN (HBsAg) positive?

   - (34-36)

   b. Were all or almost all of these patients tested for hepatitis B surface ANTIBODY (anti-HBs)?

   - (37)

   1) If yes, how many were positive?

   - (38-40)

   c. Were all or almost all of these patients tested for hepatitis C antibody?

   - (41)

   1) If yes, how many were positive?

   - (42-44)

#### MANAGEMENT OF HBsAg-POSITIVE PATIENTS

4. Does your facility provide dialysis for non-transient patients who are, or become, HBsAg-positive?

   - Yes
   - No

   If Yes, a. Is there a separate room for these patients?

   - Yes
   - No

   b. Do you use a separate machine for these patients?

   - Yes
   - No

#### STAFF - SEROLOGIC TESTING AND CENSUS

5. During 1993, how many full-time and part-time staff who had direct contact with patients or equipment were employed for at least one month?

   - (48-50)

   a. During 1993, how many of these became hepatitis B surface ANTIGEN (HBsAg) positive?

   - (51-53)

   b. How many of these staff were hepatitis B surface ANTIBODY (anti-HBs)?

   - (54-56)

   1) If yes, how many were positive?

   - (57-59)

6. From December 6-12, 1993, how many full-time and part-time staff who had direct contact with patients or equipment were employed in your facility?

   - (60-62)

   a. How many of these staff tested for hepatitis B surface ANTIBODY (anti-HBs)?

   - (63-66)

   1) If yes, how many were positive?

   - (67-69)

   c. Were all or almost all of these staff tested for hepatitis C antibody?

   - (70)

   1) If yes, how many were positive?

   - (71-73)

#### SEPTICEMIA AND PYROGENIC REACTIONS RELATED ONLY TO DIALYSIS

7. How many cases of dialysis-related septicemia (i.e., NO KNOWN infection at start of dialysis session, and positive blood cultures during or within 2 hours after dialysis) did you observe in patients in 1993?

   - None
   - One
   - 2-10
   - More than 10

8. How many cases of pyrogenic reactions (onset of rigor or temperature > 100°F during dialysis) did you observe in patients during 1992?

   - None
   - One
   - 2-10
   - More than 10

1) If you observed more than one case, did any of these occur in clusters (i.e., 2 or more in a short period of time)?

   - Yes
   - No
DIALYSIS POLICIES AND PRACTICES
5. Specify the dialyzer membranes used on your patients. (check all that apply)
   6. Polysarcionitrile (PAN) 7. Polysulfone 8. PMMA 9. Other (Specify)

10. During 1993, what percent of your hemodialysis patients were treated with the following:
   a. Reused dialyzers? __________ percent
   b. High flux dialysis (dialyzer UFR ≥ 20)? __________ percent
   c. High efficiency dialysis (dialyzer UFR 10-19)? __________ percent
   d. Acetate dialysis? __________ percent
   e. Bicarbonate dialysis? __________ percent

DIALYSIS TECHNIQUES AND DISEASE CONTROL MEASURES
11. During 1993, did any hemodialysis patients experience reactions that were attributed to the use of NEW dialyzers? (116) 1. Yes 2. No
12. Does your facility routinely reuse blood lines? (117) 1. Yes 2. No
13. Does your facility routinely reuse transducer filters? (118) 1. Yes 2. No
14. Does your facility reuse dialyzers for some patients? (119) 1. Yes 2. No
    If yes,
    a. Do you reuse either the original or replacement dialyzer caps? (120) 1. Yes 2. No
    b. Are these dialyzers reprocessed by an: (121) 1. Automatic system 2. Manual system 3. Both
       CHOOSE ONE
       (122-123) 1. Formaldehyde 2. Glutaraldehyde (Dialide, Sporicidin) 3. Renalin 4. Other (Specify)_
       c. What germicide is used to disinfect these dialyzers?
       (124) 1. 0.1% 2. 1.1-3.9% 3. ≥4.0%
    d. If you use formaldehyde to disinfect dialyzers, specify:
       1.) Percentage concentration: (125) 1. ≤1% 2. 1.1-3.9% 3. ≥4.0%
       2.) Storage temperature: (126) 1. Room temp 2. ≥40°C 3. Other (specify)
    e. What is the average number of times a dialyzer is reused in your facility? (127-128)
    f. What is the maximum number of times a dialyzer was ever reused in your facility in 1993? (129-131)
15. What type of water treatment do you use? CHECK ALL THAT APPLY
   (132-133) 1. None 2. Softening 3. Deionization (DI) 4. Reverse Osmosis (RO)
   5. Ultraviolet (UV) 6. Submicron Filtration 7. Carbon Filtration 8. Other (Specify)
16. How often do you disinfect your water distribution system on a routine basis?
17. During 1993, how many hemodialysis patients used a subclavian, supraclavicular or a jugular catheter as permanent
   (i.e., not only while awaiting grafts) vascular access for hemodialysis? (if none, answer 0) (141-144)
18. Type of formal record-keeping system used to keep track of dialysis-associated diseases on patients: (check both 1 and 2 if you used both)
   (145-146) 1. Computer database 2. Written records or log other than patient chart 3. No formal system
   a. If you have a formal record-keeping system, check all that are included.

ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)
19. During 1993, how many of your chronic in-center hemodialysis patients had clinical SYMPTOMS of HIV infection, including AIDS? (153-154)
20. During 1993, how many of your chronic in-center hemodialysis patients had NO SYMPTOMS, but were serologically
   positive for antibody to HIV by BOTH a screening and a confirmatory test such as Western Blot? (155-156)
21. On ADMISSION, are all patients routinely tested for antibody to HIV? (157) 1. Yes 2. No
22. AFTER admission, are all patients periodically screened for antibody to HIV? (158) 1. Yes 2. No

COMMENTS:

PERSON TO CONTACT AT YOUR FACILITY REGARDING THIS SURVEY:

Phone ( )

FAX ( )

PLEASE PRINT

This questionnaire is authorized by law (Public Health Service Act, 42 USC 244). Public reporting burden for this collection of information is estimated to average 35 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate and any other aspect of this collection of information, including suggestions for reducing this burden to PHS Reports Clearance Officer; ATTN: PRA; Hubert H. Humphrey Bld., Rm. 721-B, 200 Independence Ave., SW; Washington, DC 20201, and to the Office of Management and Budget; Paperwork Reduction Project (0920-0020). Washington, DC 20503.
### PATIENTS - SEROLOGIC TESTING AND CENSUS

1. How often does your facility routinely test seronegative (i.e., HBsAg and anti-HBs negative) patients for HBsAg?
   - 0 [ ] No routine testing
   - 1 [ ] Monthly
   - 2 [ ] Bimonthly
   - 3 [ ] Quarterly
   - 4 [ ] Semi-annually
   - 5 [ ] Other

2. During 1994, how many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were dialyzed in your center (include only patients dialyzed for at least 1 month)?
   - (19-21)

   a. During 1994, how many of these patients became hepatitis B surface ANTIGEN (HBsAg) positive?
   - (22-24)

   b. How many of these patients had EVER in their lives received at least 3 doses of hepatitis B vaccine?
   - (25-27)

   c. During 1994, how many of these patients were diagnosed as having ACUTE non-A, non-B hepatitis / hepatitis C (e.g., at least 2 sets of liver enzymes > 2 1/2 times upper limit of normal 1 week apart and excluding other causes of hepatitis)?
   - (28-30)

3. From December 5-11, 1994, how many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were dialyzed in your center (include only patients dialyzed for at least 1 month)?
   - (31-33)

   a. How many of these patients were hepatitis B surface ANTIGEN (HBsAg) positive?
   - (34-36)

   b. Were all or almost all of these patients tested for hepatitis B surface ANTIBODY (anti-HBs) during 1994?
   - (37) 1 [ ] Yes 2 [ ] No

   c. If yes, how many were positive?
   - (38-40)

   d. Were all or almost all of these patients tested for hepatitis C antibody during 1994?

   e. If yes, how many were positive?
   - (41) 1 [ ] Yes 2 [ ] No

4. Does your facility provide dialysis for non-transient patients who are, or become, HBsAg-positive?
   - (42-44)

   a. If Yes: a. Is there a separate room for these HBsAg-positive patients?
   - (45) 1 [ ] Yes 2 [ ] No

   b. Do you use a separate machine for these HBsAg-positive patients?
   - (46) 1 [ ] Yes 2 [ ] No

   c. Do you have separate staff for these HBsAg-positive patients?
   - (47) 1 [ ] Yes 2 [ ] No

### STAFF - SEROLOGIC TESTING AND CENSUS

5. During 1994, how many full-time and part-time staff who had direct contact with patients or equipment were employed for at least one month?
   - (49-51)

   a. During 1994, how many of these staff became hepatitis B surface ANTIGEN (HBsAg) positive?
   - (52-54)

   b. How many of these staff had EVER in their lives received at least 3 doses of hepatitis B vaccine?
   - (55-57)

   c. During 1994, how many of these staff were diagnosed as having ACUTE non-A, non-B hepatitis / hepatitis C (e.g., at least 2 sets of liver enzymes > 2 1/2 times upper limit of normal 1 week apart and excluding other causes of hepatitis)?
   - (58-60)

6. From December 5-11, 1994, how many full-time and part-time staff who had direct contact with patients or equipment were employed in your facility?
   - (61-63)

   a. How many of these staff were hepatitis B surface ANTIGEN (HBsAg) positive?
   - (64-66)

   b. Were all or almost all of these staff tested for hepatitis B surface ANTIBODY (anti-HBs) during 1994?
   - (67) 1 [ ] Yes 2 [ ] No

   c. If yes, how many were positive?
   - (68-70)

   d. Were all or almost all of these staff tested for hepatitis C antibody during 1994?

   e. If yes, how many were positive?
   - (71) 1 [ ] Yes 2 [ ] No

### SEPTICEMIA AND PYROGENIC REACTIONS RELATED ONLY TO DIALYSIS

7. How many cases of dialysis-related septicemia (i.e., NO KNOWN infection at start of dialysis session, and positive blood cultures during or within 2 hours after dialysis) did you observe in patients in 1994?
   - (72) 1 [ ] None 2 [ ] One 3 [ ] 2-10 4 [ ] More than 10

   How many cases of pyrogenic reactions (onset of rigors or temperature > 100°F during dialysis) in the absence of septicemia did you observe in patients during 1994?
   - (73) 1 [ ] None 2 [ ] One 3 [ ] 2-10 4 [ ] More than 10

   a. If you observed more than one case, did any of these occur in clusters (i.e., 2 or more in a short period of time)?
   - (74) 1 [ ] Yes 2 [ ] No
**DIALYSIS POLICIES AND PRACTICES**

1. Specify the dialyzer membranes used on your patients. (check all that apply)
   - Cuprophan
   - Hemophan
   - Cellulose acetate (CA)
   - Regenerated cellulose (RC)
   - Cellulose tricarbonate
   - Polyacrylonitrile (PAN)
   - Polysulfone
   - PMMA
   - Other (Specify)

   During 1994, what PERCENT of your hemodialysis patients were treated with the following:
   - a. Reused dialysers? ...............................................................
   - b. High flux dialysis (dialyzer UFR ≥ 20)? ........................
   - c. High efficiency dialysis (dialyzer UFR 10-19)? ...........
   - d. Acetate dialysis? ...............................................................
   - e. Bicarbonate dialysis? ...........................................................

**DIALYSIS TECHNIQUES AND DISEASE CONTROL MEASURES**

11. During 1994, did any hemodialysis patients experience reactions that were attributed to the use of NEW dialyzers? ...........
12. Does your facility routinely reuse blood lines? ......................
13. Does your facility routinely reuse transducer filters? ..............
14. Does your facility reuse dialyzers for some patients? ............... If Yes,
   a. Do you reuse either the original or replacement blood port dialyzer caps? 
   b. Are these dialyzers reprocessed by an: ..............................
   c. What germicide is used to disinfect these dialyzers? CHOOSE ONE
   - Formaldehyde
   - Glutaraldehyde (Dialdehyde, Sporicidin)
   - Renalin
   - Other (Specify)
   d. If you use formaldehyde to disinfect dialyzers, specify:
      1.) Percentage concentration: ..............................................
      2.) 1% 3.) 1.1-3.9% 4.) ≥4.0%
   e. What is the average number of times a dialyzer is reused in your facility? .....
   f. What is the maximum number of times a dialyzer was ever reused in your facility in 1994? .......................................................... 
15. What type of water treatment do you use? CHECK ALL THAT APPLY
   - None
   - Softening
   - Deionization (DI)
   - Reverse Osmosis (RO)
   - Ultraviolet (UV)
   - Submicron Filtration
   - Carbon Filtration
   - Other (Specify)
16. How often do you disinfect your water distribution system on a routine basis? .........
17. During 1994, did any of your patients use a subclavian, supraclavicular, or a jugular catheter as permanent access for hemodialysis? (do NOT include temporary catheters) ...........
18. Type of formal record-keeping system used to keep track of dialysis-associated diseases on patients: (check both 1 and 2 if you used both)
   - Computer database
   - Written log other than patient chart
   - No formal system
   a. If you have a formal record-keeping system, check all that are included.
      - Pyrogenic reactions
      - Septicemia
      - Shunt infections
      - HbsAg
      - Anti-HBs
      - Hepatitis C antibody

**ACQUIRED IMMUNODEFICIENCY SYNDROME (AIDS)**

19. During 1994, how many of your chronic in-center hemodialysis patients had clinical SYMPTOMS of HIV infection, including AIDS? ...........
20. During 1994, how many of your chronic in-center hemodialysis patients had NO SYMPTOMS, but were serologically positive for antibody to HIV by BOTH a screening and a confirmatory test such as Western Blot? ...........
21. On ADMISSION, are all patients routinely tested for antibody to HIV? ...........
22. AFTER admission, are all patients periodically screened for antibody to HIV? ...........

**COMMENTS:**

- **PERSON TO CONTACT AT YOUR FACILITY REGARDING THIS SURVEY:** (PLEASE PRINT)
  - Phone ( )
  - Fax ( )

**NOTE:** This questionnaire is authorized by law (Public Health Service Act, 42 US 2411). Public reporting burden for this collection of information is estimated to average 35 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to the.biz Reports Clearance Officer: ATTN: PRA; Hubert H. Humphrey Bldg., Rm. 721-B; 200 Independence Ave., SW, Washington, DC 20501; and to the Office of Management and Budget: Paperwork Reduction Placed (0920-0023B). Washington, DC 20503. 20-0023B. Washington, DC 20503.
### PATIENTS - SEROLOGIC TESTING AND CENSUS

1. How often does your facility routinely test seronegative (i.e., HBsAg and anti-HBs negative) patients for HBsAg?
   - 0 No routine testing
   - 1 Monthly
   - 2 Every other month
   - 3 Quarterly
   - 4 Semi-annually
   - 5 Other

2. During 1995, how many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were dialyzed in your center (include only patients dialyzed for at least 1 month)?
   - (19-21)...

   a. During 1995, how many of these patients BECAME hepatitis B surface ANTIGEN (HBsAg) positive?
   - (20-24)...

   b. How many of these patients had EVER in their lives received at least 3 doses of hepatitis B vaccine?
   - (25-27)...

   c. During 1995, how many of these patients were diagnosed as having ACUTE non-A, non-B hepatitis / hepatitis C (e.g., at least 2 sets of liver enzymes > 2 1/2 times upper limit of normal 1 week apart and excluding other causes of hepatitis)?
   - (28-30)...

   **NOTE:** This diagnosis should not be based on the hepatitis C antibody test alone.

3. From December 25-31, 1995, how many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were dialyzed in your center (include only patients dialyzed for at least one month)?
   - (31-32)...

   a. How many of these patients were hepatitis B surface ANTIGEN (HBsAg) positive?
   - (33-36)...

   b. Were all or almost all of these patients tested for hepatitis B surface ANTIBODY (anti-HBs) during 1995?
   - (37) 1 Yes 2 No

   1. If yes, how many were positive?
   - (38-40)...

   c. Were all or almost all of these patients tested for hepatitis C antibody during 1995?
   - (39) 1 Yes 2 No

   1. If yes, how many were positive?
   - (40-42)...

4. Does your facility provide dialysis for non-transient patients who are, or become, HBsAg-positive?
   - (41) 1 Yes 2 No

   If Yes: a. Is there a separate room for these HBsAg-positive patients?
   - (42) 1 Yes 2 No

   b. Do you use a separate machine for these HBsAg-positive patients?
   - (43) 1 Yes 2 No

   c. Do you have separate staff for these HBsAg-positive patients?
   - (44) 1 Yes 2 No

### STAFF - SEROLOGIC TESTING AND CENSUS

5. During 1995, how many full-time and part-time staff who had direct contact with patients or equipment were employed for at least one month?
   - (45-47)...

   a. During 1995, how many of these staff BECAME hepatitis B surface ANTIGEN (HBsAg) positive?
   - (48-50)...

   b. How many of these staff had EVER in their lives received at least 3 doses of hepatitis B vaccine?
   - (51-53)...

   c. During 1995, how many of these staff were diagnosed as having ACUTE non-A, non-B hepatitis / hepatitis C (e.g., at least 2 sets of liver enzymes > 2 1/2 times upper limit of normal 1 week apart and excluding other causes of hepatitis)?
   - (54-56)...

   **NOTE:** This diagnosis should not be based on the hepatitis C antibody test alone.

6. From December 25-31, 1995, how many full-time and part-time staff who had direct contact with patients or equipment were employed in your facility?
   - (57-59)...

   a. How many of these staff were hepatitis B surface ANTIGEN (HBsAg) positive?
   - (60-62)...

   b. Were all or almost all of these staff tested for hepatitis B surface ANTIBODY (anti-HBs) during 1995?
   - (63) 1 Yes 2 No

   1. If yes, how many were positive?
   - (64-66)...

   c. Were all or almost all of these staff tested for hepatitis C antibody during 1995?
   - (67) 1 Yes 2 No

   1. If yes, how many were positive?
   - (68-70)...

### DIALYSIS POLICIES AND PRACTICES

7. Specify the dialyzer membranes used on your patients. (check all that apply)
   - Cuprophan®
   - Hemophan
   - Cellulose acetate (CA)
   - Regenerated cellulose (RC)
   - Cellulose triacetate
   - Polycrylonitrile (PAN)
   - Polysulfone
   - PMMA
   - Other (Specify):

8. On the list above (question 7), CIRCLE the dialyzer membrane you use MOST COMMONLY. (80) [New field]
**DIALYSIS POLICIES AND PRACTICES (continued)**

9. During December 25–31, 1995, what PERCENT of your hemodialysis patients were treated with:
   
   a. High flux dialysis (dialyzer UFR ≥ 20) ..............................................................
   b. High efficiency dialysis (dialyzer UFR 10-19) ......................................................
   c. Acetate dialysis .........................................................................................................
   d. Bicarbonate dialysis .................................................................................................

10. During December 25–31, 1995, what PERCENT of your hemodialysis patients received hemodialysis through:
    
    a. AV graft ....................................................................................................................
    b. AV fistula ..................................................................................................................
    c. Central (subclavian or jugular) catheter .................................................................

11. In 1995 did your facility reuse dialyzers for some or all patients?.........

   a. During December 25–31, 1995, what PERCENT of your hemodialysis patients were treated with reused dialyzers? ..........................................................
   b. Are these dialyzers reprocessed by an:
      
      (1) Automatic system or 2 Manual/semiautomatic system or 3 Both
   c. What method is used to disinfect these dialyzers? CHOOSE ONE
      
      (1) Formaldehyde (formalin) 2 Glutaraldehyde (Dialdehyde) 3 Renalin 4 Heat 5 Other (Specify)
   d. Is bleach also used to clean these dialyzers? ..........................................................
   e. What is the AVERAGE number of times a dialyzer was reused in your facility in 1995? ..........................................................
   f. What is the MAXIMUM number of times a dialyzer was ever reused in your facility in 1995? ..........................................................

12. What type of water treatment do you use? CHECK ALL THAT APPLY

   a. Septicemia .............................................................................................................
   b. High efficiency dialysis (dialyzer UFR ≥ 20) .........................................................
   c. Central (subclavian or jugular) catheter .................................................................

**OTHER DISEASES OR COMPLICATIONS**

13. During 1995, did any hemodialysis patients experience reactions that were attributed to the use of NEW dialyzers?........

14. How many cases of pyogenic reactions (onset of rigors or temperature > 100°F during dialysis) in the absence of
    septicemia did you observe in patients during 1995? ...........................................
    
    a. If you observed more than one case, did any of these occur in clusters (i.e., 2 or more within 48 hours)?

15. During 1995, did any of your hemodialysis patients have:
    
    a. Active tuberculosis requiring treatment? .............................................................
    b. A positive culture for vancomycin-resistant enterococcus (VRE)?
    c. A positive culture for methicillin-resistant Staphylococcus aureus (MRSA)?

16. How many hemodialysis patients were treated with IV vancomycin during the month of December, 1995? ...........

17. Type of formal record-keeping system used to keep track of dialysis-associated diseases on patients: (check both 1 and 2 if you used both)

   a. If you have a formal record-keeping system, check all that are included.

18. If you have a formal system to track them, how many cases of the following occurred among hemodialysis patients during 1995?

   a. Septicemia .............................................................................................................
   b. Vascular access infections without septicemia .....................................................

**HIV and AIDS**

19. Among your chronic in-center hemodialysis patients treated during 1995, how many were known positive for HIV antibody? ...

   a. Of these HIV antibody-positive patients, how many were known to have AIDS? ....

20. On ADMISSION, are all patients routinely tested for antibody to HIV? ..................

21. AFTER admission, are all patients periodically screened for antibody to HIV? ........

**COMMENTS:**


**NAME, TITLE OF PERSON WHO COMPLETED THIS SURVEY:**

Please print

---

**LAST NAME (155-167) **

**FIRST NAME (168-170)**

---

Title: 1 Nurse 2 Technician 3 MD 4 Administrator 8 Other (Specify)
### PATIENTS - SEROLOGIC TESTING AND CENSUS

1. How often does your facility routinely test seronegative (i.e., HBsAg negative and anti-HBs negative) patients for HBsAg?
   - [ ] No routine testing
   - [ ] Monthly
   - [ ] Every other month
   - [ ] Quarterly
   - [ ] Semi-annually
   - [ ] Other

2. Answer a. and b. below about CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS treated by your center at any time during 1997:
   a. During 1997, how many of these patients converted from hepatitis B surface ANTIGEN (HBsAg) negative to positive (i.e., had newly acquired hepatitis B virus infection. **DO NOT include patients who were antigen positive before they were first dialyzed at your center)?**
   b. During 1997, how many of these patients were diagnosed as having NEWLY ACQUIRED non-A, non-B hepatitis / hepatitis C (e.g., at least 2 sets of liver enzymes > 2 1/2 times upper limit of normal at least 1 week apart and excluding other causes of hepatitis)?
   - **NOTE:** This diagnosis should not be based on the hepatitis C antibody test alone.

3. Answer a.-d. below about CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS assigned to your center as of Dec 25–31, 1997:
   a. How many of these patients had EVER in their lives received at least 3 doses of hepatitis B vaccine?
   b. How many of these patients were hepatitis B surface ANTIGEN (HBsAg) positive?
   c. Were all or almost all of these patients tested for hepatitis B surface ANTIBODY (anti-HBs) during 1997?
   d. Were all or almost all of these patients tested for hepatitis C antibody during 1997?
   - **NOTE:** This is NOT hepatitis B core antibody.

4. Does your facility provide dialysis for chronic patients who are, or become, HBsAg-positive?
   - [ ] Yes
   - [ ] No

   If Yes: a. Is there a separate room for these HBsAg-positive patients?
   - [ ] Yes
   - [ ] No
   b. Do you use a separate machine for these HBsAg-positive patients?
   - [ ] Yes
   - [ ] No
   c. Do the staff that care for your HBsAg-positive patients also care for HBsAg-negative patients during the same shift?
   - [ ] Yes
   - [ ] No

### STAFF - SEROLOGIC TESTING AND CENSUS

Questions 5-6: include only staff who worked directly with hemodialysis patients or equipment (NOT dieticians, social workers, or physicians).

5. During 1997, how many full-time and part-time staff who had direct contact with patients or equipment were employed at your center?
   - [ ] No staff
   - [ ] Monthly
   - [ ] Every other month
   - [ ] Quarterly
   - [ ] Semi-annually
   - [ ] Other

   **Note:** (Do NOT include staff who were positive before they first worked at your center.)

   **a.** During 1997, how many of these staff converted from hepatitis B surface ANTIGEN (HBsAg) negative to positive?
   **b.** During 1997, how many of these staff were diagnosed as having NEWLY ACQUIRED non-A, non-B hepatitis / hepatitis C (i.e., at least 2 sets of liver enzymes > 2 1/2 times upper limit of normal at least 1 week apart and excluding other causes of hepatitis)?
   **NOTE:** This diagnosis should not be based on the hepatitis C antibody test alone.

6. During December 25-31, 1997, how many full-time and part-time staff who had direct contact with hemodialysis patients or equipment were employed at your center (include all staff employed as of that week, even if they were vacationing or not working during the week)?
   - [ ] No staff
   - [ ] Monthly
   - [ ] Every other month
   - [ ] Quarterly
   - [ ] Semi-annually
   - [ ] Other

   **a.** How many of these staff had EVER in their lives received at least 3 doses of hepatitis B vaccine?
   **b.** How many of these staff were hepatitis B surface ANTIGEN (HBsAg) positive?
   **c.** Were all or almost all of these staff tested for hepatitis B surface ANTIBODY (anti-HBs) during 1997?
   **d.** Were all or almost all of these staff tested for hepatitis C antibody during 1997?

   **NOTE:** This is NOT hepatitis B core antibody.

   **e.** If yes, how many were positive?

### DIALYSIS POLICIES AND PRACTICES

7. Specify the dialyzer membranes used on your patients. **(check all that apply)**
   1. [ ] Cuprophan®
   2. [ ] Hemophan
   3. [ ] Cellulose acetate (CA) or modified CA
   4. [ ] Regenerated cellulose (RC)
   5. [ ] Cellulose triacetate or diacetate
   6. [ ] Polycriconitrile (PAN)
   7. [ ] Polysulfone
   8. [ ] PMMA
   9. [ ] Other (Specify):

8. On the line above (question 7), **CIRCLE** the dialyzer membrane you use MOST COMMONLY. **(75)**
DIALYSIS POLICIES AND PRACTICES (continued)

9. During December 25-31, 1997, what PERCENT of your hemodialysis patients were treated with:
   a. High flux dialysis (dialyser UFR ≥ 20) ........................................... (76-78) ___ ___ %
   b. High efficiency dialysis (dialyser UFR 10-19) .................................. (70-81) ___ ___ %

10. During December 25-31, 1997, what PERCENT of your hemodialysis patients received hemodialysis through:
   a. AV graft ......................................................... (62-84) ___ ___ %
   b. AV fistula ..................................................... (65-87) ___ ___ %
   c. Central (subclavian or jugular) catheter ....................................... (68-90) ___ ___ %

11. In 1997 did your facility reuse dialyzers for some or all patients? ................. (94) 1 Yes 2 No
    If Yes, answer a-d: If No, go to question 12.
    a. Are these dialyzers reprocessed by an: 1 Automatic system or 2 Manual/semiautomatic system or 3 Other
    b. What method is used to disinfect these dialyzers? (4)  CHOOSE ONE
       1) Formaldehyde (formalin) 2) Glutaraldehyde (Diocid) 3) Renalin 4) Heat 5) Other (Specify)
    c. What is the AVERAGE number of times a dialyzer is reused in your facility in 1997? (97-98) ___ ___
    d. What is the MAXIMUM number of times a dialyzer was ever reused in your facility in 1997? (100-102) ___ ___

12. What type of water treatment do you use? (103-119)
    CHECK ALL THAT APPLY
    1) None 2) Softening 3) Deionization (DI) 4) Reverse Osmosis (RO)
    5) Ultraviolet (UV) 6) Submicron Filtration 7) Carbon Filtration 8) Other (Specify)

OTHER DISEASES OR COMPLICATIONS

13. During 1997, did any hemodialysis patients experience reactions that were attributed to the use of NEW dialyzers? .............. (111) 1 Yes 2 No

14. How many cases of pyrogenic reactions (onset of rigors or temperature >100°F during dialysis)
    in the absence of bacteremia did you observe in patients during 1997? .......... (112) 1 None 2 One 3) 2-10 4) More than 10
    a. If you observed more than one case, did any of these occur in clusters (i.e., 2 or more within 48 hours)? .......... (113) 1 Yes 2 No

15. During 1997, did any of your hemodialysis patients have:
    a. Active tuberculosis requiring treatment? ........................................ (114) 1 Yes 2 No
    b. A positive culture for vancomycin-resistant enterococcus (VRE)? .......................... (115) 1 Yes 2 No
    c. A positive culture for methicillin-resistant Staphylococcus aureus (MRSA)? .................. (116) 1 Yes 2 No

16. How many hemodialysis patients were treated with IV vancomycin during the MONTH of December, 1997? (117-119)

17. Type of formal record-keeping system used to keep track of dialysis-associated diseases on patients: (120-121) (check both 1 and 2 if you used both)
    1) Computer database 2) Written records or log other than patient chart 3) No formal system
    a. If you have a formal record-keeping system, check all that are included. (122-127)
       1) Pyrogenic reactions 2) Bacteremia 3) Vascular access infections 4) HBsAg 5) Anti-HBs 6) Hepatitis C antibody

18. If you have a formal system to track them, how many cases of the following occurred among chronic hemodialysis patients during the YEAR 1997?
    a. Bacteremia (positive blood culture) .................................................. (128-130) ___ ___
    b. Vascular access infections without bacteremia ........................................ (131-133) ___ ___

HIV and AIDS:

19. Among your chronic in-center hemodialysis patients treated during 1997, how many were known positive for HIV antibody? (134-136)
    Include patients known positive for HIV antibody, whether or not they had AIDS
    a. Of these HIV antibody-positive patients, how many were known to have AIDS? (137-139)

20. On ADMISSION, are all patients routinely tested for antibody to HIV? (140) 1 Yes 2 No
21. AFTER admission, are all patients periodically screened for antibody to HIV? (141) 1 Yes 2 No

COMMENTS:

— THANK YOU FOR YOUR PARTICIPATION — PLEASE RETURN COMPLETED FORM TO YOUR ESRD NETWORK OFFICE. — KEEP COPY 2 FOR YOUR RECORDS. — If you have questions, contact Elaine Miller at CDC, 1600 Clifton Rd. N.E.; M/S E-69; Atlanta, GA 30333 — Tel.: (404) 639-6422.

NAME, TITLE OF PERSON WHO COMPLETED THIS SURVEY:

Please PRINT

LAST NAME (142-153)

FIRST NAME (154-156)

PHYSICAL ADDRESS (157-165)

TITLE: 1) Nurse 2) Technician 3) MD 4) Administrator 5) Other (Specify) (166-168)

PHONE: (169-175) FAX: (176-182)
### Appendix I

**National Surveillance of Dialysis-Associated Diseases, 1999**

For the Time Period January 1, 1999-December 31, 1999

If you did not treat chronic non-transient in-center hemodialysis patients in 1999, do not fill out this form

OMB NO.0920-0033 Exp.Date: 09/30/2002

---

#### (5-10) Provider Number

Name of Facility

<table>
<thead>
<tr>
<th>Present Address</th>
<th>City</th>
<th>State</th>
<th>Zip Code</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

#### PATIENT DATA

1. How often does your facility routinely test seronegative (i.e., negative for hepatitis B surface antigen and hepatitis B surface antibody) patients for hepatitis B surface antigen (HBsAg)? (14-15)
   - [ ] No routine testing
   - [ ] Every month
   - [ ] Every 2 months
   - [ ] Every 3-6 months
   - [ ] Every 7-12 months
   - [ ] Other (specify)

2. Which of these best describes your center’s policy for hepatitis B vaccination of patients? (choose one) (16-17)
   - [ ] Offer vaccine to patients
   - [ ] Vaccine is offered to patients at individual physician’s office
   - [ ] Do not offer vaccine to patients
   - [ ] Other, specify

3. During 1999 did your facility offer the pneumococcal pneumonia vaccine to chronic in-center hemodialysis patients? (18)
   - [ ] Yes
   - [ ] No

   If Yes, how many of the chronic hemodialysis patients assigned to your center as of December 6-11, 1999, have in the last five years received the pneumococcal pneumonia vaccine?
   - [ ] Less than 25%
   - [ ] 25-49%
   - [ ] 50-74%
   - [ ] 75-100%
   - [ ] Unknown

4. During 1999 did your facility offer the influenza (flu) vaccine to chronic in-center hemodialysis patients? (20)
   - [ ] Yes
   - [ ] No

   If Yes, what percent of the chronic hemodialysis patients assigned to your center as of December 6-11, 1999, received the influenza (flu) vaccine during 1999?
   - [ ] Less than 25%
   - [ ] 25-49%
   - [ ] 50-74%
   - [ ] 75-100%
   - [ ] Unknown

5. During 1999, how many of your CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS converted from hepatitis B surface ANTIGEN (HBsAg) negative to positive (i.e., had newly acquired hepatitis B virus infection. Do not include patients who were antigen positive before they were first dialyzed in your center)? (22-24)

6. How many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were assigned to your center as of December 6-11, 1999? (25-27)
   - [ ] Between 1 and 5
   - [ ] 6-15
   - [ ] 16-25
   - [ ] More than 25

7. Of the patients counted in question 6, were all or almost all tested for hepatitis C antibody during 1999? (31)
   - [ ] Yes
   - [ ] No

   If Yes, how many were positive? (32-34)

8. During December 6-11, 1999, how many of your chronic hemodialysis patients received hemodialysis through: (Note: these numbers should add up to the number of patients in #6) (43-45)
   - [ ] AM graft
   - [ ] AV fistula
   - [ ] Cuffed catheter
   - [ ] Non-cuffed catheter

9. Of the patients with catheters (questions 8c and 8d above), how many are in each of the following categories? (Total should be the same as the number of catheter patients reported in 8c and 8d above):
   - New hemodialysis patient, awaiting fistula/graft
   - Established patient, fistula/graft failed, new fistula/graft planned
   - Established patient, fistula/graft placement impossible–catheter is only available access
   - Other, specify

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Public reporting burden of this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC, Project Clearance Officer, 1600 Clifton Road, MS D-24, Atlanta, GA 30333, ATTN: PRA (0920-0033). Do not send the completed form to this address.
DIALYSIS POLICIES AND PRACTICES

10. During December 6-11, 1999, how many of your hemodialysis patients were treated with these dialyzer types: (write in the number of patients)

a. High flux polysulfone (e.g. F60-F80) ............... (67-69) e. Cellulose triacetate (e.g. BaxterCT) ............... (79-81)
b. Regenerated cellulose, cuprophane (e.g. TerumoCL-CT, AsahiAM, BaxterCF, Gambro-Lundia) ............... (70-72) f. Hemophan (e.g. FoCus) ............... (82-84)
c. Low flux polysulfone (e.g. FS-F8) ............... (73-75) g. PMMA (e.g. Toray) ............... (85-87)
d. Cellulose acetate (e.g. BaxterCA110-210, AlthinMICA) ............... (76-78) h. Other (specify)

11. In 1999, did your facility reuse dialyzers for some or all patients? ...........................................(91) 1 ☐ Yes 2 ☐ No

If Yes:

11a. What method is used to disinfect the majority of these dialyzers? (CHOOSE ONE) (92-93)

☐ Formaldehyde (formalin) 2 ☐ Glutaraldehyde (Diacide)
☐ Peracetic acid (e.g., Renalin, and others) 4 ☐ Heat
☐ Amuchina 6 ☐ Other (SPECIFY)

11b. Is bleach also used to clean the inside of these dialyzers? ............................................. (94) 1 ☐ Yes 2 ☐ No

11c. Does your facility’s policy allow dialyzer reuse on patients who are positive for hepatitis C antibody (anti-HCV)?

(95-96) 1 ☐ Yes 2 ☐ No 3 ☐ Do not have any known anti-HCV positive patients

(Note: CDC guidelines permit dialyzer reuse for hepatitis C antibody-positive patients.)

12. At your center, where are medications from multidose vials most commonly drawn into syringes to prepare for patient administration? (CHOOSE ONLY ONE)

1 ☐ In a separate medication room or in a medication area separate from the dialysis stations (97-98)
2 ☐ At the dialysis stations
3 ☐ On a medication cart which is wheeled from patient dialysis station to dialysis station

DISEASES OR COMPLICATIONS

13. During the year 1999, how many of your hemodialysis patients were known to have a positive culture for vancomycin-resistant enterococcus (VRE)?

(99) 0 ☐ None 1 ☐ 1-4 2 ☐ 5-9 3 ☐ $10

13a. If you treated VRE-positive patients, do you treat them in a room separate from VRE-negative patients?

(100) 0 ☐ Never 1 ☐ Sometimes 2 ☐ Always

14. During 1999 did you perform rectal swabs or stool cultures on some patients to check for VRE at your center?

(Do not include cultures done while a patient was hospitalized) (101) 1 ☐ Yes 2 ☐ No

15. During the year 1999 did any of your hemodialysis patients have a positive culture for methicillin-resistant Staphylococcus aureus (MRSA)?

(102) 1 ☐ Yes 2 ☐ No

16. How many hemodialysis patients were treated with IV vancomycin during the MONTH of December 1999?

(Write in number of patients treated, NOT number of doses of vancomycin) (103-105) ____________

17. At your center, has there been an attempt to insure that antibiotics are used appropriately?

(106) 1 ☐ Yes 2 ☐ No

If Yes, circle all measures that have been implemented: (107-112)

☐ A written policy on antibiotic use 2 ☐ Reason for antibiotic must be recorded in chart or on order form
☐ Automatic stop order (antibiotic must be reordered at intervals) 4 ☐ Approval needed for use of certain antibiotics
☐ Formulary restriction (only selected antibiotics are available) 6 ☐ Other, specify ______________

18. Among the chronic hemodialysis patients assigned to your center as of December 6-11, 1999, how many were known positive for HIV antibody? Include only chronic in-center hemodialysis patients .............................................. (113-115) ____________

18a. Of these HIV antibody positive patients, how many were known to have AIDS? .............................................. (116-118) ____________

STAFF MEMBERS

19. How many full-time and part-time staff were employed in your facility the week of December 6-11, 1999? Include only staff who had direct contact with hemodialysis patients or equipment .............................................. (119-121) ____________

19a. How many of these staff had ever in their lives received at least 3 doses of hepatitis B vaccine? .............................................. (122-124) ____________

19b. Were all or almost all of these staff tested for hepatitis C antibody (anti-HCV) during 1999? .............................................. (125) 1 ☐ Yes 2 ☐ No

(Note-this is not hepatitis B core antibody)

19b1) If Yes, how many were positive for hepatitis C antibody? .............................................. (126-128) ____________

Comments:

NAME OF PERSON WHO COMPLETED THIS SURVEY

Please PRINT: .................. .................. .................. .................. .................. .......... FIRST NAME (140 -150)

Phone: ( ___-___ ) ___-___-_______ Fax: ( ___-___ ) ___-___-_______

(151-160) (161-170)

Comments:

Send Copy 1 of the completed form to your ESRD Network office. Keep Copy 2 for your own records. DO NOT SEND FORM TO CDC.

Call Elaine Miller (404-639-6422) with questions. Use of trade names is for identification only and does not constitute endorsement by the Public Health Service or the U.S. Department of Health and Human Services.
National Surveillance of Dialysis-Associated Diseases, 2000
For the Time Period January 1, 2000-December 31, 2000
If you did not treat chronic non-transient in-center hemodialysis patients in 2000, do not fill out this form
OMB No. 0920-0033 Exp Date: 09/30/2002

### PATIENT DATA

1. How often does your facility routinely test seronegative (i.e., negative for hepatitis B surface antigen and hepatitis B surface antibody) patients for hepatitis B surface antigen (HBsAg)?

<table>
<thead>
<tr>
<th>Option</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ No routine testing</td>
<td></td>
</tr>
<tr>
<td>1 □ Every month</td>
<td></td>
</tr>
<tr>
<td>2 □ Every 2 months</td>
<td></td>
</tr>
<tr>
<td>3 □ Every 3-6 months</td>
<td></td>
</tr>
<tr>
<td>4 □ Every 7-12 months</td>
<td></td>
</tr>
<tr>
<td>5 □ Other (specify)</td>
<td></td>
</tr>
</tbody>
</table>

2. Which of these best describes your center’s practice for hepatitis B vaccination of patients: (choose one)

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 □ Offer vaccine to patients</td>
<td></td>
</tr>
<tr>
<td>2 □ Vaccine is offered to patients at individual physician’s office</td>
<td></td>
</tr>
<tr>
<td>3 □ Do not offer vaccine to patients</td>
<td></td>
</tr>
</tbody>
</table>

3. During 2000 did your facility offer the pneumococcal pneumonia vaccine to chronic in-center hemodialysis patients?

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
</tr>
<tr>
<td>1 □ Yes</td>
<td></td>
</tr>
</tbody>
</table>

3a. If Yes, what percent of the chronic hemodialysis patients assigned to your center as of December 4-9, 2000, have in the last five years received the pneumococcal pneumonia vaccine?

<table>
<thead>
<tr>
<th>Percent</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ less than 25%</td>
<td></td>
</tr>
<tr>
<td>1 □ 25-49%</td>
<td></td>
</tr>
<tr>
<td>2 □ 50-74%</td>
<td></td>
</tr>
<tr>
<td>3 □ 75-100%</td>
<td></td>
</tr>
<tr>
<td>4 □ Unknown</td>
<td></td>
</tr>
</tbody>
</table>

4. During 2000 did your facility offer the influenza (flu) vaccine to chronic in-center hemodialysis patients?

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
</tr>
<tr>
<td>1 □ Yes</td>
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</tbody>
</table>

4a. If Yes, what percent of the chronic hemodialysis patients assigned to your center as of December 4-9, 2000, received the influenza (flu) vaccine during 2000?

<table>
<thead>
<tr>
<th>Percent</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ less than 25%</td>
<td></td>
</tr>
<tr>
<td>1 □ 25-49%</td>
<td></td>
</tr>
<tr>
<td>2 □ 50-74%</td>
<td></td>
</tr>
<tr>
<td>3 □ 75-100%</td>
<td></td>
</tr>
<tr>
<td>4 □ Unknown</td>
<td></td>
</tr>
</tbody>
</table>

5. During 2000, how many of your CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS converted from hepatitis B surface ANTIGEN (HBsAg) negative to positive (i.e. had newly acquired hepatitis B virus infection. Do not include patients who were antigen positive before they were first dialyzed in your center)?

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
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<tr>
<td>1 □ Yes</td>
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</table>

6. How many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were assigned to your center as of December 4-9, 2000?

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>0 □ No</td>
<td></td>
</tr>
<tr>
<td>1 □ Yes</td>
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</table>

6a. Of the patients counted in question 6, how many had ever in their lives received at least 3 doses of hepatitis B vaccine?

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<tr>
<th>Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>0 □ No</td>
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<tr>
<td>1 □ Yes</td>
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</table>

6b. Of the patients counted in question 6, were all or almost all tested for hepatitis B surface ANTIBODY (anti-HBs) during 2000?

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
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<tr>
<td>1 □ Yes</td>
<td></td>
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</table>

6b1. If Yes, how many were positive?

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
</tr>
<tr>
<td>1 □ Yes</td>
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</tbody>
</table>

6c. Of the patients counted in question 6, how many were hepatitis B surface antigen (HBsAg) positive?

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
</tr>
<tr>
<td>1 □ Yes</td>
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</tbody>
</table>

7. Of the patients counted in question 6, were all or almost all tested for hepatitis C antibody during 2000?

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
</tr>
<tr>
<td>1 □ Yes</td>
<td></td>
</tr>
</tbody>
</table>

7a. If Yes, how many were positive for hepatitis C antibody?

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
</tr>
<tr>
<td>1 □ Yes</td>
<td></td>
</tr>
</tbody>
</table>

7b. If Yes, how many tested positive for hepatitis C antibody in 2000 who had previously tested negative?

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 □ No</td>
<td></td>
</tr>
<tr>
<td>1 □ Yes</td>
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</tbody>
</table>

8. During December 4-9, 2000, how many of your chronic hemodialysis PATIENTS received hemodialysis through:

<table>
<thead>
<tr>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 a. AV graft</td>
<td></td>
</tr>
<tr>
<td>8 b. AV fistula</td>
<td></td>
</tr>
<tr>
<td>8 c. Cuffed catheter</td>
<td></td>
</tr>
<tr>
<td>8 d. Non-cuffed catheter</td>
<td></td>
</tr>
</tbody>
</table>

9. Of the patients with catheters (questions 8c and 8d above), how many are in each of the following categories:

<table>
<thead>
<tr>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>New hemodialysis patient, awaiting fistula/graft insertion or maturity</td>
<td></td>
</tr>
<tr>
<td>Established patient, fistula/graft failed, new fistula/graft planned or not yet mature</td>
<td></td>
</tr>
<tr>
<td>Established patient, fistula/graft placement impossible--catheter is only available access</td>
<td></td>
</tr>
<tr>
<td>Other, specify</td>
<td></td>
</tr>
</tbody>
</table>

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**DIALYSIS POLICIES AND PRACTICES**

10. In 2000, did your facility reuse dialyzers for some or all patients? [ ] Yes (80) 1 □ Yes 2 □ No
   - If Yes, [ ] Formaldehyde (formalin) [ ] Glutaraldehyde (Diacide)
   - 1 □ Peracetic acid (e.g., Renalin, and others) [ ] Heat
   - 5 □ Other (specify)

10a. What method is used to disinfect the majority of these dialyzers? [ ] Formaldehyde (formalin) [ ] Glutaraldehyde (Diacide) [ ] Peracetic acid (e.g., Renalin, and others) [ ] Heat [ ] Other (specify)

10b. Is bleach also used to clean the inside of these dialyzers? [ ] Yes [ ] No [ ] Other (specify)

10c. Does your facility's policy allow dialyzer reuse on patients who are positive for hepatitis C antibody (anti-HeV)?
   - [ ] Yes [ ] No [ ] Other (specify)

10d. Where are dialyzers reprocessed? [ ] Yes 2 □ No 3 □ Do not have any known anti-HeV positive patients
   - (Note: CDC guidelines permit dialyzer reuse for hepatitis C antibody-positive patients.)

11. At your center, where are medications from multidose vials most commonly drawn into syringes to prepare for patient administration? (choose only one)
   - [ ] In a separate medication room or in a medication area separate from the treatment area
   - [ ] At the dialysis stations
   - [ ] On a medication cart within the treatment area

**DISEASES OR COMPLICATIONS**

12. During the year 2000, how many of your hemodialysis patients were known to have a positive culture for vancomycin-resistant enterococcus (VRE)? [ ] None 1 □ 1-4 2 □ 5-9 3 □ ≥10

12a. If you treated VRE-positive patients, do you treat them in a room separate from VRE-negative patients? [ ] Yes 2 □ No 3 □ Sometimes 4 □ Always

13. During 2000 did you perform rectal swabs or stool cultures on some patients to check for VRE at your center? (do not include cultures done while a patient was hospitalized) [ ] Yes 2 □ No

14. During the year 2000 did any of your hemodialysis patients have a positive culture for methicillin-resistant Staphylococcus aureus (MRSA)? [ ] Yes 2 □ No

15. At your center, was there an attempt during the year 2000 to insure that antibiotics are used appropriately? [ ] Yes 2 □ No
   - [ ] A written policy on antibiotic use
   - [ ] Automatic stop order (antibiotic must be reordered at intervals)
   - [ ] Formulary restriction (only selected antibiotics are available)

16. Among the chronic hemodialysis patients assigned to your center as of December 4-9, 2000, how many were known positive for HIV antibody? Include only chronic in-center hemodialysis patients
   - 1 □ Yes 2 □ No
   - 16a. Of these HIV antibody positive patients, how many were known to have AIDS?

**STAFF MEMBERS**

17. How many full-time and part-time staff were employed in your facility the week of December 4-9, 2000? Include only staff who had direct contact with hemodialysis patients or equipment [ ] Yes 2 □ No
   - 17a. How many of these staff had ever in their lives received at least 3 doses of hepatitis B vaccine? [ ] Yes 2 □ No
   - (Note: This is not hepatitis B core antibody) 1 □ Yes 2 □ No

17b. Were all or almost all of these staff tested for hepatitis C antibody (anti-HeV) during 2000? [ ] Yes 2 □ No
   - 17b1. If Yes, how many were positive for hepatitis C antibody?

Comments:

**NAME OF PERSON WHO COMPLETED THIS SURVEY**

Please PRINT: _____________________________

LAST NAME (110-129)

Phone: ( _______ ) — — — — — — — — — —

FAX: ( _______ ) — — — — — — — — — —

FIRST NAME (130-160)

(CDC 53.2 Rev 7/00 (2 of 2) Copy 1 - CDC)
<table>
<thead>
<tr>
<th>Patient Data</th>
</tr>
</thead>
</table>
| 1. How often does your facility routinely test seronegative (i.e., negative for hepatitis B surface antigen and hepatitis B surface antibody) patients for hepatitis B surface antigen (HBsAg)? (Yes or No)  
   - Yes  
   - No  
   - Every month  
   - Every 2-12 months  
   - Other (Specify)  |
| 2. Which of these best describes your center's practice for hepatitis B vaccination of patients: (Choose one)  
   - Offer vaccine to patients  
   - Vaccine is offered to patients at individual physician's office  
   - Do not offer vaccine to patients  
   - Other |  
| 3. During 2001, did your facility offer the pneumococcal pneumonia vaccine to chronic in-center hemodialysis patients?  
   - 1D Yes  
   - 2D No  |
| 4. During 2001, did your facility offer the influenza (flu) vaccine to chronic in-center hemodialysis patients?  
   - 1D Yes  
   - 2D No  |
| 5. During 2001, how many of your CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS converted from hepatitis B surface ANTIGEN (HBsAg) negative to positive (i.e., had newly acquired hepatitis B virus infection)? Do not include patients who were antigen positive before they were first dialedyzed in your center?  
   - 1D Less than 25%  
   - 2D 25-49%  
   - 3D 50-74%  
   - 4D 75-100%  
   - 5D Unknown |
| 6. How many CHRONIC, NON-TRANSIENT in-center hemodialysis PATIENTS were assigned to your center as of December 3-8, 2001? (that is, what was your chronic non-transient in-center hemodialysis patient census for the week of December 3-8, 2001?)  
   - 1D Less than 25%  
   - 2D 25-49%  
   - 3D 50-74%  
   - 4D 75-100%  
   - 5D Unknown |
| 7. What percent of the chronic hemodialysis patients assigned to your center as of December 3-8, 2001, received the influenza (flu) vaccine during 2001?  
   - 1D Yes  
   - 2D No  |
| 8. During December 3-8, 2001, how many of your chronic hemodialysis PATIENTS received hemodialysis through:  
   - 1D AV graft  
   - 2D AV fistula  
   - 3D Cuffed catheter  
   - 4D Non-cuffed catheter |
| 9. Of the patients with cathers (questions 8c and 8d above), how many are in each of the following categories: (Total should be the same as the number of catheter patients reported in 8c and 8d above):  
   - New hemodialysis patient, awaiting fistula/graft insertion or maturation  
   - Established patient, fistula/graft failed, new fistula/graft planned or not yet mature  
   - Established patient, fistula/graft placement impossible—catheter is only available access  
   - Other, specify |  

**Note:** Reporting burden of this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. This form cannot be used for any other aspect of this collection of information, including suggestions for revising this burden in CDC. Project clearance officer, 1600 Clifton Road, MS-D-24, Atlanta, GA 30333. AITN: PRA (0920-0033). Do not send completed forms to this address.

(CDC 537 Rev 07/09/11 of D Division of Healthcare Quality Provision E.F.2)
### DIALYSIS POLICIES AND PRACTICES

<table>
<thead>
<tr>
<th>Question</th>
<th>Options</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Did your facility reuse dialyzers for some or all patients?</td>
<td>(Choose one)</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>10a. What method is used to disinfect the majority of these dialyzers?</td>
<td>(Choose one)</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>10b. What method is used to disinfect the inside of these dialyzers?</td>
<td>(Choose one)</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>10c. Does your facility's policy allow dialyzer reuse on patients who are positive for hepatitis C antibody (anti-HCV)?</td>
<td>(Note: CDC guidelines permit dialyzer reuse for hepatitis C antibody-positive patients.)</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>10d. Where are dialyzers reprocessed?</td>
<td>(Choose one)</td>
<td>1</td>
<td>2</td>
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<td>17a. How many of these staff had ever in their lives received at least 3 doses of hepatitis B vaccine?</td>
<td>(Note: This question includes only staff tested for hepatitis C antibody (anti-HCV) during 2001)</td>
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<td>17b. Were all or almost all of these staff tested for hepatitis C antibody (anti-HCV) during 2001?</td>
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### STAFF MEMBERS

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### NAME OF PERSON WHO COMPLETED THIS SURVEY

Please PRINT: 

LAST NAME: ___________________________ FIRST NAME: ___________________________

Phone: (____) _______ - _______ Fax: (____) _______ - _______
National Surveillance of Dialysis-Associated Diseases 2001
Instruction Sheet

This questionnaire should be completed only for Chronic In-Center Hemodialysis patients who were dialyzed in your facility in 2001. Do NOT complete this questionnaire if your facility only performs transplants or acute dialysis or if you have only peritoneal or home dialysis patients. When the questionnaire is completed, keep copy 2 for your records and return copy 1 to your ESRD Network office. For questions, please contact your ESRD Network office.

1. This question refers to your facility’s policy for hepatitis B surface ANTIGEN (HBsAg) screening of patients who have never been infected with hepatitis B or are not immune to hepatitis B.

3. If your facility does not offer pneumococcal pneumonia vaccine, respond “no” and omit question #3a. If your facility offers and tracks pneumococcal pneumonia vaccine status, report the total percent of patients who received the vaccine, NO MATTER WHERE THEY RECEIVED IT.

4. If your facility did not offer the influenza (flu) vaccine in 2001 respond “no” and omit question #4a. If your facility offers and tracks the influenza (flu) vaccine status, report the total percent of patients who received the vaccine, NO MATTER WHERE THEY RECEIVED IT.

5. How many of your chronic hemodialysis patients became newly INFECTED with the hepatitis B virus (seroconverted to hepatitis B surface ANTIGEN [HBsAg]) during 2001. This question does NOT refer to patients who seroconverted to hepatitis B surface ANTIBODY positive (anti-HBs) as a result of receiving the hepatitis B vaccination.

6a-c. These questions apply only to your chronic hemodialysis patients who were dialyzed Dec.3-8, 2001 (that is, to your patient census that week).

6a asks how many of the patients had EVER received at least 3 doses of hepatitis B vaccine.

6b asks if patients were tested for hepatitis B surface ANTIBODY during 2001.

6b1 asks how many were hepatitis B surface ANTIBODY positive (regardless of whether they tested antibody positive due to vaccine or to resolved infection).

6c asks how many patients were hepatitis B surface ANTIGEN positive. Being hepatitis B surface ANTIGEN positive means that the patient is acutely or chronically infected with the hepatitis B virus.

7a-b. These questions apply only to your chronic hemodialysis patients who were dialyzed Dec.3-8, 2001.

8. This question refers to the access actually being used to dialyze chronic hemodialysis patients the week of Dec.3-8, 2001.

9. “New hemodialysis patient” refers to someone who has been on hemodialysis less than 90 days.

“Awaiting fistula/graft insertion” means that a referral has been made to a surgeon with a plan to schedule the patient for a fistula or graft insertion.

“Awaiting maturity” means that the fistula or graft has been inserted but is not yet mature enough for use.

“Established patient, fistula/graft failed, new fistula/graft planned” means that a referral has been made to a surgeon with a plan to schedule the patient for a fistula or graft insertion since the previous fistula/graft failed.

10. If the answer to #10 is no, omit 10a-d.

11. Check the answer that best fits your practice, even if the answer it not worded exactly as your practice.

12-14. These questions refer to patients treated at any time during the year 2001.

16. If a screening test for HIV is positive, but the confirmatory test is negative, consider the patient HIV negative for this question.

16a. For this question, include only those HIV positive patients who have AIDS. The 1993 AIDS definition for adolescents and adults includes patients with an AIDS-indicator condition and/or a CD4+ T-lymphocyte count <200/ML or a CD4+ percentage <14.

17. Refers only to staff who worked directly with hemodialysis patients or equipment. Do not include dieticians, social workers, or physicians.

When the questionnaire is completed, keep copy 2 for your records and RETURN COPY 1 TO YOUR ESRD NETWORK OFFICE

THANK YOU FOR YOUR PARTICIPATION – IT IS GREATLY APPRECIATED