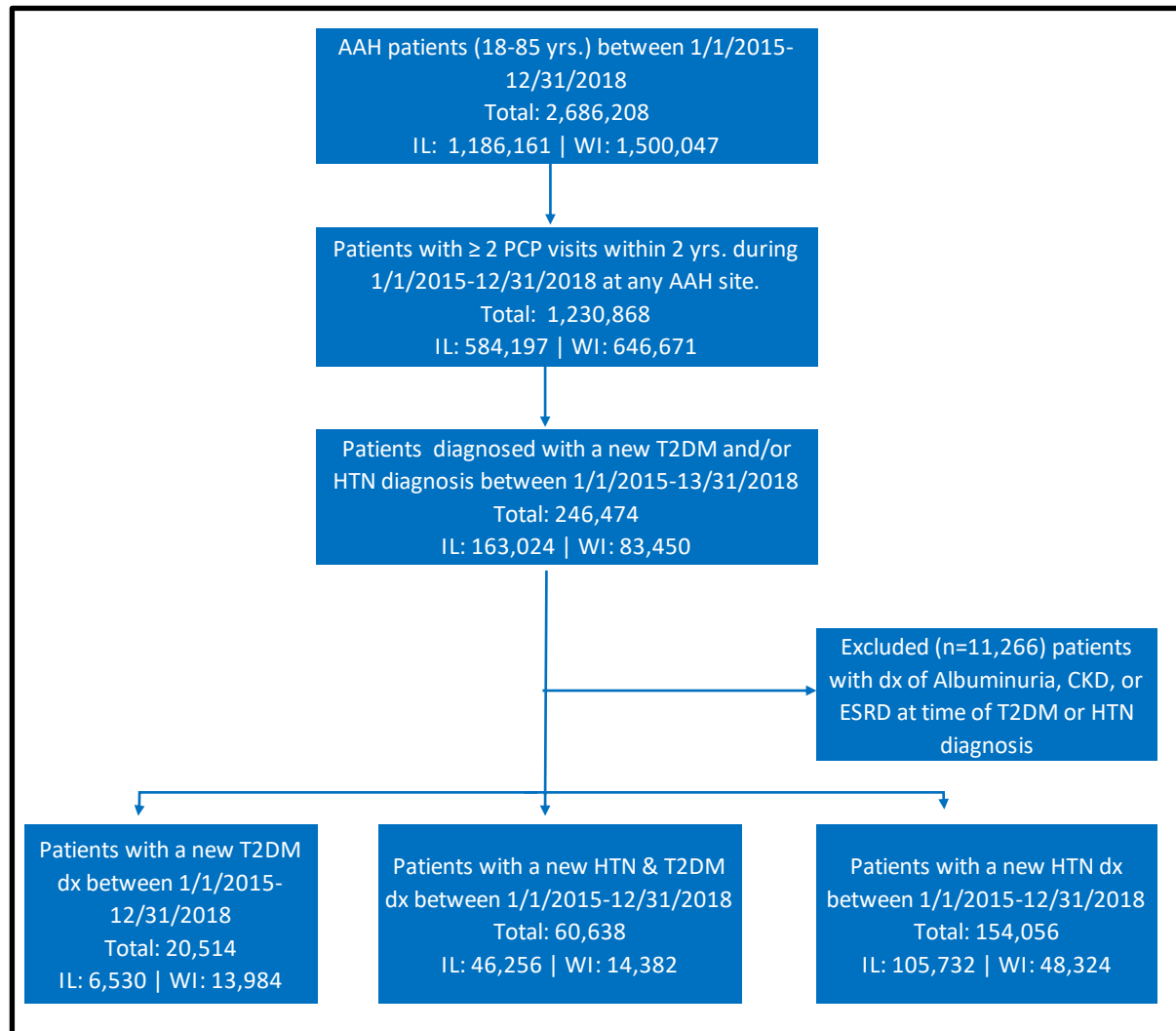


Supplemental Figure 1. Chronic kidney disease-social drivers of health (CKD-SDOH) cohort identification for Advocate Aurora Health (AAH) patients diagnosed with a new hypertension and/or type 2 diabetes diagnosis between 2015-2018.



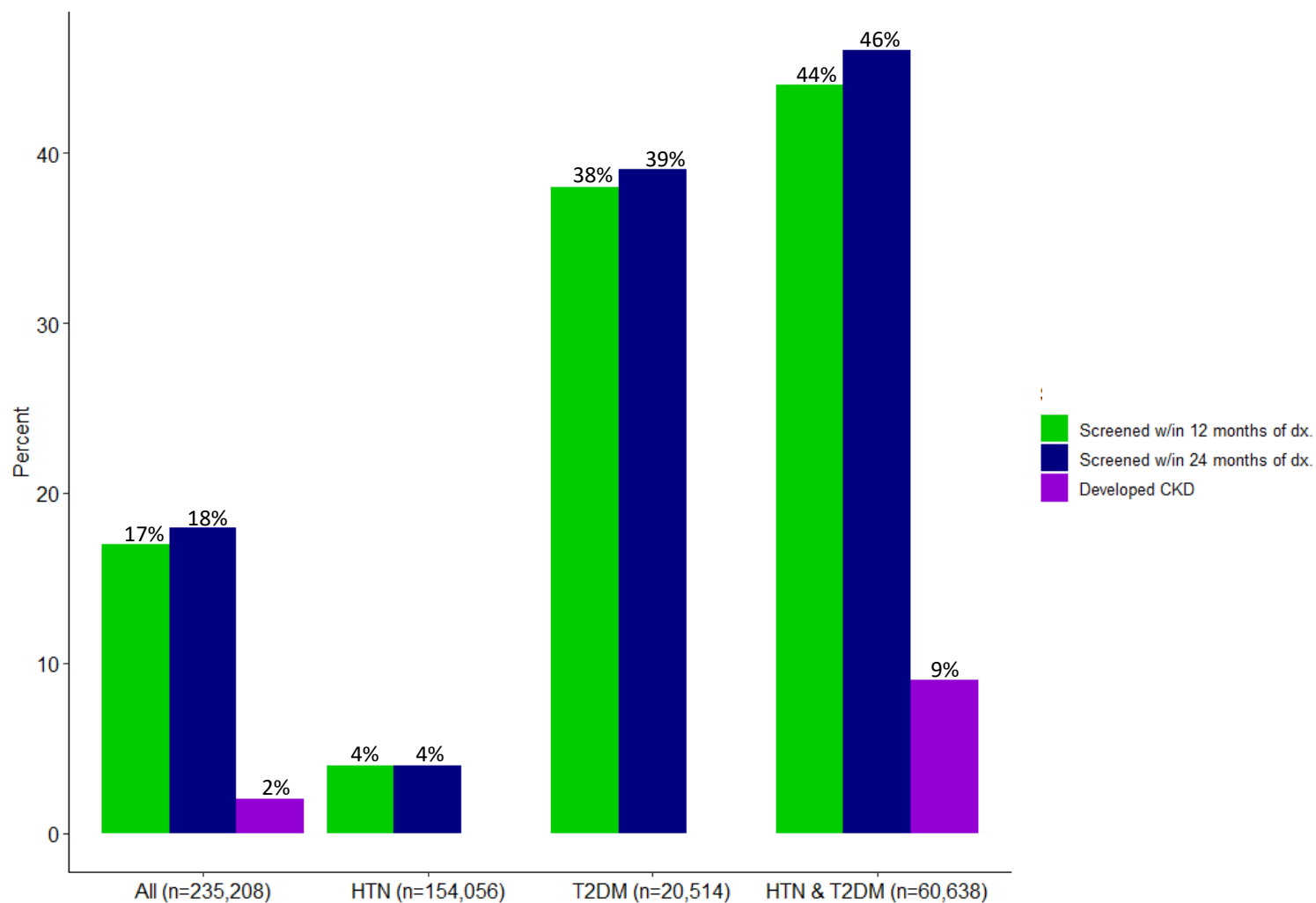
IL: Illinois; WI: Wisconsin; PCP: Primary care provider including: Family medicine, internal medicine, geriatrics, and pediatrics; T2DM: type 2 diabetes; HTN: Hypertension; Dx: Diagnosis; CKD: Chronic kidney disease; ESRD: End stage renal disease

Supplemental Table 1. Comorbidities for Advocate Aurora Health patients (n=235,208) with a new hypertension and/or type 2 diabetes diagnosis between 2015-2018.

	All (n=235,208)		HTN only (n=154,056, 65%)		T2DM only (n=20,514, 9%)		HTN & T2DM (n=60,638, 26%)	
	n	%	n	%	n	%	n	%
Anemia	12,492	5	7,663	5	941	5	3,888	6
ASCVD	30,632	12	18,344	12	1,486	7	10,802	18
Cancer	26,491	11	18,111	12	1,878	9	6,502	11
COPD	6,155	3	4,278	3	571	3	1,306	2
CHF	4,691	2	2,782	2	244	1	1,665	3
Dementia	30	<1	27	<1	1	<1	2	0
Depression	16,036	7	10,561	7	1,482	7	3,993	7
Hyperlipidemia	37,681	16	24,168	16	3,213	16	10,300	17
Liver disease	527	<1	281	<1	66	<1	180	<1
T1DM	512	<1	-	-	354	2	158	<1

HTN: hypertension; T2DM: type 2 diabetes; ASCVD – Atherosclerotic Cardiovascular Disease includes, Atherosclerosis, CAD – coronary artery disease Cerebrovascular disease, CVD – cardiovascular disease, MI – myocardial infarction & PAD – peripheral artery disease CVD: cardiovascular disease; CPD: chronic obstructive pulmonary disease; CH: congestive heart failure; CAD: coronary artery disease; MI: myocardial infarction; PAD: peripheral arterial disease; T1DM: type 1 diabetes

Supplemental Figure 2. Chronic kidney disease screening frequency and disease development among patients with a new hypertension and/or type 2 diabetes diagnosis between 2015-2018.



Screening is defined as one estimated glomerular filtration rate and one urine albumin-creatinine ratio laboratory post hypertension (HTN) and/or type 2 diabetes (t2DM) diagnosis. Chronic kidney disease (CKD) development includes CKD and end stage renal disease diagnosis

Other	2.34	(2.22, 2.47)	<.001	2.09	(1.79, 2.42)	<.001	1.50	(1.31, 1.72)	<.001	1.46	(1.35, 1.59)	<.001
	1.59	(1.51, 1.68)	<.001	1.78	(1.55, 2.05)	<.001	1.27	(1.09, 1.47)	0.002	1.44	(1.32, 1.58)	<.001

HTN: Hypertension; T2DM: type 2 diabetes; OR: odds ratio; CI: confidence interval; Logistic regression models adjusted for age, sex, smoking (never/ever), body mass index (kg/m²), year, weighted Charlson Comorbidity Index score, and patient location (IL/WI); ^a Married includes patients who are married or living with a domestic partner.

Supplemental Table 3. Association of social drivers of health factors and receiving a chronic kidney disease diagnosis (chronic kidney disease or end stage renal disease) after a new hypertension and/or type 2 diabetes diagnosis between 2015-2018

	CKD or ESRD development					
	All (n=235,208)			HTN & T2DM (n=60,638)		
	OR	95% CI	p-value	OR	95% CI	p-value
Insurance						
Private (REF)	-	-	-	-	-	-
Public	0.92	(0.84, 1.02)	0.10	0.80	(0.73, 0.89)	<.001
Marital status						
Married ^a (REF)	-	-	-	-	-	-
Single	1.39	(1.29, 1.48)	<.001	1.31	(1.22, 1.41)	<.001
Widowed	1.40	(1.27, 1.55)	<.001	1.36	(1.22, 1.52)	<.001
Employment						
Employed (REF)	-	-	-	-	-	-
Unemployed	1.75	(1.58, 1.94)	<.001	1.44	(1.30, 1.60)	<.001
Retired	1.94	(1.71, 2.21)	<.001	1.73	(1.51, 1.97)	<.001
Race/Ethnicity						
White (REF)	-	-	-	-	-	-
Black	2.33	(2.15, 2.53)	<.001	2.05	(1.89, 2.23)	<.001
Hispanic/Latino	1.41	(1.25, 1.59)	<.001	1.00	(0.88, 1.13)	0.96
Asian	1.19	(0.99, 1.42)	0.06	0.88	(0.73, 1.05)	0.17
Other	0.91	(0.71, 1.15)	0.43	0.84	(0.66, 1.07)	0.17

HTN: Hypertension; T2DM: type 2 diabetes; CKD: chronic kidney disease; ESRD: end stage renal disease; OR: odds ratio; CI: confidence interval; Logistic regression models adjusted for age, sex, smoking (never/ever), body mass index (kg/m²), year, and patient location (IL/WI), weighted Charlson index score, and at least one CKD screening within 24 months of diagnosis (yes/no); No CKD or ESRD for patients with only HTN or T2DM.

^a Married includes patients who are married or living with a domestic partner.