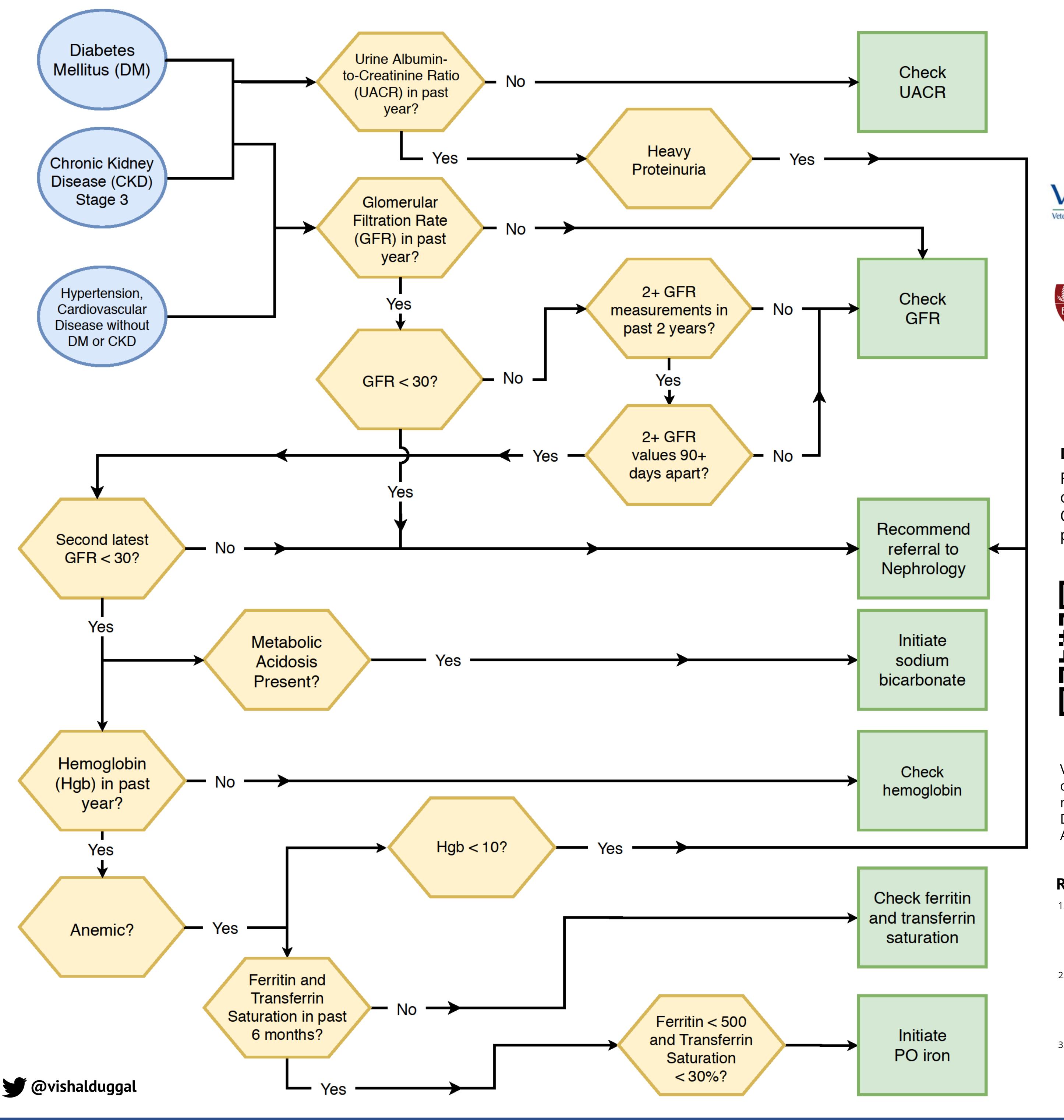
Clinical Decision Support Flow Diagram for Management of Chronic Kidney Disease by Primary Care Physicians

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Background

- Chronic kidney disease (CKD) affects more than 15% of adults in the United States¹, and the Veterans Affairs (VA) health system is the single largest provider of health services in the U.S. for patients with CKD².
- The MEDSAFE-CDS is a knowledge-based system developed jointly by the VA and Stanford University designed to aid PCPs within the VA Health Care System in the management of chronic health conditions.
- This in-development clinical decision support (CDS) tool will guide PCPs in the management of CKD Stage 3

Objectives

- While phenotypic determinations exist for CKD, they do not identify groups specifically amenable to care via CDS.
- This flow diagram illustrates a treatment pathway adhering to VA/Department of Defense (DoD) Clinical Practice Guidelines for the Management of CKD in Primary Care, augmented by with those of Kidney Disease International Improving Global Outcomes (KDIGO)³ guidelines. Recommendations generated by this CDS are provided in online reports for PCPs
- Filtering steps are included to reduce computational processing requirements. It can be extended to add functionality, such as risk prediction tools or organization-specific resources.

Eligible Population

- Patients with hypertension, diabetes mellitus, or cardiovascular disease enter the decision pathway as shown above
- Patients with more complex or advanced presentations can be directed to nephrology care and bypass recommendations
- Due to the diagnostic complexity of patients with moderate or severe proteinuria but higher glomerular filtration rates, patients with CKD Stages 1-2 are also excluded.
- Patients with CKD Stages 4-5, end-stage kidney disease, and a history of kidney transplant are also excluded.