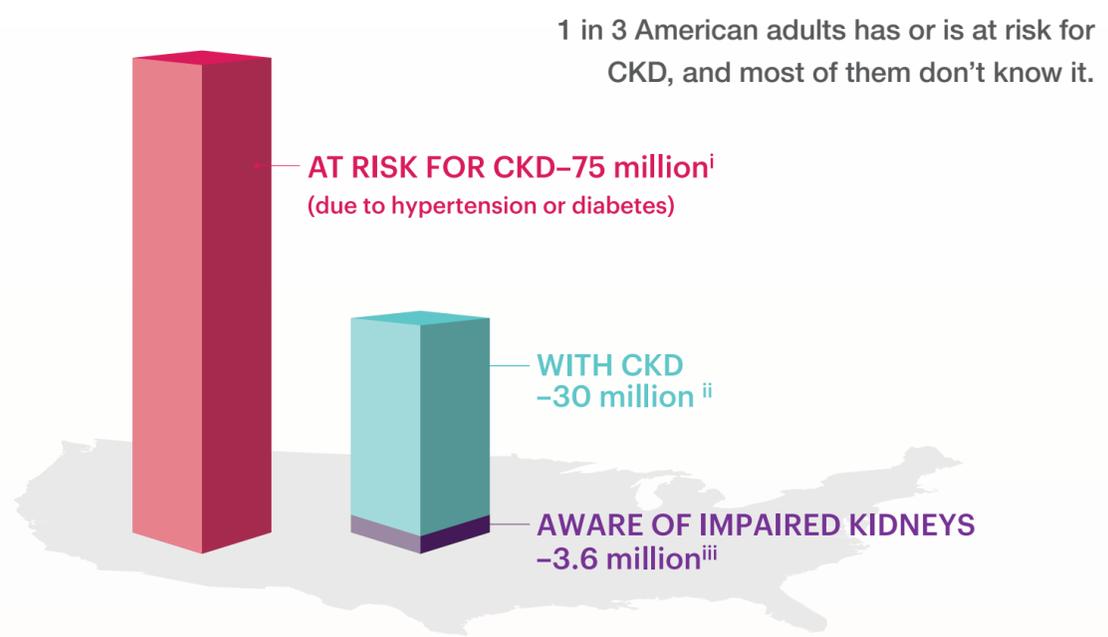


# The State of Chronic Kidney Disease (CKD) Today

Chronic kidney disease is a widely unrecognized public health challenge that contributes to high mortality and cost. The National Kidney Foundation is partnering with America's clinical laboratories to improve assessment of individuals at risk of kidney disease by simplifying and clarifying the ordering and reporting of the two widely available tests recommended by clinical practice guidelines.

## Prevalence and Awareness of Chronic Kidney Disease (CKD)

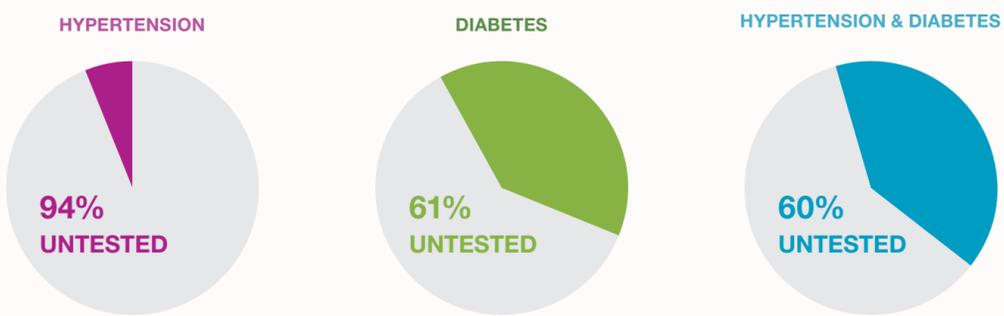


Sources:

- Centers for Disease Control and Prevention, Division of Heart Disease and Stroke Prevention. High blood pressure fact sheet. Available at: [https://www.cdc.gov/dhdsp/data\\_statistics/fact\\_sheets/fs\\_bloodpressure.htm](https://www.cdc.gov/dhdsp/data_statistics/fact_sheets/fs_bloodpressure.htm)
- Centers for Disease Control and Prevention CKD Surveillance System. CKD fact sheet 2017. Available at: [https://www.cdc.gov/diabetes/pubs/pdf/kidney\\_factsheet.pdf](https://www.cdc.gov/diabetes/pubs/pdf/kidney_factsheet.pdf)
- U.S. Department of Health and Human Services. Healthy People 2020. CKD objectives: CKD-2 increase proportion of persons with chronic kidney disease (CKD) who know they have impaired renal function, revised. Available at: <https://www.healthypeople.gov/2020/data-search/Search-the-Data#objid=4092>

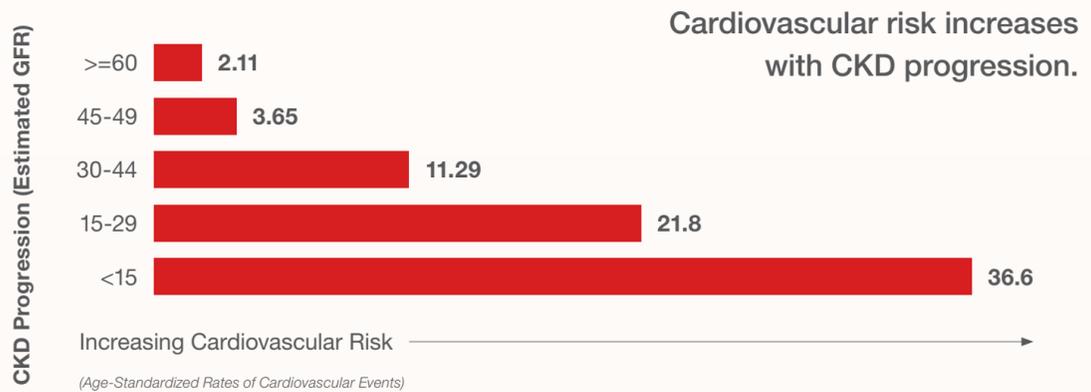
## Low Rates Of Albumin-Creatinine Ratio Testing for Chronic Kidney Disease (CKD)

Hypertension and diabetes are the top two risk factors for developing CKD, but many people with these conditions are not receiving recommended testing.



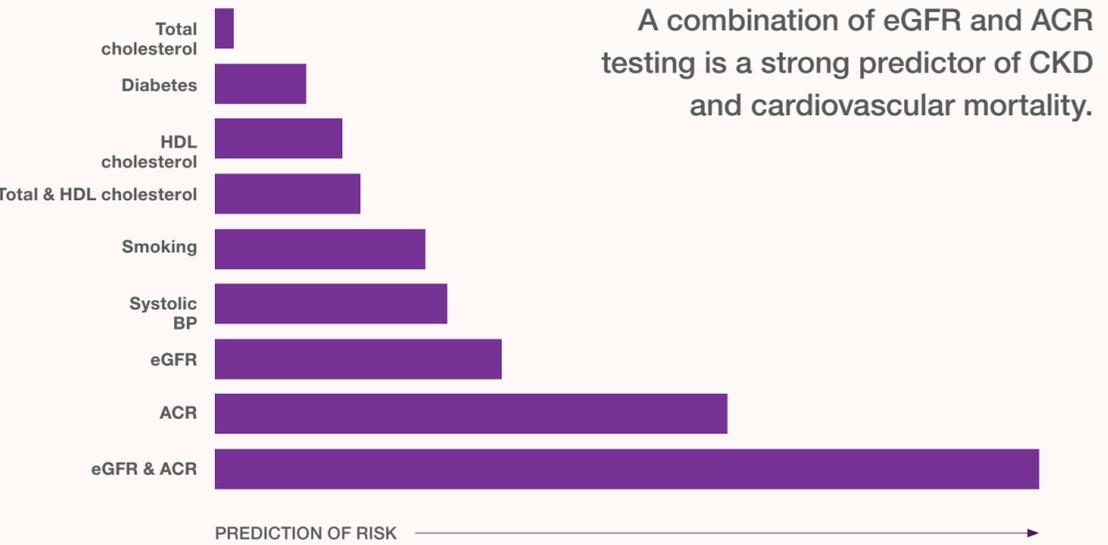
Source: United States Renal Data System. 2016 USRDS annual data report: epidemiology of kidney disease in the United States. Bethesda, MD: National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases; 2016.

## Chronic Kidney Disease (CKD) and Risk of Cardiovascular Events



Source: Go, A.S., et al., Chronic kidney disease and the risk of death, cardiovascular events, and hospitalization. *New England Journal of Medicine*, 2004;35(13):1296-1305.

## Chronic Kidney Disease (CKD) Testing and Prediction for Cardiovascular Mortality



Source: Matsushita, K., et al., Estimated glomerular filtration rate and albuminuria for prediction of cardiovascular outcomes: a collaborative meta-analysis of individual participant data. *The Lancet Diabetes & Endocrinology* 2015;Jul;3(7):514-525

## Medical Costs from Chronic Kidney Disease (CKD)



Source: Golestaneh et al. All-cause costs increase exponentially with increased chronic kidney disease stage. *American Journal of Managed Care*. 2017; 23(10):S161.