

LIST OF PRIMARY CAUSES OF END STAGE RENAL DISEASE

Item 15. Primary Cause of Renal Failure should be completed by the attending physician from the list below. Enter the ICD-9-CM code to indicate the primary cause of end stage renal disease. If there are several probable causes of renal failure, choose one as primary. **Code effective as of September 2003.**

ICD-9	NARRATIVE	ICD-9	NARRATIVE
DIABETES		CYSTIC/HEREDITARY/CONGENITAL DISEASES	
25040	Diabetes with renal manifestations Type 2	75313	Polycystic kidneys, adult type (dominant)
25041	Diabetes with renal manifestations Type 1	75314	Polycystic, infantile (recessive)
GLOMERULONEPHRITIS		75316	Medullary cystic disease, including nephronophthisis
5829	Glomerulonephritis (GN) (histologically not examined)	7595	Tuberous sclerosis
5821	Focal glomerulosclerosis, focal sclerosing GN	7598	Hereditary nephritis, Alport's syndrome
5831	Membranous nephropathy	2700	Cystinosis
58321	Membranoproliferative GN type 1, diffuse MPGN	2718	Primary oxalosis
58322	Dense deposit disease, MPGN type 2	2727	Fabry's disease
58381	IgA nephropathy, Berger's disease (proven by immunofluorescence)	7533	Congenital nephrotic syndrome
58382	IgM nephropathy (proven by immunofluorescence)	5839	Drash syndrome, mesangial sclerosis
5834	With lesion of rapidly progressive GN	75321	Congenital obstruction of ureteropelvic junction
5800	Post infectious GN, SBE	75322	Congenital obstruction of ureterovesical junction
5820	Other proliferative GN	75329	Other Congenital obstructive uropathy
SECONDARY GN/VASCULITIS		7530	Renal hypoplasia, dysplasia, oligonephronia
7100	Lupus erythematosus, (SLE nephritis)	75671	Prune belly syndrome
2870	Henoch-Schonlein syndrome	75989	Other (congenital malformation syndromes)
7101	Scleroderma	NEOPLASMS/TUMORS	
28311	Hemolytic uremic syndrome	1890	Renal tumor (malignant)
4460	Polyarteritis	1899	Urinary tract tumor (malignant)
4464	Wegener's granulomatosis	2230	Renal tumor (benign)
58392	Nephropathy due to heroin abuse and related drugs	2239	Urinary tract tumor (benign)
44620	Other Vasculitis and its derivatives	23951	Renal tumor (unspecified)
44621	Goodpasture's syndrome	23952	Urinary tract tumor (unspecified)
58391	Secondary GN, other	20280	Lymphoma of kidneys
INTERSTITIAL NEPHRITIS/PYELONEPHRITIS		20300	Multiple myeloma
9659	Analgesic abuse	20308	Other immuno proliferative neoplasms (including light chain nephropathy)
5830	Radiation nephritis	2773	Amyloidosis
9849	Lead nephropathy	99680	Complications of transplanted organ unspecified
5909	Nephropathy caused by other agents	99681	Complications of transplanted kidney
27410	Gouty nephropathy	99682	Complications of transplanted liver
5920	Nephrolithiasis	99683	Complications of transplanted heart
5996	Acquired obstructive uropathy	99684	Complications of transplanted lung
5900	Chronic pyelonephritis, reflux nephropathy	99685	Complications of transplanted bone marrow
58389	Chronic interstitial nephritis	99686	Complications of transplanted pancreas
58089	Acute interstitial nephritis	99687	Complications of transplanted intestine
5929	Urolithiasis	99689	Complications of other specified transplanted organ
27549	Other disorders of calcium metabolism	MISCELLANEOUS CONDITIONS	
HYPERTENSION/LARGE VESSEL DISEASE		28260	Sickle cell disease/anemia
40391	Unspecified with renal failure	28269	Sickle cell trait and other sickle cell (HbS/Hb other)
4401	Renal artery stenosis	64620	Post partum renal failure
59381	Renal artery occlusion	042	AIDS nephropathy
59383	Cholesterol emboli, renal emboli	8660	Traumatic or surgical loss of kidney(s)
		5724	Hepatorenal syndrome
		5836	Tubular necrosis (no recovery)
		59389	Other renal disorders
		7999	Etiology uncertain

INSTRUCTIONS FOR COMPLETION OF END STAGE RENAL DISEASE MEDICAL EVIDENCE REPORT MEDICARE ENTITLEMENT AND/OR PATIENT REGISTRATION

For whom should this form be completed:

This form **SHOULD NOT** be completed for those patients who are in acute renal failure. Acute renal failure is a condition in which kidney function can be expected to recover after a short period of dialysis, i.e., several weeks or months.

This form **MUST BE** completed within 45 days for **ALL** patients beginning any of the following:

Check the appropriate block that identifies the reason for submission of this form.

Initial

For all patients who initially receive a kidney transplant instead of a course of dialysis.

For patients for whom a regular course of dialysis has been prescribed by a physician because they have reached that stage of renal impairment that a kidney transplant or regular course of dialysis is necessary to maintain life. The first date of a regular course of dialysis is the date this prescription is implemented whether as an inpatient of a hospital, an outpatient in a dialysis

center or facility, or a home patient. The form should be completed for all patients in this category even if the patient dies within this time period.

Re-entitlement

For beneficiaries who have already been entitled to ESRD Medicare benefits and those benefits were terminated because their coverage stopped 3 years post transplant but now are again applying for Medicare ESRD benefits because they returned to dialysis or received another kidney transplant.

For beneficiaries who stopped dialysis for more than 12 months, have had their Medicare ESRD benefits terminated and now returned to dialysis or received a kidney transplant. These patients will be reapplying for Medicare ESRD benefits.

Supplemental

Patient has received a transplant or trained for self-care dialysis within the first 3 months of the first date of dialysis and initial form was submitted.

All items except as follows: To be completed by the attending physician, head nurse, or social worker involved in this patient's treatment of renal disease.

Items 15, 17-18, 26-27, 49-50: To be completed by the attending physician.

Item 44: To be signed by the attending physician or the physician familiar with the patient's self-care dialysis training.

Items 54 and 55: To be signed and dated by the patient.

1. Enter the patient's legal name (Last, first, middle initial). Name should appear exactly the same as it appears on patient's social security or Medicare card.
2. If the patient is covered by Medicare, enter his/her Medicare claim number as it appears on his/her Medicare card.
3. Enter the patient's own social security number. This number can be verified from his/her social security card.
4. Enter patient's date of birth (2-digit Month, Day, and 4-digit Year). Example 07/25/1950.
5. Enter the patient's mailing address (number and street or post office box number, city, state, and ZIP code.)
6. Enter the patient's home area code and telephone number.
7. Check the appropriate block to identify sex.
8. Check the appropriate block to identify ethnicity. Definitions of the ethnicity categories for Federal statistics are as follows:
Not Hispanic or Latino—A person of culture or origin not described below, regardless of race.
Hispanic or Latino—A person of Cuban, Puerto Rican, Mexican, South or Central American culture or origin regardless of race. Please complete Item 9 and provide the country, area of origin, or ancestry to which the patient claims to belong.
9. Country/Area of origin or ancestry—Complete if information is available or if directed to do so in question 8.
10. Check the appropriate block(s) to identify race. Definitions of the racial categories for Federal statistics are as follows:
White—A person having origins in any of the original white peoples of Europe, the Middle East or North Africa.
Black or African American—A person having origins in any of the black racial groups of Africa. This includes native-born Black Americans, Africans, Haitians and residents of non-Spanish speaking Caribbean Islands of African descent.
American Indian/Alaska Native—A person having origins in any of the original peoples of North America and South America (including Central America) and who maintains tribal affiliation or community attachment. Print the name of the enrolled or principal tribe to which the patient claims to be a member.
Asian—A person having origins in any of the original peoples of the Far East, Southeast Asia or the Indian subcontinent including, for example, Cambodia, China, India, Japan, Korea, Malaysia, Pakistan, the Philippine Islands, Thailand and Vietnam.
Native Hawaiian or Other Pacific Islander—A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands. Please complete Item 9 and provide the country, area of origin, or ancestry to which the patient claims to belong.

DISTRIBUTION OF COPIES:

- Forward the first part (blue) of this form to the Social Security office servicing the claim.
- Forward the second part (green) of this form to the ESRD Network Organizations.
- Retain the last part (white) in the patient's medical records file.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information is 0938-0046. The time required to complete this information collection estimated to average 45 minutes per response, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments concerning the accuracy of the time estimate(s) or suggestions for improving this form, please write to: CMS, Attention: PRA Reports Clearance Officer, 7500 Security Boulevard, Baltimore, Maryland 21244-1850.

11. Check the appropriate yes or no block to indicate if patient is applying for ESRD Medicare. **Note: Even though a person may already be entitled to general Medicare coverage, he/she should reapply for ESRD Medicare coverage.**

12. Check **all** the blocks that apply to this patient's current medical insurance status.

Medicaid—Patient is currently receiving State Medicaid benefits.

Medicare—Patient is currently entitled to Federal Medicare benefits.

Employer Group Health Insurance—Patient receives medical benefits through an employee health plan that covers employees, former employees, or the families of employees or former employees.

DVA—Patient is receiving medical care from a Department of Veterans Affairs facility.

Medicare Advantage—Patient is receiving medical benefits under a Medicare Advantage organization.

Other Medical Insurance—Patient is receiving medical benefits under a health insurance plan that is not Medicare, Medicaid, Department of Veterans Affairs, HMO/M+C organization, nor an employer group health insurance plan. Examples of other medical insurance are Railroad Retirement and CHAMPUS beneficiaries.

None—Patient has no medical insurance plan.

13. Enter the patient's most recent recorded height in inches **OR** centimeters at time form is being completed. If entering height in centimeters, round to the nearest centimeter. Estimate or use last known height for those unable to be measured. (Example of inches - 62. DO NOT PUT 5'2") NOTE: For amputee patients, enter height prior to amputation.
14. Enter the patient's most recent recorded dry weight in pounds **OR** kilograms at time form is being completed. If entering weight in kilograms, round to the nearest kilogram.

NOTE: For amputee patients, enter actual dry weight.

15. **To be completed by the attending physician.** Enter the ICD-9-CM from back of form to indicate the primary cause of end stage renal disease. These are the only acceptable causes of end stage renal disease.
16. Check the first box to indicate employment status 6 months prior to renal failure and the second box to indicate current employment status. **Check only one box for each time period.** If patient is under 6 years of age, leave blank.
17. **To be completed by the attending physician.** Check all co-morbid conditions that apply.

***Cerebrovascular Disease** includes history of stroke/ cerebrovascular accident (CVA) and transient ischemic attack (TIA).

***Peripheral Vascular Disease** includes absent foot pulses, prior typical claudication, amputations for vascular disease, gangrene and aortic aneurysm.

***Drug dependence** means dependent on illicit drugs.

18. Prior to ESRD therapy, check the appropriate box to indicate whether the patient received Exogenous erythropoetin (EPO) or equivalent, was under the care of a nephrologist and/or was under the care of a kidney dietitian. Provide vascular access information as to the type of access used (Arterio-Venous Fistula (AVF), graft, catheter (including port device) or other type of access) when the patient first received outpatient dialysis. If an AVF access was not used, was a maturing AVF or graft present?

NOTE: For those patients re-entering the Medicare program after benefits were terminated, Items 19a thru 19c should contain initial laboratory values within 45 days prior to the most recent ESRD episode. Lipid profiles and HbA1c should be within 1 year of the most recent ESRD episode. Some tests may not be required for patients under 21 years of age.

- 19a1. Enter the serum albumin value (g/dl) and date test was taken. This value and date must be within 45 days prior to first dialysis treatment or kidney transplant.

- 19a2. Enter the lower limit of the normal range for serum albumin from the laboratory which performed the serum albumin test entered in 19a1.

- 19a3. Enter the serum albumin lab method used (BCG or BCP).

- 19b. Enter the serum creatinine value (mg/dl) and date test was taken. **THIS FIELD MUST BE COMPLETED** within 45 days of the date the patient started chronic treatment in a dialysis facility or within 45 days prior to receiving a transplant.

- 19c. Enter the hemoglobin value (g/dl) and date test was taken. This value and date must be within 45 days prior to the first dialysis treatment or kidney transplant.

- 19d. Enter the HbA1c value and the date the test was taken. The date must be within 1 year prior to the first dialysis treatment or kidney transplant.

- 19e. Enter the Lipid Profile values and date test was taken. These values: TC—Total Cholesterol; LDL—LDL Cholesterol; HDL—HDL Cholesterol; TG—Triglycerides, and date must be within 1 year prior to the first dialysis treatment or kidney transplant.

20. Enter the name of the dialysis facility where patient is currently receiving care and who is completing this form for patient.

21. Enter the 6-digit Medicare identification code of the dialysis facility in item 20.

22. If the person is receiving a regular course of dialysis treatment, check the appropriate **anticipated long-term treatment setting** at the time this form is being completed.

23. If the patient is, or was, on regular dialysis, **check the anticipated long-term primary type of dialysis:** Hemodialysis, (enter the number of sessions prescribed per week and the hours that were prescribed for each session), CAPD (Continuous Ambulatory Peritoneal Dialysis) and CCPD (Continuous Cycling Peritoneal Dialysis), or Other. **Check only one block.** NOTE: Other has been placed on this form to be used only to report IPD (Intermittent Peritoneal Dialysis) and any new method of dialysis that may be developed prior to the renewal of this form by Office of Management and Budget.

24. Enter the date (month, day, year) that a "regular course of chronic dialysis" began. The beginning of the course of dialysis is counted from the beginning of regularly scheduled dialysis necessary for the treatment of end stage renal disease (ESRD) regardless of the dialysis setting. The date of the first dialysis treatment after the physician has determined that this patient has ESRD and has written a prescription for a "regular course of dialysis" is the "Date Regular Chronic Dialysis Began" regardless of whether this prescription was implemented in a hospital/ inpatient, outpatient, or home setting and regardless of any acute treatments received prior to the implementation of the prescription.

NOTE: For these purposes, end stage renal disease means irreversible damage to a person's kidneys so severely affecting his/her ability to remove or adjust blood wastes that in order to maintain life he or she must have either a course of dialysis or a kidney transplant to maintain life.

If re-entering the Medicare program, enter beginning date of the current ESRD episode. Note in Remarks, Item 53, that patient is restarting dialysis.

25. Enter date patient started chronic dialysis at current facility for dialysis services. In cases where patient transferred to current dialysis facility, this date will be after the date in Item 24.

26. Enter whether the patient has been informed of their options for receiving a kidney transplant.

27. If the patient has not been informed of their options (answered "no" to Item 26), then enter all reasons why the patient was not informed of the option of kidney transplantation.
 28. Enter the date of the patient's transplant. If reentering the Medicare program, enter current transplant date.
 29. Enter the name of the hospital where the patient received a kidney transplant on the date in Item 28.
 30. Enter the 6-digit Medicare identification code of the hospital in Item 29 where the patient received a kidney transplant on the date entered in Item 28.
 31. Enter date patient was admitted as an inpatient to a hospital in preparation for, or anticipation of, a kidney transplant prior to the date of the actual transplantation. This includes hospitalization for transplant workup in order to place the patient on a transplant waiting list.
 32. Enter the name of the hospital where patient was admitted as an inpatient in preparation for, or anticipation of, a kidney transplant prior to the date of the actual transplantation.
 33. Enter the 6-digit Medicare identification number for hospital in Item 32.
 34. Check the appropriate functioning or non-functioning block.
 35. Enter the type of kidney transplant organ donor, Deceased, Living Related or Living Unrelated, that was provided to the patient.
 36. If transplant is nonfunctioning, enter date patient returned to a regular course of dialysis. If patient did not stop dialysis post transplant, enter transplant date.
 37. If applicable, check where patient is receiving dialysis treatment following transplant rejection. A nursing home or skilled nursing facility is considered as home setting.
- Self-dialysis Training Patients (Medicare Applicants Only)**
- Normally, Medicare entitlement begins with the third month after the month a patient begins a regular course of dialysis treatment. This 3-month qualifying period may be waived if a patient begins a self-dialysis training program in a **Medicare approved training facility** and is expected to self-dialyze after the completion of the training program. Please complete items 38-43 if the patient has entered into a self-dialysis training program. Items 38-43 must be completed if the patient is applying for a Medicare waiver of the 3-month qualifying period for dialysis benefits based on participation in a self-care dialysis training program.
38. Enter the name of the provider furnishing self-care dialysis training.
 39. Enter the 6-digit Medicare identification number for the training provider in Item 38.
 40. Enter the date self-dialysis training began.
 41. Check the appropriate block which describes the type of self-care dialysis training the patient began. If the patient trained for hemodialysis, enter whether the training was to perform dialysis in the home setting or in the facility (in center). If the patient trained for IPD (Intermittent Peritoneal Dialysis), report as Other.
 42. Check the appropriate block as to whether or not the physician certifies that the patient is expected to complete the training successfully and self-dialyze on a regular basis.
 43. Enter date patient completed or is expected to complete self-dialysis training.
 44. Enter printed name and signature of the attending physician or the physician familiar with the patient's self-care dialysis training.
 45. Enter the Unique Physician Identification Number (UPIN) of physician in Item 44. (See Item 48 for explanation of UPIN.)
 46. Enter the name of the physician who is supervising the patient's renal treatment at the time this form is completed.
 47. Enter the area code and telephone number of the physician who is supervising the patient's renal treatment at the time this form is completed.
 48. Enter the physician's UPIN assigned by CMS.
A system of physician identifiers is mandated by Section 9202 of the Consolidated Omnibus Budget Reconciliation Act of 1985. It requires a unique identifier for each physician who provides services for which Medicare payment is made. An identifier is assigned to each physician regardless of his or her practice configuration. The UPIN is established in a national Registry of Medicare Physician Identification and Eligibility Records (MPIER). Transamerica Occidental Life Insurance Company is the Registry Carrier that establishes and maintains the national registry of physicians receiving Part B Medicare payment. Its address is: UPIN Registry, Transamerica Occidental Life, P.O. Box 2575, Los Angeles, CA 90051-0575.
 49. To be signed by the physician supervising the patient's kidney treatment. Signature of physician identified in Item 46. A stamped signature is unacceptable.
 50. Enter date physician signed this form.
 51. To be signed by the physician who is currently following the patient. If the patient had decided initially not to file an application for Medicare, the physician will be re-certifying that the patient is end stage renal, based on the same medical evidence, by signing the copy of the CMS-2728 that was originally submitted and returned to the provider. If you do not have a copy of the original CMS-2728 on file, complete a new form.
 52. The date physician re-certified and signed the form.
 53. This remarks section may be used for any necessary comments by either the physician, patient, ESRD Network or social security field office.
 54. The patient's signature authorizing the release of information to the Department of Health and Human Services must be secured here. **If the patient is unable to sign the form, it should be signed by a relative, a person assuming responsibility for the patient or by a survivor.**
 55. The date patient signed form.

NOTICE

This form is to be completed for all End Stage Renal Disease patients beginning June 01, 2005 regardless of when the patient started dialysis or received a kidney transplant. Prior blank versions of this form should be destroyed. Old versions of the CMS-2728 will not be accepted by the Social Security Administration or the ESRD Network Organizations after May 31, 2005.
