Focus on
High Blood Pressure and Stroke

Facts about High Blood Pressure and Stroke

Over 75 million Americans have high blood pressure.

High Blood Pressure (Hypertension)

ICD-9-CM Coding:[1,2]

- 796.2 Elev bl pres w/o hypertn
- 401.1 Benign hypertension
- 401.9 Hypertension, unspecified

Hypertensive Heart Disease:

Use an additional code to specify type of heart failure (hf) (**428.0–428.43**)

- 402.10 Benign hyp ht dis w/o hf
- **402.11** Benign hyp ht dis w hf

Hypertensive Chronic Kidney Disease:

Use additional code to identify the stage of chronic kidney disease (see CKD)

- 403.10 Ben hy kid w cr kid I-IV
- **403.11** Ben hyp kid w cr kid V

Hypertensive Heart and Chronic Kidney Disease:

Use additional code to specify type of heart failure (**428.0-428.43**), if known

Use additional code to identify the stage of chronic kidney disease (see CKD)

- 404.10 Ben hy ht/kd I-IV w/o hf
- **404.11** Ben hyp ht/kd I-IV w hf
- **404.12** Ben hy ht/kd st V w/o hf
- **404.13** Ben hyp ht/kd stg V w hf

ICD-10-CM Coding:[3]

- R03.0 Elevated blood-pressure reading, w/o diagnosis of htn
- I10 Essential (primary) hypertension

Hypertensive Heart Disease:

Use an additional code to specify type of heart failure (I50.1–I50.9)

- I11.9 Hypertensive heart disease without heart failure
- I11.0 Hypertensive heart disease with heart failure

Hypertensive Chronic Kidney Disease:

Use additional code to identify the stage of chronic kidney disease (N18.1–N18.9)

- I12.9 Hypertensive chronic kidney disease w stg 1-4/unsp chr kdny
- I12.0 Hyp chr kidney disease w stage 5 chr kidney disease or ESRD

Hypertensive Heart and Chronic Kidney Disease:

Use additional code to specify type of heart failure (I50.1–I50.9), if known

Use additional code to identify the stage of chronic kidney disease (N18.1–N18.9)

- I13.10 Hyp hrt & chr kdny dis w/o hrt fail, w stg 1-4/unsp chr kdny
- I13.0 Hyp hrt & chr kdny dis w hrt fail and stg 1-4/unsp chr kdny
- I13.11 Hyp hrt and chr kdny dis w/o hrt fail, w stg 5 chr kdny/ESRD
- I13.2 Hyp hrt & chr kdny dis w hrt fail and w stg 5 chr kdny/ESRD

When left untreated, high blood pressure can lead to:

Chronic Kidney Disease (CKD)

ICD-9-CM Coding:[1,2]

- **585.1** Chro kidney dis stage I
- **585.2** Chro kidney dis stage II
- **585.3** Chr kidney dis stage III
- **585.4** Chr kidney dis stage IV
- **585.5** Chron kidney dis stage V
- **585.6** End stage renal disease
- **585.9** Chronic kidney dis NOS

Document the stage of chronic kidney disease

ICD-10-CM Coding:[3]

- N18.1 Chronic kidney disease, Stage I
- N18.2 Chronic kidney disease, Stage II (mild)
- N18.3 Chronic kidney disease, Stage III (moderate)
- N18.4 Chronic kidney disease, Stage IV (severe)
- N18.5 Chronic kidney disease, Stage V
- N18.6 End stage renal disease
- N18.9 Chronic kidney disease, unspecified

Heart Failure

ICD-9-CM Coding:[1,2]

- **428.1** Left heart failure
- **428.20** Systolic hrt failure NOS
- **428.30** Diastolc hrt failure NOS
- **428.40** Syst/diast hrt fail NOS
- **428.9** Heart failure NOS

Document the type of heart failure, if known: systolic, diastolic, combined, and then acute, chronic or acute on chronic. When hypertensive heart failure is documented, it is coded as **402.91** & **428.xx**

ICD-10-CM Coding:[3]

- I50.1 Left ventricular failure
- I50.20 Unspecified systolic (congestive) heart failure
- I50.30 Unspecified diastolic (congestive) heart failure
- I50.40 Unsp combined systolic and diastolic (congestive) hrt fail
- I50.9 Heart failure, unspecified

Stroke

ICD-9-CM Coding:[1,2]

- **434.91** Crbl art ocl NOS w infrc
- **434.01** Crbl thrmbs w infrct
- **434.11** Crbl emblsm w infrct

Document the artery and type of infarction (e.g., thrombotic, embolic)

ICD-10-CM Coding:[3]

- I63.50 Cereb infrc due to unsp occls or stenos of unsp cereb artery
- I63.30 Cerebral infarction due to thombos unsp cerebral artery
- I63.40 Cerebral infarction due to embolism of unsp cerebral artery