



## A framework for CKD-related data analysis

### To assess exposure rising from undiagnosed CKD:

- Identify the density of **diagnosed** CKD among your population:
  - Include any records reflecting the following ICD-9/10 codes:

CKD Stage	ICD-9 Codes	ICD-10 Codes
Stage 1	585.1	N18.1
Stage 2	585.2	N18.2
Stage 3	585.3	N18.3
Stage 4	585.4	N18.4
Stage 5	585.5	N18.5
CKD unspecified	585.9	N18.9

- *At minimum, 10% of the adult population should have a diagnosis of CKD.*
- Identify undiagnosed CKD utilizing available laboratory data:
  - Query those records with laboratory data to identify the percentage of this population with abnormal serum creatinine values (> 1.5) that were not reassessed within 120 days, **or**, with estimated glomerular filtration rates (eGFR) of *less than* 60 mL/min/1.73 m<sup>2</sup>
    - This data can be extracted using CPT or LOINC codes:

CPT Code	LOINC Code
80047 - Basic Metabolic Panel	<ul style="list-style-type: none"> <li>• 50210-4</li> </ul>
80048 - Comprehensive Metabolic Panel	<ul style="list-style-type: none"> <li>• 77147-7</li> <li>• 69405-9</li> </ul>
82565 - Creatinine with eGFR	<ul style="list-style-type: none"> <li>• 62238-1</li> </ul>

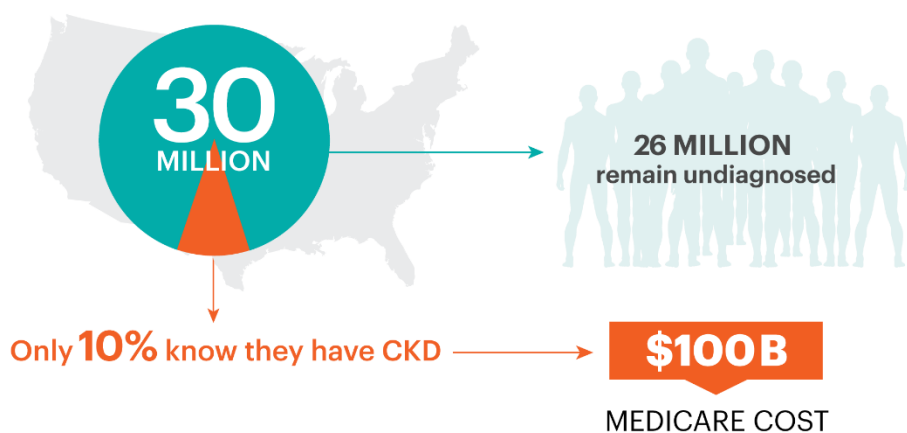
- Exclude any records with a diagnosis reflecting the ICD-9/10 codes outlined above.
- Query the percentage of patients with diabetes or hypertension that have received an annual assessment for albuminuria.
  - This data can be extracted using CPT code: 82043





## KIDNEY DISEASE: A HIDDEN RISK

AMERICANS WITH  
CHRONIC KIDNEY DISEASE (CKD)



As many as 26 million Americans will not find out that they have CKD until their kidney function is seriously limited. These people are at high risk for kidney failure, heart attack, stroke, or premature death.

As CKD progresses, the complexity and cost of care increases. The U.S. government alone spends \$100 billion annually on CKD-related healthcare.

Best practices for kidney protective care can slow or stop the progression of CKD—early diagnosis and intervention in primary care is crucial.

The National Kidney Foundation (NKF) has launched **CKDintercept** (CKDI), an initiative to extend the lives of people living with CKD.



For more information regarding strategies that health systems can utilize to improve recognition and management of CKD in primary care, please contact:

Elizabeth Montgomery  
[elizabeth.montgomery@kidney.org](mailto:elizabeth.montgomery@kidney.org)  
212 889 2210 ext. 196

