Supplementary Appendix Table 1. Adjusted Hazard Ratios and 95% CIs of Independent Predictors of Antihypertensive Medication Initiation Among Patients Aged 18 Years and Older with >6 Months Follow-Up After Meeting Clinical Criteria for Incident Hypertension (N=3,725)

Variable	Adjusted HR (95% CI)		P value*
PATIENT FACTORS			
Age			
18-39 years	0.57	(0.47–0.69)	**<0.001**
40-59 years	0.75	(0.65–0.87)	**<0.001**
≥60 years (reference)	1.0	—	—
Race/Ethnicity			
White	0.81	(0.68–0.98)	**0.03**
Non-White[†] (reference)	1.0	—	—
Marital status			
Single (reference)	1.0	—	—
Married/Partnered	0.96	(0.84–1.08)	0.48
Primary Spoken Language			
English (reference)	1.0	—	—
Other	1.06	(0.79–1.42)	0.69
Tobacco Use			
Current Tobacco Use (reference)	1.0	—	—
Former Tobacco Use	0.90	(0.74–1.09)	0.27
Never Used Tobacco	0.88	(0.74–1.05)	0.17
Unknown/Missing	1.41	(1.15–1.73)	0.001
Body mass index, kg/m^2	1.012	(1.005–1.020)	**0.001**
On Medicaid Ever[‡]	1.43	(1.14–1.78)	**0.002**
JNC 7 Stage of Hypertension[§]			
Stage 1: 140-159/90-99 mmHg	0.61	(0.54–0.70)	**<0.001**
Stage 2: ≥160/100 mmHg (reference)	1.0	—	—
Baseline Comorbid Conditions			
Anxiety	1.12	(0.93–1.35)	0.24
Depression	0.85	(0.66–1.10)	0.23
Hyperlipidemia	1.02	(0.89–1.18)	0.74
Diabetes mellitus	1.52	(1.21–1.90)	**<0.001**
Low prevalence condition[‖]	1.21	(0.98–1.50)	0.08
ACG[¶] Risk Score, young index	1.049	(1.003–1.098)	**0.04**
Baseline Ambulatory Visit Counts, annual mean			
Primary Care Visits	1.06	(1.03–1.09)	**<0.001**
Specialty Care Visits	1.07	(1.08–1.10)	**<0.001**
PROVIDER FACTORS			
Primary Care Specialty			
Internal Medicine (reference)	1.0	—	—
Family Medicine/Family Practice	0.95	(0.83–1.09)	0.49
Other[#]	1.02	(0.57–1.23)	0.80
Provider Age, years**	0.991	(0.986–0.996)	**0.001**

*Global p-value for proportional-hazards assumption p=0.125

†Non-White: Black (4.7%), Hispanic/Latino (1.6%), Asian (2.9%), Native Hawaiian/Pacific Islander (0.5%), American Indian/Alaska Native (0.3%); Unknown (1.9%)

‡On Medicaid at any point during the baseline or study period

§JNC 7 Stage of Hypertension = severity of blood pressure elevation at study entry

‖Due to low prevalence, an indicator variable was created for the presence of any of the following: atrial fibrillation, congestive heart failure, stroke/transient ischemic attack, ischemic heart disease, peripheral vascular disease, collagen vascular disease, deficiency anemia, or chronic kidney disease

¶ACG = Adjusted Clinical Group Case-Mix Assessment System

#Other = Pediatrics/Adolescent Medicine, Obstetrics/Gynecology, and Geriatrics

**AMA is the source for the raw physician data (provider ages only); statistics, tables, or tabulations were prepared by User-Customer (M. Smith; PI: H. Johnson) using 2011 AMA Masterfile data.

Supplementary Appendix Table 2. Adjusted Hazard Ratios and 95% CIs of Independent Predictors of Antihypertensive Medication Initiation Among Young Adults (18-39 years old) with >6 Months Follow-Up After Meeting Clinical Criteria for Incident Hypertension (N=1,024)

Variable	Adjusted HR (95% CI)		P value*
PATIENT FACTORS			
Age			
18-29 years	0.70	(0.53–0.93)	**0.01**
30-39 years (reference)	1.0	—	—
Sex			
Male	0.65	(0.50–0.85)	**0.001**
Race/Ethnicity			
White	0.69	(0.49–0.97)	**0.03**
Non-White[†] (reference)	1.0	—	—
Tobacco Use			
Current Tobacco Use (reference)	1.0	—	—
Former Tobacco Use	1.14	(0.78–1.68)	0.50
Never Used Tobacco	0.93	(0.65–1.31)	0.66
Unknown/Missing	1.47	(0.96–2.26)	0.08
Body mass index, kg/m^2	1.00	(0.99–1.02)	0.80
On Medicaid Ever[‡]	1.68	(1.20–2.34)	**0.002**
JNC 7 Stage of Hypertension[§]			
Stage 1: 140-159/90-99 mmHg	0.64	(0.49–0.86)	**0.002**
Stage 2: ≥160/100 mmHg (reference)	1.0	—	—
Baseline Comorbid Conditions			
Anxiety	1.05	(0.76–1.46)	0.77
Depression	0.86	(0.54–1.35)	0.50
Hyperlipidemia	1.02	(0.70–1.51)	0.90
Diabetes mellitus	1.51	(0.80–2.86)	0.21
ACG[‖] Risk Score, young index	1.09	(0.96–1.24)	0.18
Baseline Ambulatory Visit Counts, annual mean			
Primary Care Visits	1.06	(1.00–1.12)	0.05
Specialty Care Visits	1.10	(1.03–1.18)	**0.005**

*Global p-value for proportional-hazards assumption p=728

[†]Non-White: Black (7.8%), Hispanic/Latino (1.8%), Asian (3.0%), Native Hawaiian/Pacific Islander (0.9%), American Indian/Alaska Native (0.5%); Unknown (3.2%)

[‡]On Medicaid at any point during the baseline or study period

[§]JNC 7 Stage of Hypertension = severity of blood pressure elevation at study entry

[‖]ACG = Adjusted Clinical Group Case-Mix Assessment System