Closing Gaps & Meeting Metrics

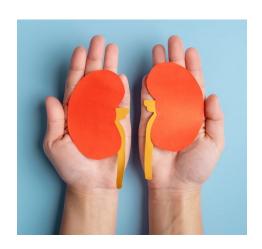
Coding Tips & Best Practices

September 2023

Chronic Kidney Disease

Chronic kidney disease (CKD), also known as chronic renal disease, is a condition characterized by a gradual loss of kidney function. If kidney disease worsens, elevated waste levels in the blood can cause sickness. Complications, which may develop slowly, include:

- High blood pressure, or hypertension
- Anemia (low blood count)
- Weak bones
- Poor nutritional health
- Nerve damage
- Heart and blood vessel disease



Early detection and treatment often can prevent CKD from getting worse. If kidney disease progresses, it may eventually lead to kidney failure, which requires dialysis or a kidney transplant to maintain life.

Main Causes and Symptoms of CKD

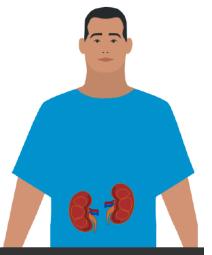
Two-thirds of CKD cases can be ascribed to diabetes and high blood pressure, according to the National Kidney Foundation.

Diabetes: Unmanaged high blood sugar can lead to diabetes over time, and cause damage to many organs, including the kidneys, heart, blood vessels, nerves, and eyes.

KIDNEY FAILURE SYMPTOMS

Weakness, less energy
Trouble concentrating
Poor appetite
Trouble sleeping
Muscle cramping at night
Swollen feet and ankles
Puffiness around the eyes,
especially in the morning
Dry, itchy skin

More frequent urination, especially at night



CONTROL: Blood pressure, Glucose

High blood pressure: Left uncontrolled or poorly controlled, high blood pressure can cause heart attacks, strokes, and CKD. In return, CKD can also cause high blood pressure.

Most people may not experience severe symptoms until their kidney disease is advanced.

Approximately 37 million American adults have CKD, and millions of others are at increased risk.

Your local Blue Cross Blue Shield

Diagnostic Tests

The following tests can be used to diagnose CKD:

- Albumin to creatine ratio urine test Albumin is a protein that should not be found in urine, and its presence indicates kidney function problems.
- Blood test for creatinine This determines if the blood contains too much creatinine, a waste product.
- Glomerular Filtration Rate (GFR) The GFR is calculated using the results from the above tests and other factors
 like age and gender. The result of the GFR is the best way to measure level of kidney function and determine the
 kidney disease stage.
- CT scan The CT scan images of the kidneys and urinary tract can spot any structural problems. This test helps physicians determine if the kidneys are too large or small, or have issues like a kidney stone or tumor.
- Biopsy A biopsy checks for a specific type of kidney disease, determines the level of kidney damage, and helps plan treatment.

CKD Stages

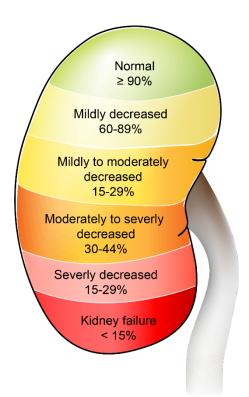
The ICD-10-CM classifies CKD based on severity. The severity of CKD is designated by stages 1-5, and ESRD.

| Stage | Severity | GFR ml/min/ 1.73 m ² | ICD 10-CM Code |
|-------------|----------------------------------|---------------------------------------|-------------------|
| 1 (G1) | Mild kidney damage | ≥90 | N18.1 |
| 2 (G2) | Mildly decreased | 60 - 89 | N18.2 |
| 3 | | - | N18.30 |
| 3A (G3A) | Mildly to moderately decreased | 45 - 59 | N18.31 |
| 3B (G3B) | Moderately to severely decreased | 30 - 44 | N18.32 |
| 4 (G4) | Severely decreased | 15 - 29 | N18.4 |
| 5 (G5) | Kidney failure | <15 | N18.5 |
| ESRD | Requires dialysis | - | N18.6 |
| Unspecified | Unspecified | - | N18.9 |

Assign code N18.6, End stage renal disease (ESRD) when the provider has documented ESRD. If both a stage of CKD and ESRD are documented, assign code N18.6 only.

Example: CKD, stage 5, requiring chronic dialysis

N18.6 End stage renal disease Z99.2 Dependence on renal dialysis



Coding Tips

Hypertensive CKD

Assign codes from category I12, Hypertensive chronic kidney disease, when both hypertension and a condition classifiable to category N18, chronic kidney disease, are present. Use the appropriate code from category N18 as a secondary code to identify the stage of CKD.

Do not code CKD as hypertensive if the provider indicates the CKD is not related to the hypertension.

Example: Hypertensive CKD, CKD G4

I12.9 Hypertensive chronic kidney disease with stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease

N18.4 Chronic kidney disease, stage 4 (severe)

Hypertensive Heart and CKD

Assign codes from combination category I13, Hypertensive heart and chronic kidney disease, when hypertension includes both heart and kidney involvement. If heart failure is present, assign an additional code from category I50 to identify the type of heart failure. Use the appropriate code from category N18, chronic kidney disease, as a secondary code to identify the stage of CKD.

Example: Hypertensive heart and CKD, chronic congestive diastolic heart failure, CKD stage 3b

I13.0 Hypertensive heart and chronic kidney disease with heart failure and stage 1 through stage 4 chronic kidney disease, or unspecified chronic kidney disease N18.32 Chronic kidney disease, stage 3b I50.32 Chronic diastolic (congestive) heart failure

Diabetes and CKD

The ICD-10-CM presumes a causal relationship between CKD and diabetes.

Example: Type II diabetes mellitus with CKD stage 5

11.22 Type 2 diabetes mellitus with diabetic chronic kidney disease

N18.5 Chronic kidney disease, stage 5

Kidney Transplant Status and CKD

Patients who have undergone kidney transplant may still have a form of CKD because the kidney transplant may not fully restore kidney function. Therefore, the presence of CKD alone does not constitute a transplant complication. Assign the appropriate N18 code for the patient's stage of CKD and code Z94.0, Kidney transplant status.

Example: CKD stage 3b. History of kidney transplant 5 years ago, no complications

N18.32 Chronic kidney disease, stage 3b Z94.0 Kidney transplant status

References

Chronic Kidney Disease (CKD) | National Kidney Foundation
AHIMA Library

ICD-10-CM Guidelines April 1 2023 FY23 (CMS.gov)

Florida Blue is an independent licensee of the Blue Cross and Blue Shield Association.

