

The Impact of Hypertension in Kentucky. How Hospitals/Health Systems Can Help.

Kari D. Moore, MSN, RN, AGACNP-BC, ANVP-BC, FAHA Executive Director, Patient Care Experience Regional Brain Institute

Disclosures:

No Financial Disclosures

- Steering Committee, Kentucky Heart Disease and Stroke Prevention Taskforce
- Chair, Stroke Encounter Quality Improvement Project

Hypertension: National Prevalence, Control, and Treatment

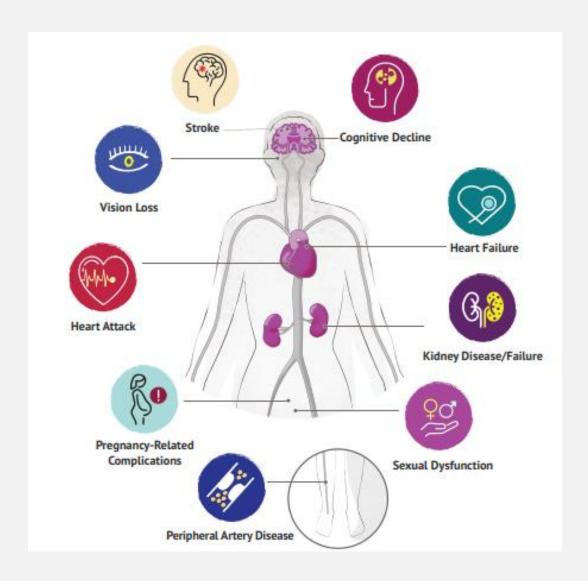


Graphic: 2020 Surgeon General's Call to Action to Control Hypertension

Centers for Disease Control and Prevention (CDC). Hypertension Cascade: Hypertension Prevalence, Treatment and Control Estimates Among US Adults Aged 18 Years and Older Applying the Criteria From the American College of Cardiology and American Heart Association's 2017 Hypertension Guideline—NHANES 2013–2016. Atlanta, GA: US Department of Health and Human Services; 2019

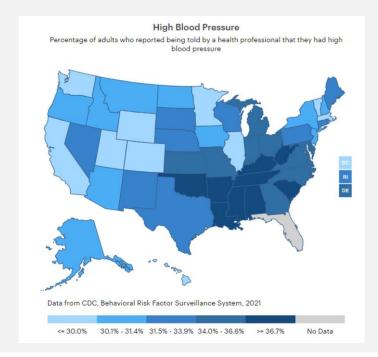
"Silent Killer"

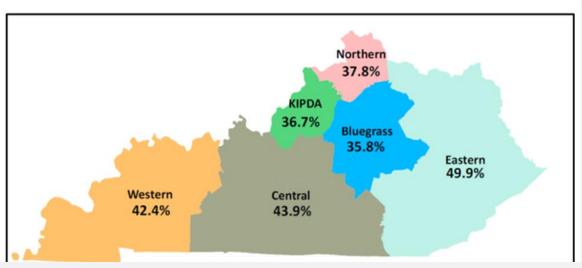
- Total health care cost \$131-198 billion annually
- By 2035 expected to exceed estimated \$220 billion annually
- Impacts
 - Quality of life
 - Associated with poor health outcomes
 - Lost productivity; Absenteeism
- Health Equity & SDOH
 - Patient
 - Family and support systems
 - Health care providers/health systems
 - Implicit bias
 - Local, state, and national health policies



Hypertension Demographics: Kentucky

Prevalence of High Blood Pr	essure Among Kei	ntucky Adults 2021 BRFSS
Characteristics	%	95% CI
Overall	39.9	38.2 - 41.7
Sex		
Male	42.3	39.8 - 44.9
Female	37.7	35.2 - 40.1
Race Ethnicity		
White (non-Hispanic)	39.8	38.0 - 41.6
Black (non-Hispanic)	50	42.4 - 57.6
Multiracial (non-Hispanic)	37.8	20.6 - 55.0
Hispanic	25.2	14.7 - 35.8
Age (years)		
18-24	12.8	8.8 - 16.8
25-34	20.6	16.6 - 24.7
35-44	29.4	25.1 - 33.7
45-54	43.8	39.2 - 48.3
55-64	52	47.9 - 56
65+	64.1	61 - 67.2
Education		
Less than High School	52.3	45.9 - 58.8
High School or G.E.D.	43.2	40.1 - 46.4
Some post High School	37.5	34.4 - 40.7
College graduate	31.4	28.6 - 34.1
Income		
< \$15,000	57.6	50.5 - 64.7
\$15,000 - \$24,999	52.2	46.5 - 58
\$25,000 - \$34,999	42.2	36.7 - 47.7
\$35,000 - \$49,999	40.6	35.5 - 45.7
\$50,000 - \$99,999	35.1	31.6 - 38.7
\$100,000 - \$199,999	29.8	25.4 - 34.3
\$200,000+	20.1	12.1 - 28
* CI = confidence interval		





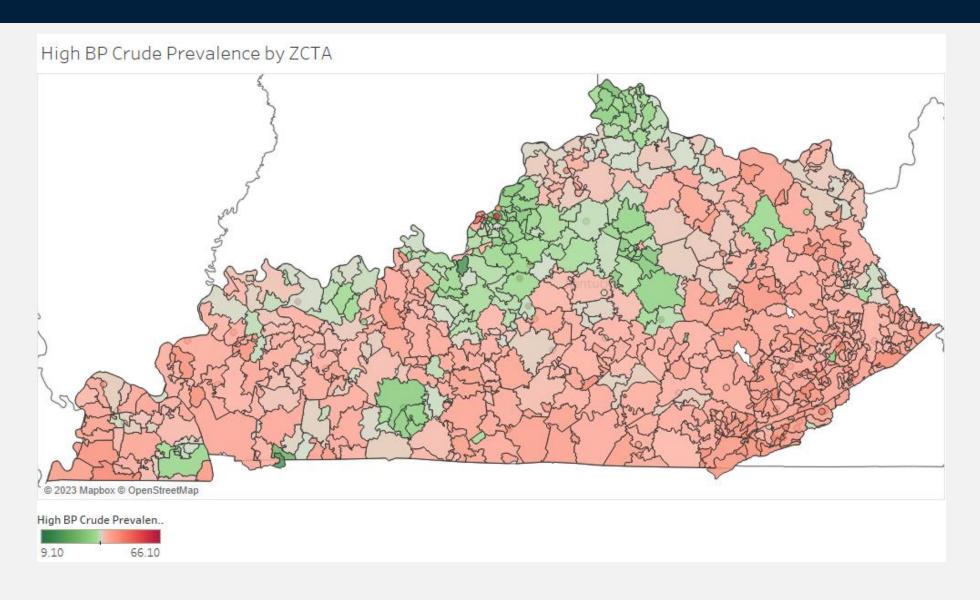
Source: CDC BRFSS Prevalence and Trends Data. Accessed at

 $https://nccd.cdc.gov/BRFSSPrevalence/rdPage.aspx?rdReport=DPH_BRFSS.ExploreByLocation\&rdProcessAction=\&SaveFileGenerated=1\&irbLocationType=States\&islLocation=21\&islState=\&islCounty=\&islClass=CLASS10\&islTopic=TOPIC31\&islYear=2021\&irbShowFootnotes=Show\&rdlCL-\\$

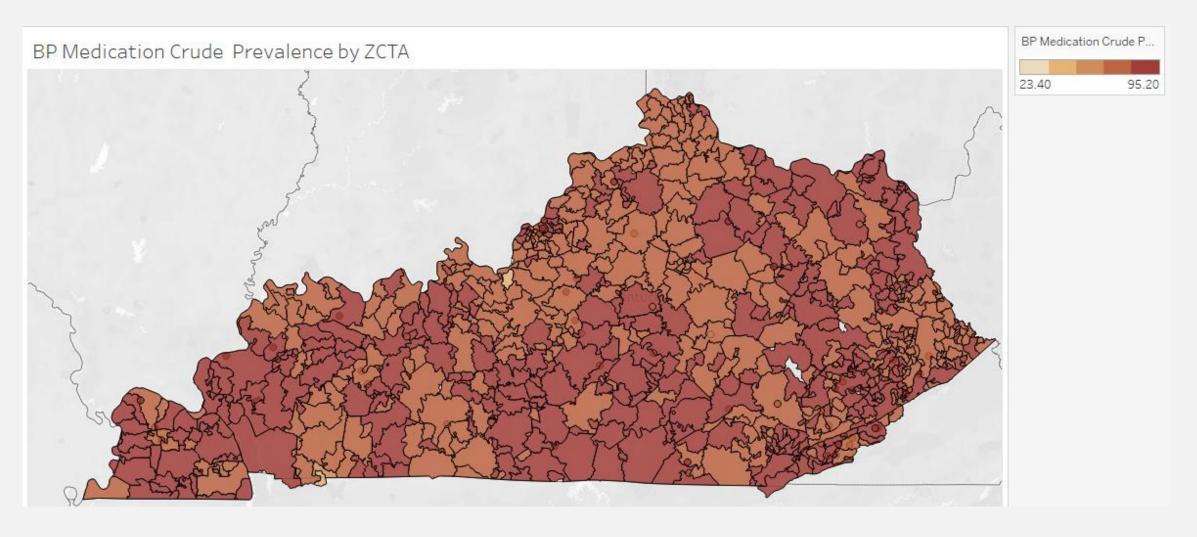
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He et al., AM J Prev Med. 2024

High BP Crude Prevalence by ZCTA

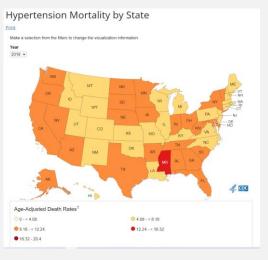


BP Medication Crude Prevalence by ZCTA

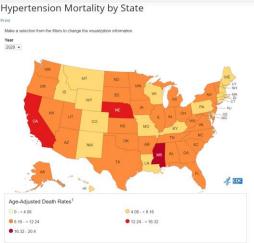


Hypertension Mortality By State

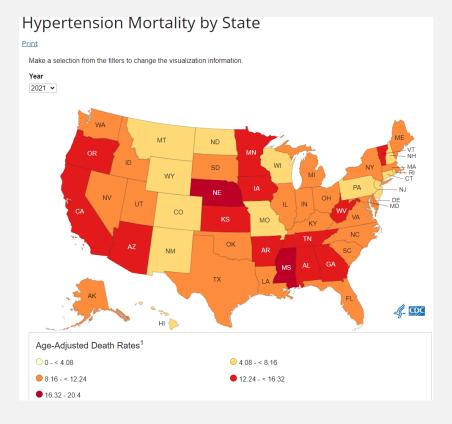
2019



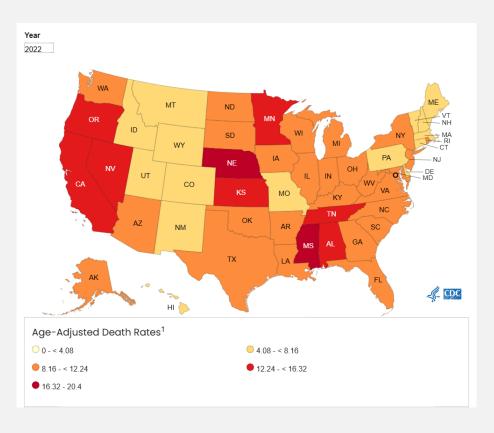




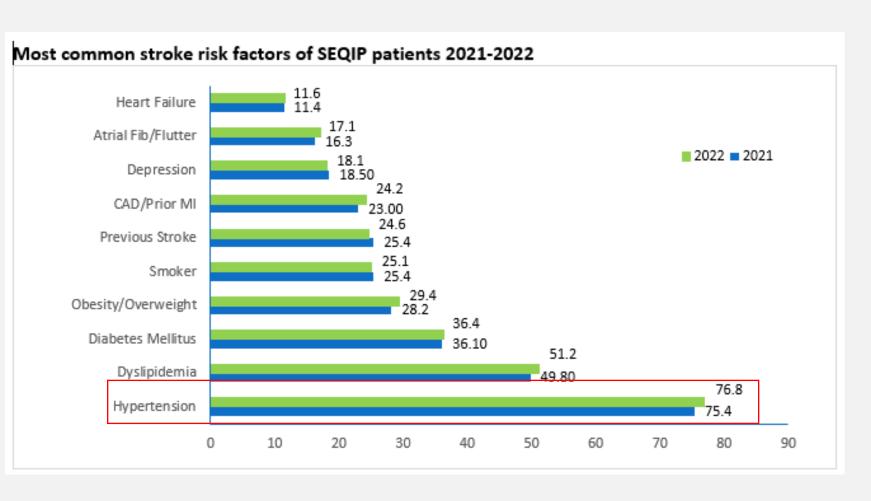
2021

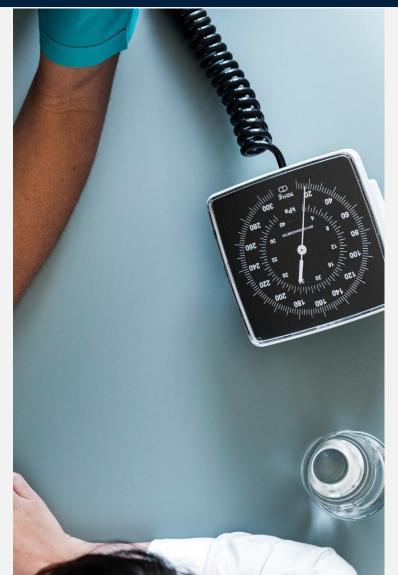


2022



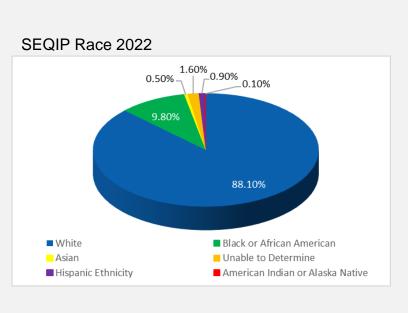
Hypertension in Kentucky Stroke Patients



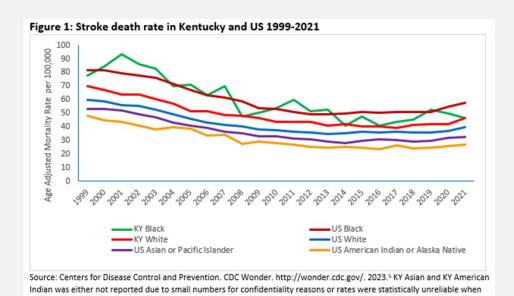


Stroke in Kentucky - 2022

- #5 cause of death in Kentucky
- > 15,000 admissions
- Total inpatient hospital charges > \$ 937 Million





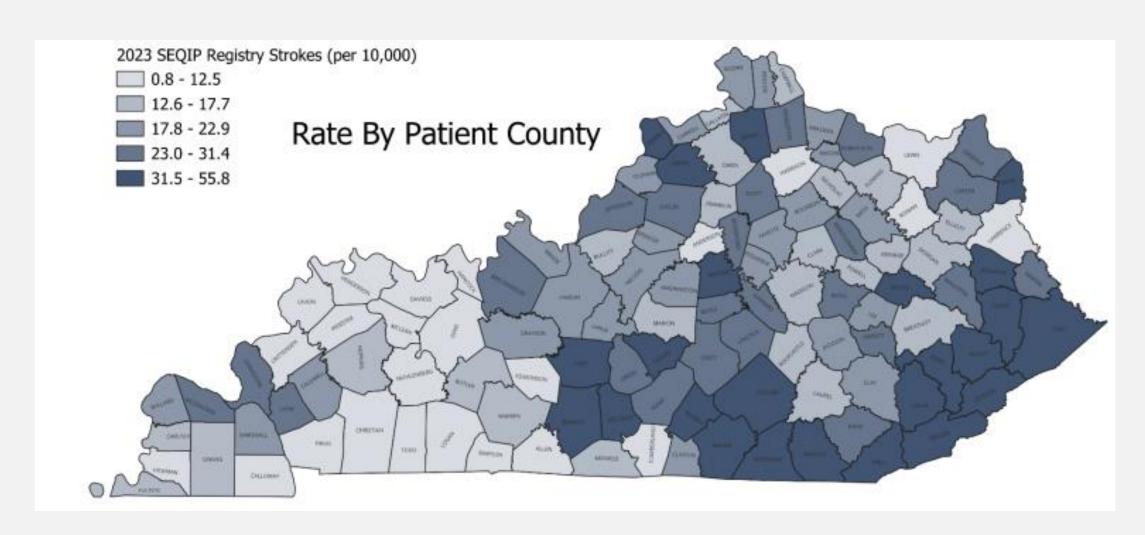


the numerator was <20.

Kentucky Hospital Inpatient Claims 2022; Kentucky Cabinet for Health and Family Services, Office of Data Analytics);

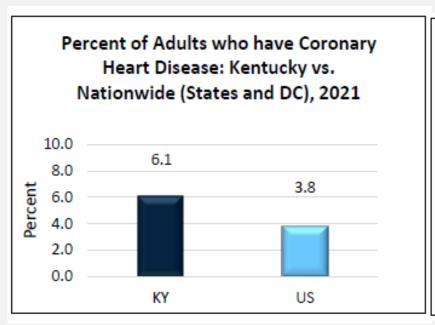
Kentucky Stroke Registry – GWTG® 2023

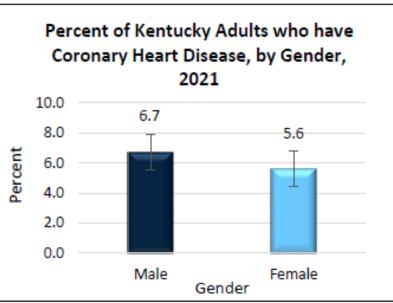
KY Stroke Mortality Rate 2023

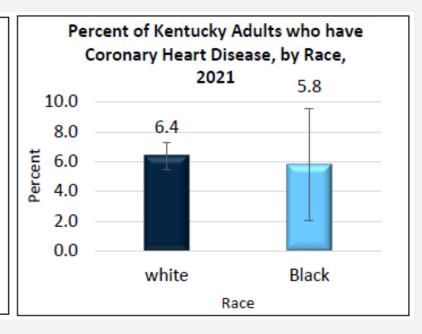


Heart Disease in Kentucky - 2022

#1 Cause of death in Kentucky
Total inpatient hospital charges >\$4.5 Billion

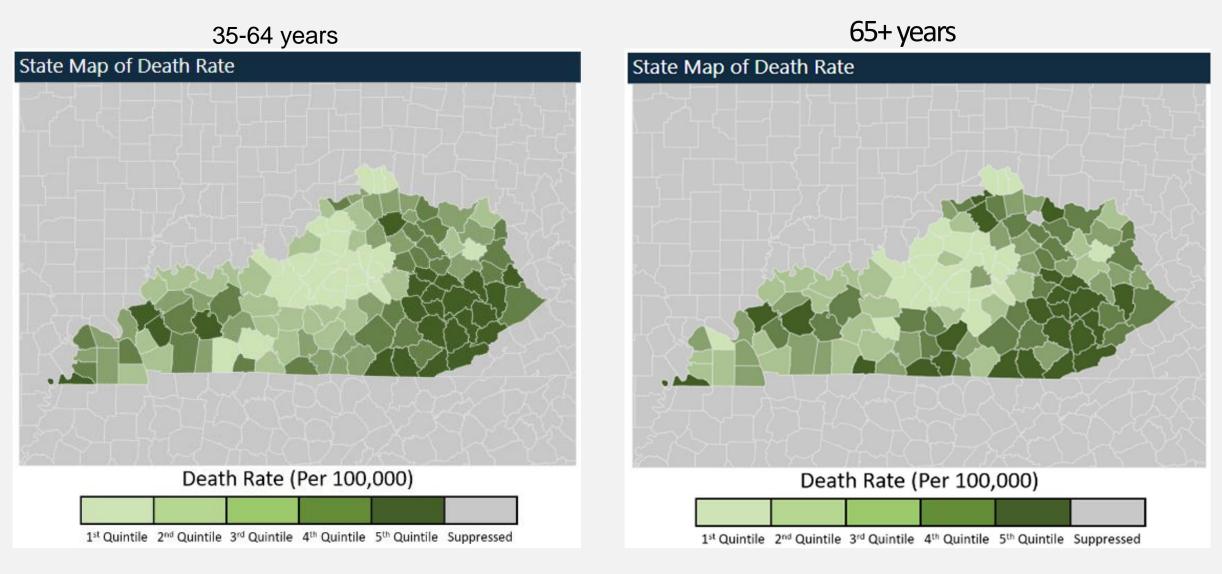






Kentucky Department for Public Health (KDPH) and the Centers for Disease Control and Prevention (CDC). Kentucky Behavioral Risk Factor Survey (KyBRFS) Data. Frankfort, Kentucky: Cabinet for Health and Family Services, Kentucky Department for Public Health, [2021 data].(S. Kanotra, J. Boulay, personal communication, Aug 8, 2023).

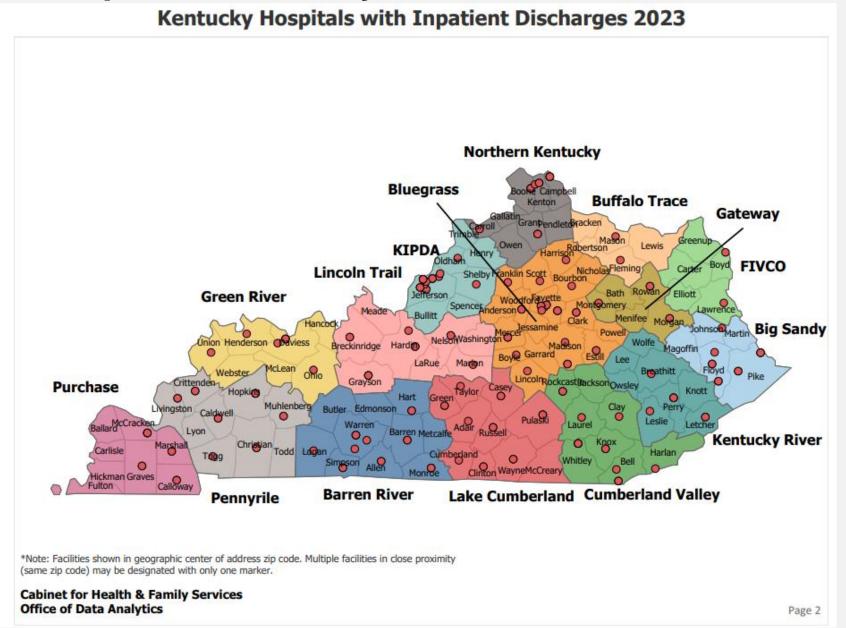
Heart Disease Death Rate 2019, All Races, All Genders 35-64 years



Centers for Disease Control and Prevention. Local Trends in Heart Disease and Stroke Mortality Dashboard. https://www.cdc.gov/dhdsp/maps/hd-stroke-mortality-dashboard.htm. Accessed Sept 25, 2023.

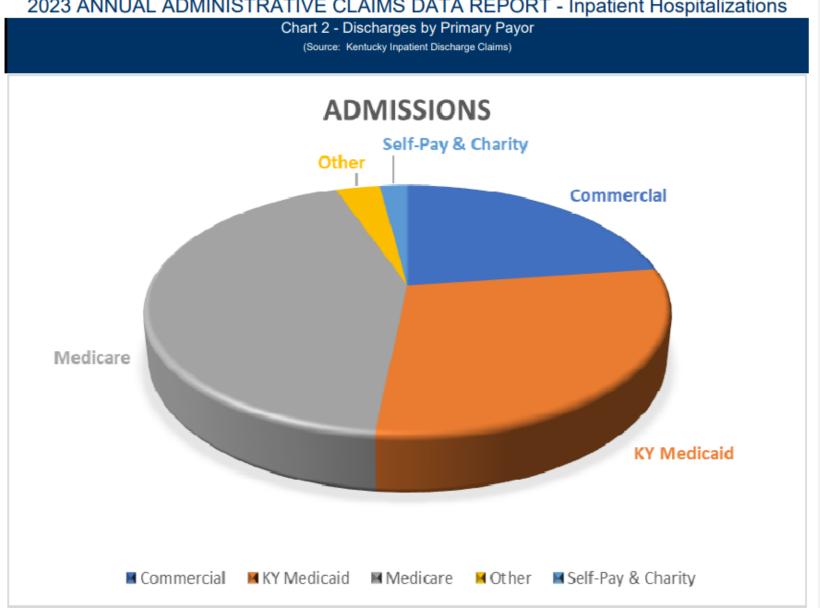
Inpatient Impact

Hospitals/Health Systems as Stakeholders

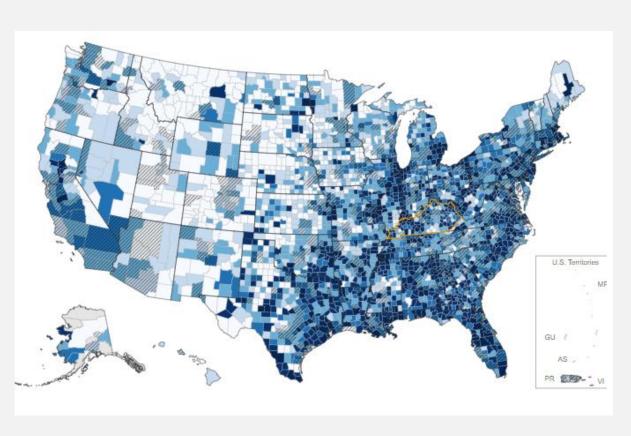


Kentucky Payor Source 2023

2023 ANNUAL ADMINISTRATIVE CLAIMS DATA REPORT - Inpatient Hospitalizations



Hypertension Hospitalizations 2022 - Medicare Beneficiaries







2023 ANNUAL ADMINISTRATIVE CLAIMS DATA REPORT

Table 2.00 - Inpatient Hospital Discharges - Leading 25 MS DRGs (Source: Kentucky Inpatient Discharge Claims)

(Source: Kentucky Inpatient Discharge Claims) All Kentucky Hospitals					
MS DRG	Discharges	% of Total	Avg LOS	Avg Charge	Avg Age
885 - PSYCHOSES	32,337	5.9%	8.00	\$21,475.88	32.63
871 - SEPTICEMIA W/O MV 96+ HOURS W MCC	28,605	5.2%	6.00	\$62,881.71	66.94
795 - NORMAL NEWBORN	27,409	5.0%	1.00	\$5,243.74	0.00
807 - VAGINAL DELIVERY W/O STERILIZATION WO/CC/MCC	20,370	3.7%	2.00	\$15,174.74	27.12
291 - HEART FAILURE & SHOCK W MCC	14,278	2.6%	5.00	\$40,648.65	71.96
794 - NEONATE W OTHER SIGNIFICANT PROBLEMS	12,868	2.4%	2.00	\$8,856.57	0.00
189 - PULMONARY EDEMA & RESPIRATORY FAILURE	9,873	1.8%	11.00	\$62,286.53	54.73
897 - ALCOHOL/DRUG ABUSE OR DEPENDENCE W/O REHABILITATION THERAPY W/O MCC	9,543	1.7%	6.00	\$17,925.77	42.33
193 - SIMPLE PNEUMONIA & PLEURISY W MCC	8,795	1.6%	4.00	\$41,100.29	67.46
806 - VAGINAL DELIVERY W/O STERILIZATION W/CC	8,109	1.5%	2.00	\$16,478.83	27.57
788 - CESAREAN SECTION WO/STERILIZATION WO/CC/MCC	7,308	1.3%	2.00	\$27,675.31	28.10
177 - RESPIRATORY INFECTIONS & INFLAMMATIONS W MCC	7,107	1.3%	6.00	\$53,083.67	71.37
872 - SEPTICEMIA W/O MV 96+ HOURS W/O MCC	6,766	1.2%	4.00	\$33,522.03	58.62
853 - INFECTIOUS & PARASITIC DISEASES W O.R. PROCEDURE W MCC	5,190	0.9%	13.00	\$161,557.43	61.67
392 - ESOPHAGITIS GASTROENT & MISC DIGEST DISORDERS W/O MCC	5,190	0.9%	3.00	\$26,009.29	55.83
787 - CESAREAN SECTION WO/STERILIZATION W/CC	5,107	0.9%	3.00	\$29,754.24	28.92
683 - RENAL FAILURE W CC	4,627	0.8%	3.00	\$29,641.93	67.34
247 - PERC CARDIOVASC PROC W DRUG-ELUTING STENT W/O MCC	4,619	0.8%	2.00	\$108,424.42	63.35
280 - ACUTE MYOCARDIAL INFARCTION DISCHARGED ALIVE W MCC	4,533	0.8%	5.00	\$54,829.74	70.28
190 - CHRONIC OBSTRUCTIVE PULMONARY DISEASE W MCC	4,447	0.8%	4.00	\$34,684.30	68.23
690 - KIDNEY & URINARY TRACT INFECTIONS W/O MCC	4,165	0.8%	3.00	\$25,945.91	67.66
641 - NUTRITIONAL & MISC METABOLIC DISORDERS W/O MCC	3,958	0.7%	3.00	\$24,565.52	58.55
065 - INTRACRANIAL HEMORRHAGE OR CEREBRAL INFARCTION W CC	3,933	0.7%	4.00	\$47,938.59	69.23
682 - RENAL FAILURE W MCC	3,909	0.7%	6.00	\$49,883.21	70.14
603 - CELLULITIS W/O MCC	3,764	0.7%	3.00	\$25,809.93	55.20
All Others	299,922	54.9%	5.75	\$87,058.52	59.76
Statewide	546,732	100.00%	5.94	\$91,736.59	57.33

8/25 MS DRGs

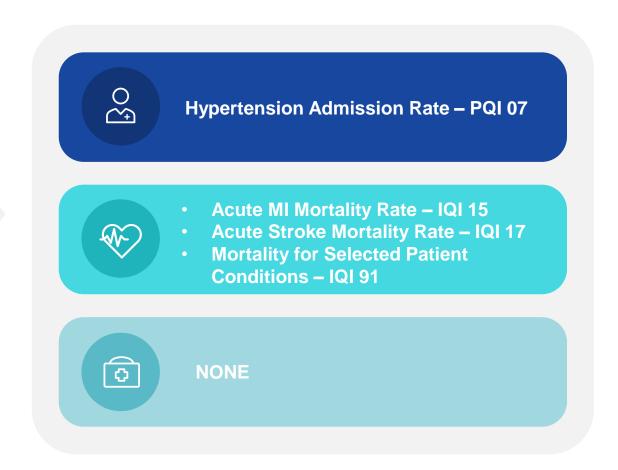
- Pregnancy
- Heart Disease
- Stroke
- Kidney Disease

American Hospital Association Quality Indicators Related to Hypertension

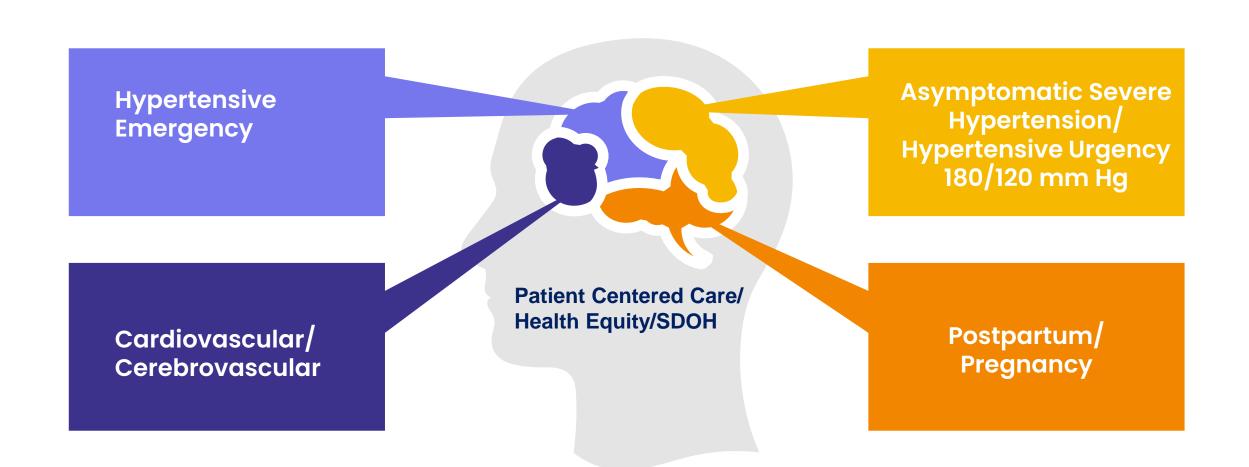
Prevention Quality Indicators (PQIs)

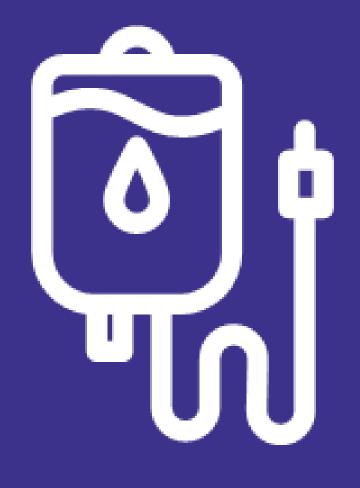
Inpatient Quality Indicators (IPIs)

Patient Safety Indicators (PSIs)



Goal: Protocol Driven/Team Based Care Delivery





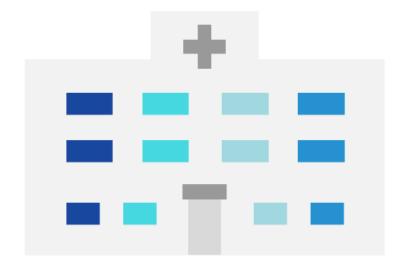
Hypertensive Emergency

ED Visits and Admissions Hypertensive Crisis/Emergency

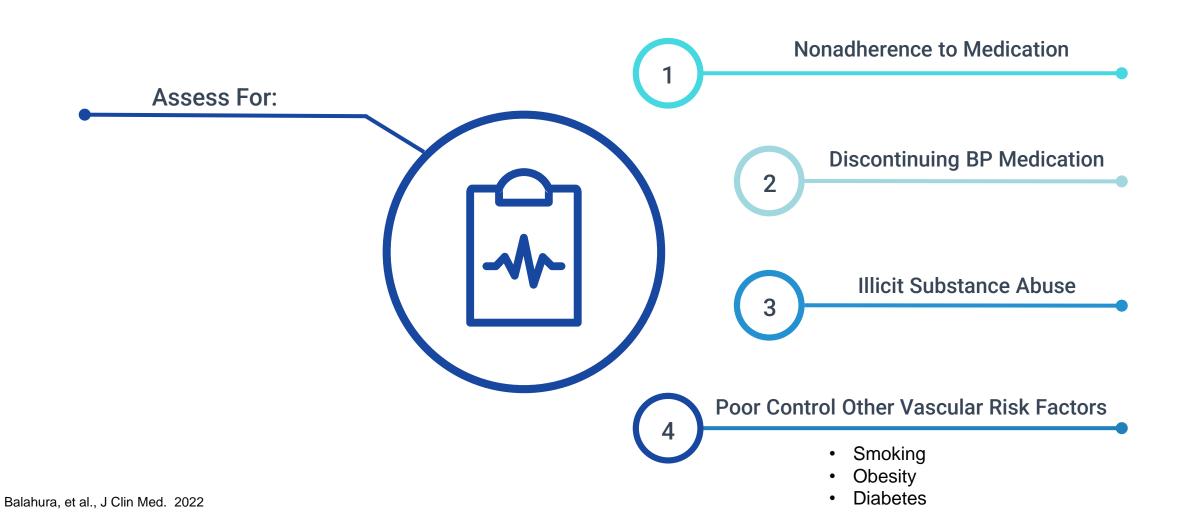
TEAM KENTUCKY								
AND FAMILY SERVICES								
Office of Data Analytics in The Office of the Secretary HFSD-241987 - Emergency Department Visits and Admissions due to Hypertension Created By: Michael Lawson Statewide Totals of Inpatient and Outpatient ED Encounters Created Date: 2/28/2024 Evaluation Period: 2017-2022							Statewide Outpatient ED encounters and Inpatient encounters admitted from the ED with a discharge date between 1/1/2017 - 12/31/2022 and a principal diagnosis ICD-10 code of I16.0, I16.1, or I16.9	
	2017	2018	2019	2020	2021	2022	Total	110.9
INPATIENT ED ADMISSIONS	1,835	1,855	2,072	1,798	1,889	1,935	11,384	
INPATIENT ED TOTAL CHARGES	\$50,111,576.28	\$53,485,943.35	\$62,242,319.48	\$56,655,037.43	\$65,400,734.44	\$73,030,369.50	\$360,925,980.48	
OUTPATIENT ED ENCOUNTERS	2,438	2,826	3,151	2,867	3,193	3,411	15,050	
OUTPATIENT EDTOTAL	\$20,393,700.42	\$25,000,863.27	\$31,035,984.04	\$29,661,634.89	\$36,191,827.90	\$43,282,539.06	\$185,566,549.58	
Total visits	4,273	4,681	5,223	4,665	5,082	5,346	29,270	
							\$546,492,530.06	

Hypertensive Emergency

- Signs or symptoms of end organ damage
- No specific blood pressure range for diagnosis
- 2023 Systematic review and meta-analysis
 - Prevalence of hypertensive emergency among patients presenting with hypertensive crisis to the ED was 50%.
 - 10% in hospital mortality rate
 - Ischemic stroke most prevalent HMOD 28%
 - Most common complications of hypertensive emergency are ischemic stroke (38%), pulmonary edema/acute CHF (35%), and coronary syndrome (25%)
 - 1 year death rate 79% with median survival 10.4 months untreated
 - ❖Insufficient resources placed on control of chronic hypertension post discharge
 - ❖12-month mortality rate 12-38.9%
- US STAT (Studying the Treatment of Acute Hypertension) Registry
 - In hospital mortality rate 11%



Most Common Predisposing Factors



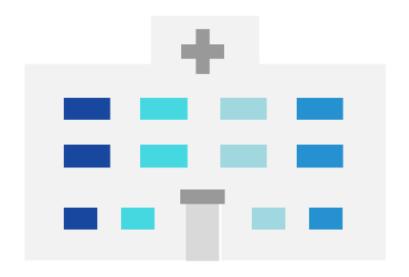


Hypertensive Emergency



Includes:

- Dissecting aortic aneurysm
- Acute pulmonary edema
- Acute MI
- Unstable angina
- Acute renal failure
- Acute intracerebral hemorrhage
- Acute cerebral ischemia



- Hypertensive Encephalopathy
- Eclampsia or pre-eclampsia
- Peri-operative hypertension
- Pheochromocytoma crisis
- Sympathomimetic hypertensive crisis caused by illicit substance abuse
- Abrupt cessation of some medications









Hypertensive Emergency Management



Goal of 25% reduction in first hour, and then if stable, to <160/<100 in next 2-6 hours; then normalize over next 24-48 hours.

Exceptions:

- ■Acute aortic dissection (SBP < 120 in 20 minutes)</p>
- ■Severe pre-eclampsia (SBP < 140 in one hour)
- ■Acute ischemic stroke (thrombolytic candidate < 185/110)</p>
- ■Acute ischemic stroke (Do not treat unless > 220/120)
- ■Spontaneous ICH (SBP < 130-150). **< 130 is harmful

Tailored Treatment Necessary (Protocol driven by clinical condition)

Target end organ

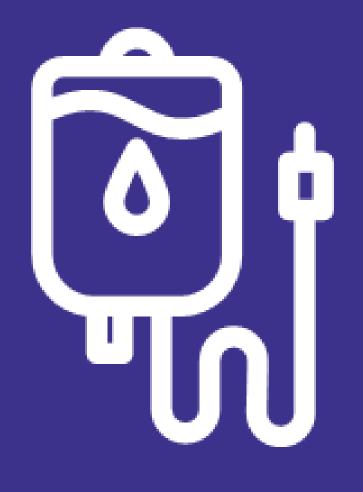
Comorbidities

Specific drug pharmacokinetics and possible adverse reactions









Severe Asymptomatic Hypertension

Severe Asymptomatic Hypertension

- Severe BP elevation SBP > 180 and/or DBP > 120 in otherwise stable patients without acute or impending change in target organ damage
 - No clinical or laboratory evidence of end organ damage
- No RCTs evaluating treatment and target BP
- No current guidelines for management
- Inpatient BPs may be transiently elevated due to hospitalization factors
 - Pain, Fever, Delerium, Anxiety, Incorrect BP measurement technique
- More evidence is needed to optimize management

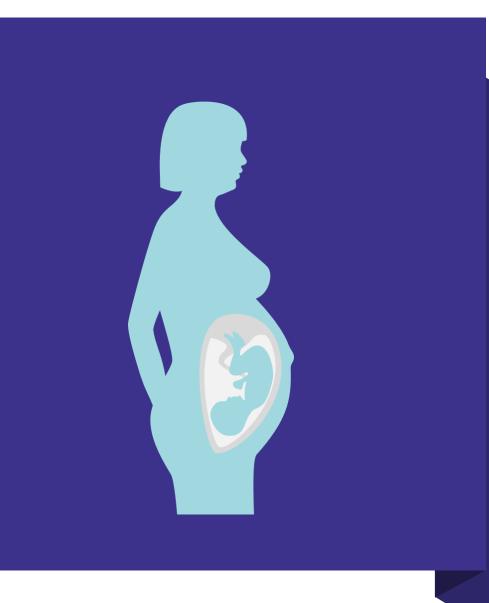


Severe Asymptomatic Hypertension Treatment: Current Evidence

- Duration of time to benefit in hospital usually measured in hours to days
- Patients treated with IV or oral antihypertensive medications (in addition to home medications) are more likely to experience:
 - Increased LOS
 - Transfer to the ICU for hypotension
 - AKI
 - MI
 - Mortality
- Current evidence suggests:
 - Need for conservative management in general avoid IV antihypertensives
 - Processes and protocols that support adequate transitions of care and f/u



INPATIENT HYPERTENSION: to treat or not to treat?					
Study	Patient population	Exposure	Outcomes	Results	
Anderson TS, et al, 2018	Retrospective cohort study, patients over 65 years from VHA, non- cardiac conditions N=14 915 older adults (median age 76	Intensified anti-HTN regimen (higher doses of preexistent drugs)	Intensification of antihypertensive treatment at discharge compared with drugs used before admission	14% patients discharged with intensified anti-HTN *No differences in rates of intensification among patients with limited life expectancy, dementia, or metastatic malignancy	
Jacobs ZG, et al, 2019	yrs) Adults hospitalized to the general medicine service with at least one episode of elevated BP N= 3240	Quality improvement initiative aiming to reduce IV anti hypertensive meds	Number of patients whom receive IV antihypertensives Systolic BP for those receiving IV medication	IV antihypertensives: 11 vs 7% (OR 0.62, CI 95%, 0.47-0.83) Systolic BP: 167 vs 168 mmHg (p=0.78)	
Pasik SD, et al, 2019	IV antiHTN orders from non-surgical hospital admissions N= 260	Decrease number of inappropriate orders (without symptoms of HTN emergency or HTN and associated adverse events	Inappropriate orders Adverse events from inappropriate orders	Inappropriate orders: 8.3 vs 3.3 orders/ 1000 pts-day (p=0.0099) Adverse events: 3.7 vs 0.8 events/1000 pts-days (p=0.0072)	
Anderson TS, et al, 2019	Retrospective cohort study, (>65 yrs), admitted for pneumonia, UTI, or VTE, and discharged to community N= 14 915	Intensified treatment on discharge or no intensified treatment	30 days readmission 30 days SAEs 1-year cardiovascular events	30 days readmission 21.4 vs 17.7% (HR 1.23 Cl 95% 1.07-1.42) 30 days SAEs 4.5 vs 3.1% (HR 1.41 Cl 95% 1.06-1.88) 1-year cardiovascular events 13.8% vs 11.9% (HR=1.18, Cl 95% Cl 0.9-1.4)	
Rastogi R et al, 2021	Inpatient, non-cardiac admissions with a least one episode of SBP> 140 mmHg N= 17 821	Treatment vs not treatment	Composite of AKI, MI, stroke Individual outcomes	Composite 12.5 vs 6.1* AKI: 11.7% vs 5.8%* MI:1.3 vs 0.4%* Stroke: 0.1 vs 0.1% *Statistically significant	
Mohandas et al, 2021	Inpatient, non-intensive care, obstetric, or surgical admission, receiving antiHTN drug N= 42 771	Treatment with PRN and scheduled anti-HTN agent vs schedule anti-HTN drug	AKI Stroke Abrupt lowering (>25% BP lowering within 1h) In hospital mortality Hospitalization duration	AKI 15 vs 12.8%* Stroke 0.4 vs 0.1 %* Abrupt lowering 11.1 vs 5.9%* In hospital mortality 0.8 vs 0.3%* Hospitalization duration 4.7 vs 2.9 days* *Statistically significant	
Bean-Thompson K et al, 2021	Hospitalized patients with an order for an IV PRN antihypertensive medication N= 5680	Treatment with I.V. PRN vs no I.V.	Hospitalization duration In hospital mortality	IV drugs vs untreated 4.9 vs. 3.1 days* 3.3 vs. 1.6%* *Statistically significant	
Ghazi L et al, 2023	Retrospective multihospital cohort, non- intensive care unit hospitalizations. Patients with HTN, no end organ damage N= 224 265	HTN during hospitalization without acute target end organ damage (SBP>180 or SBD >110 mmHg) Treatment= receiving i.v. antiHTN within 3 h of BP elevation.	IV drugs vs untreated MI Stroke AKI Death	MI 5.9 vs 3.6% HR 1.52 (CI 95% 1.08-2.14) Stroke 0.7 vs 0.7% (CI 95%, 0.3-1.62) AKI 23.1 vs 17.7% HR 0.97 (CI 95% 0.81-1.17) Death 2.6 vs 1.3% HR 0.86 (CI 95% 0.49-1.51)	
AKI- acute kidney injury MI- myocardial infarction Anti-HTN- antihypertensi UTI- urinary tract infectio VTE- venous thromboem	ive n		Cristina Popa, MD @NephroSeeker Jithu Kurian, MD @Jithukurian6	#NephJC	



Postpartum Hypertension

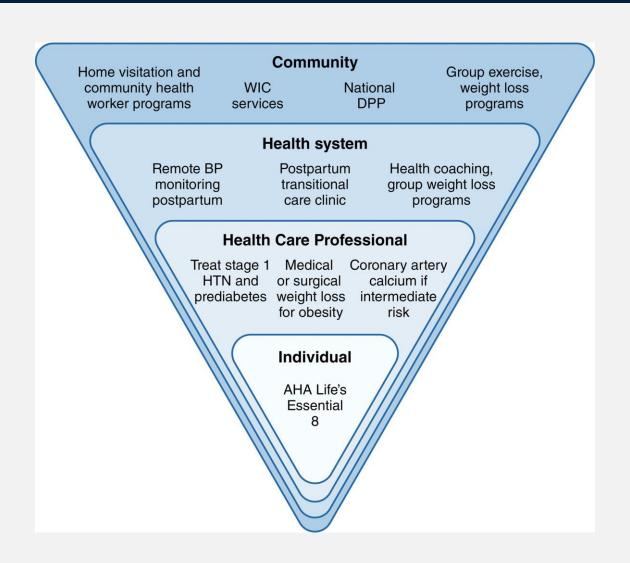
Postpartum Hypertension

- Hypertensive disorders of pregnancy complicate approx. 10% of pregnancies
- Serious risk during pregnancy and postpartum for stroke and seizure
- Responsible for 15-20% of postpartum readmissions and ED visits in the US
- Patients with BP > 140/90 12-24 hours before discharge have increased risk for readmission
- Peaks postpartum days 3-6
- Current guidelines recommend BP check 3-10 days after discharge, however up to 60% of readmission occur prior to the outpatient visit
- Remote BP monitoring after discharge has been shown to reduce readmissions
- Has become a focus for QI in health systems

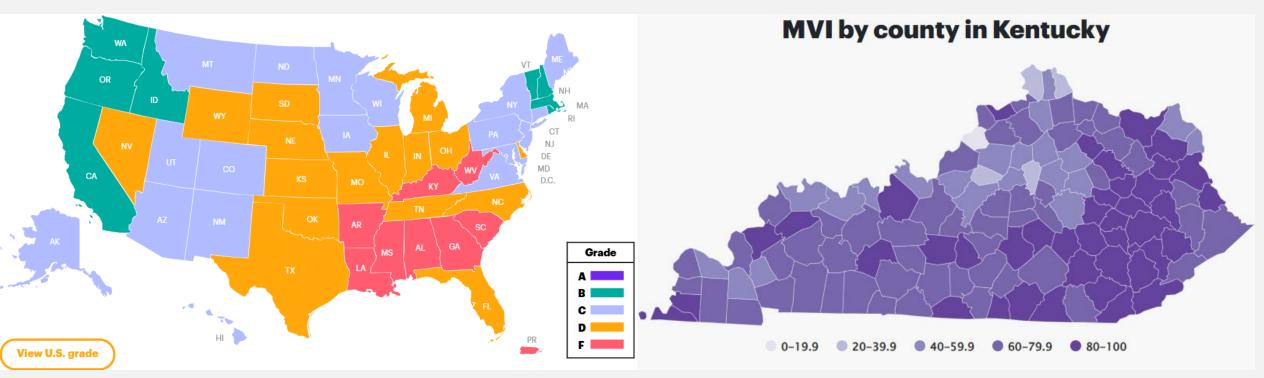


Postpartum Hypertension Transitions of Care

- B Patient Education
- B Home BP monitoring
- Text based communication
- Phone calls
- E Telemedicine programs
- SDOH Screening and community referrals
- Lifestyle Interventions
 - B Healthy weight
 - B Healthy diet
 - 8 Regular physical activity
- Establish care with PCP
- Cardiovascular Risk Factor Screening
 - 8 6 wks, 12 wks, 6 months, 12 months



March of Dimes Maternal and Infant Morbidity and Mortality

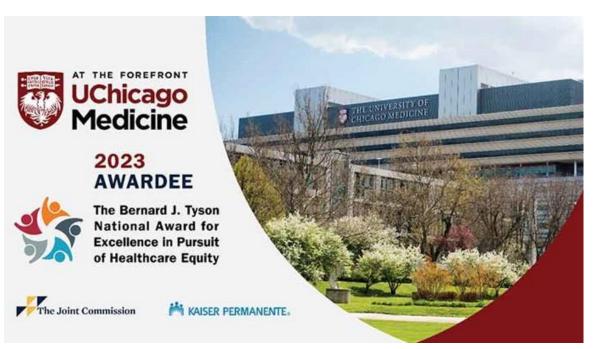


Maternal Mortality per 100,000		
US	Kentucky	
23.5	38.4	

Factors related to maternal vulnerability

- SDoH
- Physical Health
- Physical Environment
- Reproductive Healthcare
- Mental Health and Substance abuse

Systemic Treatment and Management of Postpartum Hypertension (STAMPP-HTN)

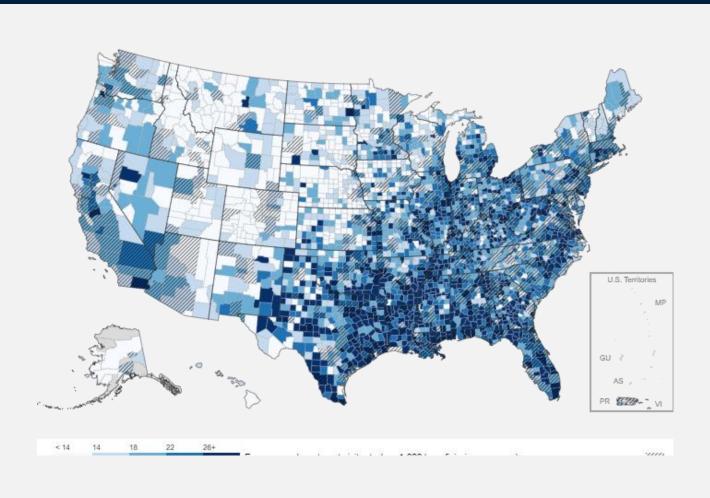


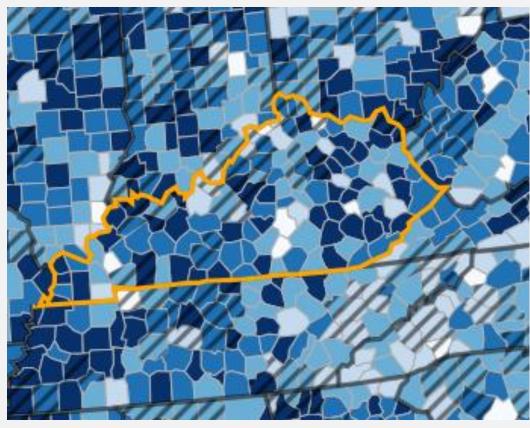
Bridging the Gap in Postpartum Hypertension

- Education to all patients and care providers
- Updated clinic protocols for patients
- Distribution of a STAMPP-HTN kit, which includes a blood pressure monitor, instructions, warning signs, and a preeclampsia alert wrist bracelet, to all postpartum patients with an HDP
- Consistent scheduling of follow-up appointments before discharge
- Standardized protocols and workflows for the management of patients after hospital discharge

Outpatient Setting

ED Visits for Hypertension – 2022 Medicare Beneficiaries







Reasons to Address as a Hospital/Health System



Financial

- Readmissions
- Complications/LOS
- Regulatory Bodies
- Value Based/Bundled Care
- Prevent comorbidities

SDOH/HRSN

- Patient Centered Care
- Regulatory Body Requirement
- Financial penalties if not assessed or met
- Health Equity

Quality

- Disease Specific
 Care Certifications
- Payor Incentives
- AHRQ
- CMS
- NCQA
- NQF

Recognition

- Millions Hearts®
- Target BP™/AMA
- HRSA Health Center Program

Blood Pressure Reduction and Decreased Cardiovascular Event Risk

- Cardiovascular incidence and mortality increase with BP higher than 115/75 mm Hg
- Optimal BP in general population < 120/80 mm Hg

Impact on Mortality - SBP					
Reduction in SBP	Stroke	CHD	Total Mortality		
2 mm Hg	-6%	-4%	-3%		
3 mm Hg	-8%	-5%	-4%		
5 mm Hg	-14%	-9%	-7%		

Age	SBP Blood Pressure Reduced by 10 mm Hg = Decreased Stroke Risk
< 60	54%
60-69	36%
≥ 70	25%

Stroke, 2017

JAMA, 2002

 Decrease in 20 mm Hg SBP and 10 mm Hg DBP associated with > 2-fold decrease in stroke mortality

Lancet, 2002

DBP Reduction	Decreased Stroke Risk
5 mm Hg	34%
7.5 mm Hg	46%
10 mm Hg	56%

Lancet, 1990

Outpatient Populations to Consider Protocol Driven Evaluations/Team Based Care for Hypertension

	based Care for Hype	ertensior					
CMS	S CY 2024 Final Rule	Medical Team	Indicator	Quality #	Medicare Claims Part B/ MIPS CQMs/ eCQM ID	Measure Type	Measure Title
•	Controlling High Blood Pressure Preventive Care and Screening MIPS CQM	Audiology		317	CMS22v12	Process	Preventive Care and Screening for High Blood Pressure and follow up documented: % of patients ≥ 18 years of age screened for high blood pressure AND recommended for f/u plan as appropriate for elevated BP or hypertensive
	eCQMMedicare Part B Claims Measure Specification	Cardiology	Outcome	236	CMS165v12	Intermediate Outcome	Controlling High Blood Pressure - % of patients 18-85 with diagnosis of essential hypertension controlled < 140/90 mm Hg
	Telehealth eligible	Endocrinology	Outcome	236	CMS165v12	Intermediate Outcome	Controlling High Blood Pressure
•	CMS Quality Payment ProgramCardiology	Family Medicine	Outcome	236	CMS165v12	Intermediate Outcome	Controlling High Blood Pressure
	Internal MedicineFamily Medicine	Internal Medicine	Outcome	236	CMS165v12	Intermediate Outcome	Controlling High Blood Pressure
•	NQF 18	OBGYN	Outcome	236	CMS165v12	Intermediate Outcome	Controlling High Blood Pressure
•	CMS Comprehensive Primary Care Plus Initiative	Podiatry		317	CMS22v12	Process	Preventive Care and Screening for High Blood Pressure
•	CMS Medicaid Adult Core Set	Pulmonology	Outcome	236	CMS165v12	Intermediate Outcome	Controlling High Blood Pressure
		Neurology	*****				
https:	//federalregister.gov/d/2023-24184. Accessed	Rheumatology	Outcome	236	CMS165v12	Intermediate	Controlling High Blood Pressure

Outcome

https://federalregister.gov/d/2023-24184. Accesse 2/5/2024

NCQA (HEDIS) – Healthcare Effectiveness Data and Information Set

Effectiveness of Care:

Controlling high blood pressure

The percentage of members 18–85 years of age who had a diagnosis of hypertension (HTN) and whose blood pressure (BP) was adequately controlled (<140/90) during the measurement year

Blood pressure control for patients with diabetes

Percentage of members 18-75 years of age with diabetes (type 1 and 2) whose blood pressure was adequately controlled (<140/90) during the measurement year

Kentucky HEDIS Hypertension Data 2021-2023

Table 1: Kentucky Medicaid MCO Enrollment

MCO ^{1,2}	Enrollment February 2021	Enrollment February 2022	Enrollment February 2023	Percent Change 2021–2023
Aetna	241,561	247,758	249,833	3.4%
Anthem	156,990	169,531	184,783	17.7%
Humana	165,089	167,958	171,623	4.0%
Molina	320,609	328,980	338,986	5.7%
United	140,139	62,829	95,130	-32.1%
WellCare	465,563	484,599	495,435	6.4%
Total	1,489,951	1,461,655	1,535,790	3.1%

¹Source: Cabinet for Health and Family Services, Kentucky Data Warehouse Monthly.

MCO: managed care organization.

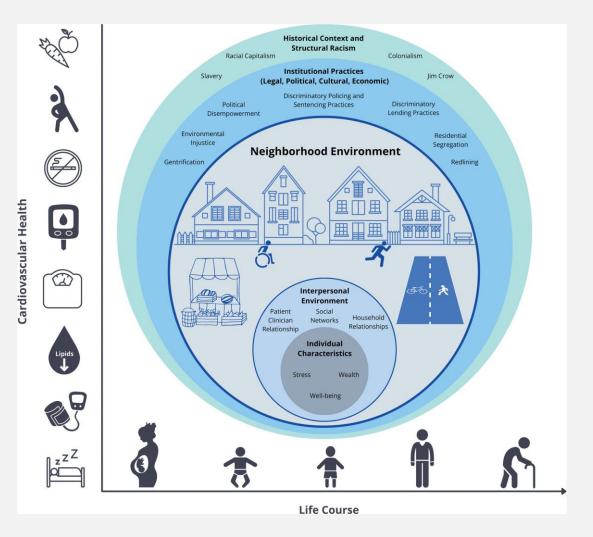
	Data ¹		y HEDIS ominators	Weighted Avera		Trend	Objective
Measure	Admin (A) or Hybrid (H)	MY 2020	MY 2021	MY 2020	MY 2021	Percent Change HEDIS MY 2020 to MY 2021	Statewide Performance Target (Annual 3%/4%/5%) ³ Increase

		1/						
	Goal 2: Improve outcomes asso and asthma.	ciated with p	people with	the chronic	diseases of	diabetes me	ellitus, hyperte	ension, COPD,
	Comprehensive Diabetes Care (CDC): CDC: HbA1c Good Control (< 8.0%)	н	2,055	2,466	42.53%	44.98%	5.76%	46.83%
•	CDC: Blood Pressure Control (< 140/90 mmHg)	н	2,055	2,466	60.43%	57.31%	-5.16%	67.97%
	CDC: Eye Exam (Retinal) Performed	Н	2,055	2,466	48.70%	51.05%	4.83%	54.78%
	Kidney Health Evaluation for Patients With Diabetes (KED)	Α	60,191	66,099	21.52%	24.25%	12.69%	24.20%
	Controlling High Blood Pressure (CBP)	н	2,055	2,466	54.67%	55.52%	1.55%	61.49%



² Membership counts by county; run dates respectively: 2/2/2021, 2/7/2022, and 1/30/2023.

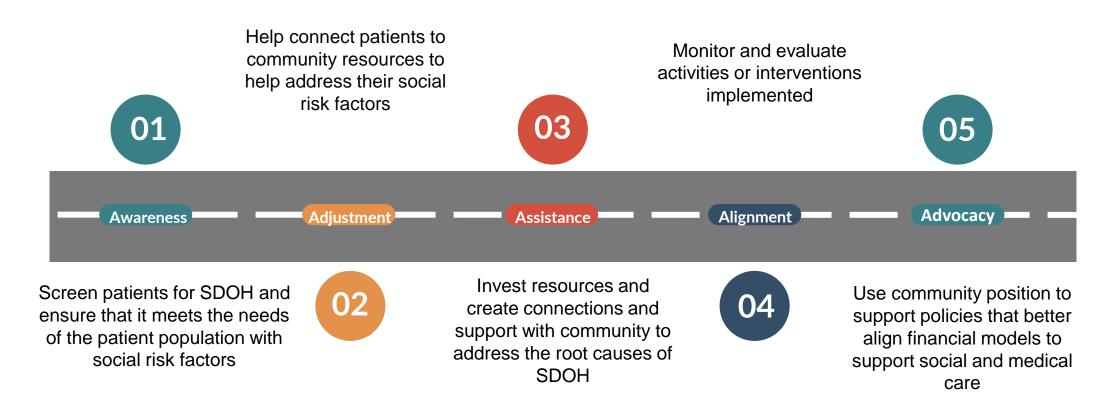
Interventions Designed to Improve Hypertension Control and Cardiovascular Health.....



MUST assess SDOH

- Education
- Housing
- Public transportation
- Employment
- Industrial exposures
- Health care facilities
- Healthy foods
- Spaces for exercise, recreation, and congregation
- Environmental stressors such as safety

Healthcare System Activities That Strengthen Social Care Integration



Adapted from: National Academies of Sciences, Engineering, and Medicine; Health and Medicine Division; Board on Health Care Services; Committee on Integrating Social Needs Care into the Delivery of Health Care to Improve the Nation's Health. Untegrating Social Care into the Delivery of Health Care: Moving Upstream to Improve the Nation's Health. Washington (DC): National Academies Press (US); 2019 Sep 25. Summary. Available from: https://www.ncbi.nlm.nih.gov/books/NBK552593/

SDOH/HRSN Documentation in the EHR

- CMS IQRP Requirement
 - Not met 25% reduction in Medicare payment
 - Screening SDOH
 - » % of beneficiaries 18 or older screened for SDOH
 - » % of beneficiaries 18 or older who screen positive
 - » Hospital commitment to health equity
- Medicare Physician Payments
 - » Physician quality metric for screening for SDOH
 - » Two new equity improvement activities:
 - LGBTQ+
 - Creating and implementing a language access plan
- ACO Health Equity Adjustment
- Community Health Access and Rural Transformation (CHART) Model
- NCQA
- DNV/JC

SDOH Screening

G0136: Recommend Validated Tool – Examples

- CMS Accountable Health Communities Tool
- Protocol for Responding to & Assessing Patients' Assets, Risks, and Experiences (PRAPARE)
- Medicare Advantage Special Needs Population Health Risk

https://essentialhospitals.org/wp-content/uploads/2023/06/Policy-Snapshot-Health-Equity-Requirements-July-2023.pdf. Accessed 2/5/2024

https://www.federalregister.gov/documents/2023/11/16/2023-24184/medicare-and-medicaid-programs-cy-2024-payment-policies-under-the-physician-fee-schedule-and-other. Accessed 2/15/2024

SDOH Documentation in EHR

Z55 - Problems related to education and literacy

- Z55.5 Less than a high school diploma (Added, Oct. 1, 2021)
- NEW

 Z55.6 Problems related to health literacy

Z56 - Problems related to employment and unemployment

Z57 - Occupational exposure to risk factors

Z58 - Problems related to physical environment (Added, Oct. 1, 2021)

- Z58.6 Inadequate drinking-water supply (Added, Oct. 1, 2021)
- Z58.8 Other problems related to physical environment
 - 200.0 Other problems related to physical environment
 - NEW Z58.81 Basic services unavailable in physical environment
 - Z58.89 Other problems related to physical environment

Z59 - Problems related to housing and economic circumstances

- Z59.0 Homelessness (Updated)
 - Z59.00 Homelessness unspecified (Added, Oct. 1, 2021)
 - Z59.01 Sheltered homelessness (Added, Oct. 1, 2021)
 - Z59.02 Unsheltered homelessness (Added, Oct. 1, 2021)
- Z59.1 Inadequate Housing (Updated)
- Z59.10 Inadequate housing, unspecified
- Z59.11 Inadequate housing environmental temperature
- NEW Z59.12 Inadequate housing utilities
- Z59.19 Other inadequate housing
- Z59.4 Lack of adequate food (Updated)
 - Z59.41 Food insecurity (Added, Oct. 1, 2021)
 - Z59.48 Other specified lack of adequate food (Added, Oct. 1, 2021)
- Z59.8 Other problems related to housing and economic circumstances (Updated)
 - Z59.81 Housing instability, housed (Added, Oct. 1, 2021)
 - Z59.811 Housing instability, housed, with risk of homelessness (Added, Oct. 1, 2021)

- Z59.812 Housing instability, housed, homelessness in past 12 months (Added, Oct. 1, 2021)
- Z59.819 Housing instability, housed unspecified (Added, Oct. 1, 2021)
- Z59.82 Transportation insecurity (Added, Oct. 1, 2022)
- Z59.86 Financial insecurity (Added, Oct. 1, 2022)
- Z59.87 Material hardship due to limited financial resources, not elsewhere classified (Added, Oct. 1, 2022; Revised, April 1, 2023)
- Z59.89 Other problems related to housing and economic circumstances (Added, Oct. 1, 2021)

Z60 - Problems related to social environment

Z62 - Problems related to upbringing

- · Z62.2 Upbringing away from parents
- NEW ► Z62.23 Child in custody of non-parental relative (Added, Oct. 1, 2023)
- Z62.24 Child in custody of non-relative guardian (Added, Oct. 1, 2023)
- Z62.8 Other specified problems related to upbringing (Updated)
 - Z62.81 Personal history of abuse in childhood
 - Z62.814 Personal history of child financial abuse
 - Z62.815 Personal history of intimate partner abuse in childhood
 - Z62.82 Parent-child conflict
 - Z62.823 Parent-step child conflict (Added, Oct. 1, 2023)
 - Z62.83 Non-parental relative or guardian-child conflict (Added Oct. 1, 2023)
 - Z62.831 Non-parental relative-child conflict (Added Oct. 1, 2023)
 - Z62.832 Non-relative guardian-child conflict (Added Oct. 1, 2023)
 - NEW Z62.833 Group home staff-child conflict (Added Oct. 1, 2023)
 - · Z62.89 Other specified problems related to upbringing
- NEW Z62.892 Runaway [from current living environment] (Added Oct. 1, 2023)
- Z63 Other problems related to primary support group, including family circumstances
- Z64 Problems related to certain psychosocial circumstance
- Z65 Problems related to other psychosocial circumstances

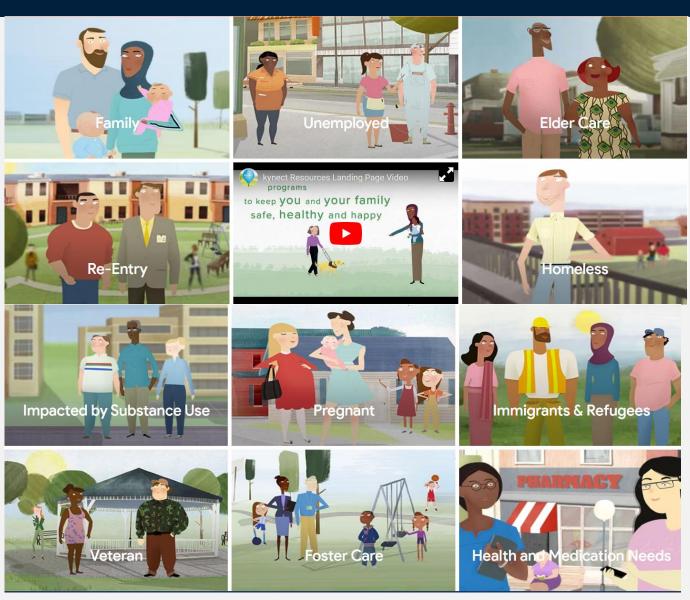




KHIE

ePartner Viewer

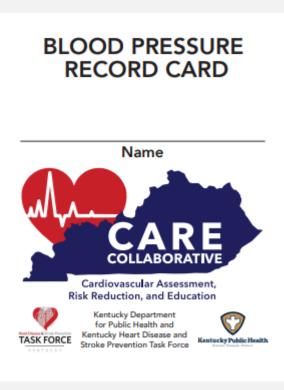
- Standardized Data Tool aligns data through codes to the Kentucky Needs Assessment
- direct link to kynect resources to create referrals
- -kynect offers > 14,000 resources across the Commonwealth





Cardiovascular, Assessment, Risk Reduction, and Education (CARE) SMBP

- Kentucky's Heart Disease and Stroke Prevention Program's Health Change Strategy
 - Heart Attack and Stroke Signs and Symptoms
 - Smoking Cessation
 - Blood Cholesterol
 - Blood Pressure
 - Sodium Reduction
 - Body Mass Index
 - Hemoglobin A1c





CARE SMBP

MEDICAL HISTORY

Please check all that apply: □ Asthma □ Peripheral Vascular Disease (poor circulation) □ Cancer □ Diabetes □ Kidney Disease □ Tobacco Use □ Heart Disease Quit Now Kentucky: □ High Cholesterol 1 (800) QUIT-NOW ☐ High Blood Pressure 1 (800) 784-8669 □ Other Recent Surgeries/Hospitalizations (include month/year and location) Your Self-Management Goals

SIGNS AND SYMPTOMS OF A HEART ATTACK

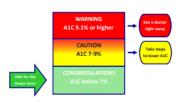
- Chest discomfort lasting more than a few minutes; pressure, squeezing, fullness or pain.
- Discomfort in one or both arms, the back, neck, jaw or stomach.
- Shortness of breath with or without chest discomfort.
- Cold sweat, nausea or lightheadedness.
- Women most often experience chest pain or discomfort, but may be more likely than men to experience shortness of breath, nausea/vomiting, and back or jaw pain.

If you or someone you are with has any of these symptoms, call 911 immediately. HEART ATTACK IS AN EMERGENCY!

KNOW YOUR NUMBERS OUTLIVE YOUR DIABETES

What is a good A1C goal for me?

For most people with diabetes, the A1C goal or target is below 7%.



Ask your health care team to help you decide on the goal that is right for you and steps to reach that goal.

HEART ATTACK IS AN EMERGENCY! reach that goal.

Every minute counts!

Blood Pressure Record Log DATE NORMAL CAUTION 120-139/80-89 ≥140/90

IS IT A STROKE? CHECK THESE SIGNS FAST

FACE Does the FACE look uneven?
Ask them to smile.

ARM Does one ARM drift down? Ask them to raise both arms.

SPEECH Does their SPEECH sound strange?
Ask them to repeat a phrase.

TIME EVERY second brain cells die. Call 9-1-1 at ANY sign of a stroke!



STROKE IS AN EMERGENCY!

Call 9-1-1 immediately if you see or have any of these symptoms. Every minute counts!

Pharmacy Name, Location, and Phone Number Emergency Contact Name and Phone Number

Health Care Provider and Office Phone Number

Allergies (Food and Medication)

Please list all medications you take, including over-the-counter medications (for example, antacids, vitamins, and/or pain relievers). Review and update this list at every visit to your health care provider, specialist, emergency room, and/or hospital.

NAME OF MEDICATION Brand or generic name	mg, units,	Number of tablets,	HOW OFTEN/PURPOSE Number of times taken per day - evenings, at mealtimes, mornings. Why do you take this medication?	KNOW YOU	R NUM	BEF	RS
					Healthy Goal	Actual	Actual
				Total Cholesterol	<200 mg/dL		
				LDL (bad) Cholesterol	<100 mg/dL		
				HDL (good) Cholesterol	>50 mg/dL		
				Triglycerides	<150 mg/dL		
				Fasting Glucose	<100 mg/dL		
				Hemoglobin A1C (without diabetes)	<5.7		
				BMI	<25		
				Waist Circumference	<35		
				Provided	Date		
				to you by:	Recorded		

CONGRATULATIONS!

If your blood pressure falls in this category, you are in the normal range for blood pressure control. Your goal is to keep your blood pressure at this level.

Some ways that you can help to stay in this range include the following:

- Stay at a healthy weight.
- Limit salt in your diet.
- Limit how much alcohol you drink.
- Get regular physical activity.
- Have routine blood pressure monitoring.
- Do not smoke.

Talk to your health care provider about other ways to keep your blood pressure in the green.

CAUTION!

If your blood pressure falls in this category, you are in the borderline range for high blood pressure, also known as prehypertension. Persons with prehypertension are very likely to develop

high blood pressure in the future. Take steps now to lower your blood pressure.

Some ways to help lower your blood pressure include the following:

- Lose excess body weight.
- Limit salt in your diet.
- Limit how much alcohol you drink.
- Increase physical activity.
- Have routine blood pressure monitoring.
- Do not smoke.

Quit Now Kentucky: 1(800) QUIT-NOW 1(800) 784-8669

Talk to your health care provider about other ways to lower your blood pressure.

WARNING!

If your blood pressure falls in this category, it is high. Ongoing high blood pressure or hypertension is a serious medical condition that can lead to strokes, heart attacks, and other major health problems, even if you feel well.

Talk to your health care provider about ways to lower your blood pressure.

Call 9-1-1 or go to an emergency room IMMEDIATELY if you have any signs or symptoms of stroke such as those listed on the back of this card.

Sources

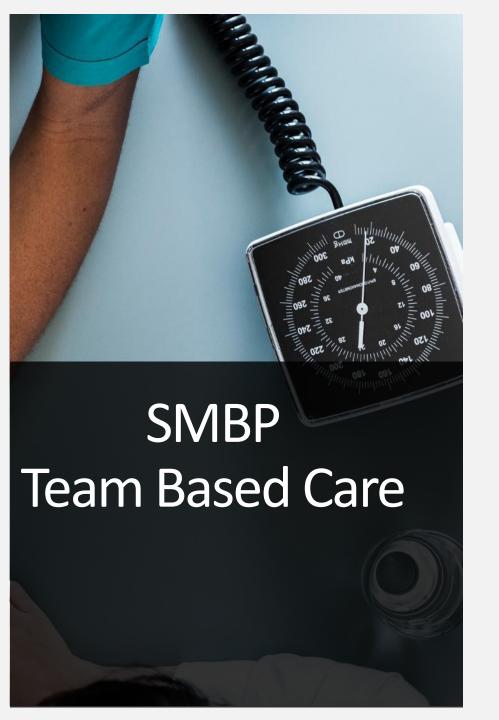
National Heart, Lung, and Blood Institute; National Institutes of Health; U.S. Department of Health and Human Services

BPRC-20

Self Measured Blood Pressure Monitoring (SMBP) with Clinical Support/Linkages

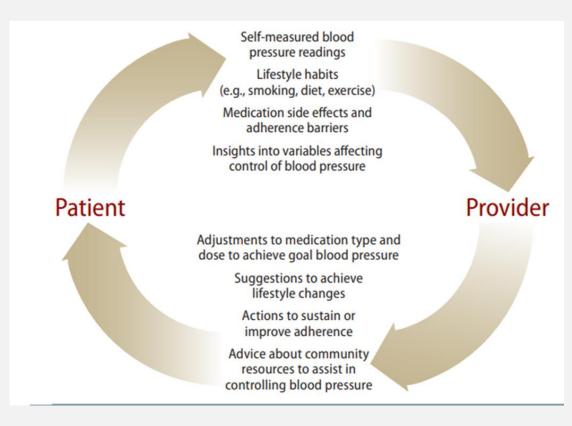


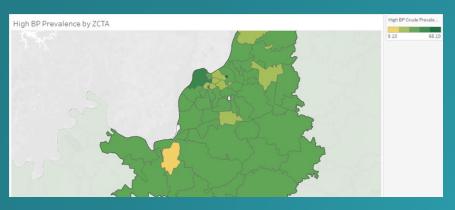
- Regular monitoring of blood pressure by the patient outside the clinical setting
- Can reduce disability or death due to high blood pressure
- Alternative to in office care
- More convenient and accessible to a larger patient population
- Endorsed by Professional Organizations and Public Health Agencies
 - American Heart Association
 - Centers for Disease Control
 - American Society of Hypertension
 - Preventive Cardiovascular Nurses Association
 - World Health Organization



Formats

- Multidisciplinary HTN clinics
- Specialist HTN clinics
- One-on-one counseling
- Web-based or telephonic telehealth
- Educational classes
- Use of texting, secure messaging, other technology





Collaborative Partnership







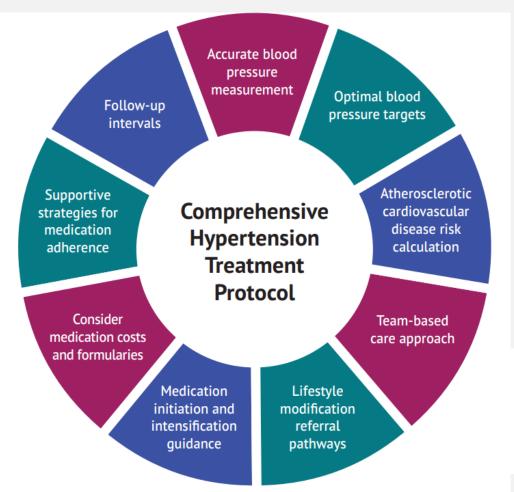


 Map created by KHDSP Program, Oct 2023. Data source: PLACES, Centers for Disease Control and Prevention, http://cdc.gov/places/. Accessed Sept 2023.

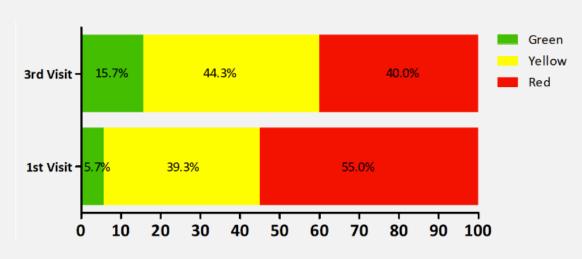


REGIONAL BRAIN INSTITUTE

Louisville FQHC Cardiovascular Risk Clinic



Participants 3 or more visits



	Enrollment	Last Visit	Mean Difference	
n = 202	(mean ± SE)	(mean ± SE)	(95%CI)	<i>p</i> -value ^A
Diastolic BP (mmHg)	85.1 ± 0.8	80.4 ± 0.8	4.68 (2.91 - 6.46)	< 0.0001
Systolic BP (mmHg)	141.3 ± 1.5	132.0 ± 1.4	9.35 (6.29 - 12.4)	< 0.0001
			^A <i>p</i> -value:	paired t test, two-tailed

Graphic: U.S. Department of Health and Human Services. The Surgeon General's Call to Action to Control Hypertension. Washington, DC: U.S. Department of Health and Human Services, Office of the Surgeon General; 2020.

^{*} Behavioral Health Services

KY Heart Disease and Stroke Prevention Program

Strategy B.6: Facilitate use of SMBP monitoring with clinical support among adults with hypertension

10 Health Care Systems 83 Providers



% and # of Participants (n = 772)					
HS degree or less	78%				
Unemployed	60%				
Medicaid, Medicare, or Uninsured	82%				
Hypertension Diagnosis	88%				
Uncontrolled BP at Referral	74%				
Attended Encounter 1	57%				
BP Controlled at Encounter 3	71%				

154/87 to 126/77 mmHg



TABLE 23: RPM HCPCS Codes and Descriptors

HCPCS code	Short Description	Official Long Description
99453	Rem mntr physiol param setup	Remote monitoring of physiologic parameter(s) (e.g. Weight, blood pressure, pulse oximetry, respiratory flow rate) initial set-up and patient education on use of equipment
99454	Rem mntr physiol param dev	Remote monitoring of physiologic parameter(s) (e.g. Weight, blood pressure, pulse oximetry, respiratory flow rate) initial device(s) supply with daily recording(s) or programmed alert(s) transmission, each 30 days
99457	Rem physiol mntr 1st 20 min	Remote physiologic monitoring treatment services, clinical staff/physician/other qualified health care professional time in a calendar month requiring interactive communication with the patient/caregiver during the month; first 20 minutes
99458	Rem physiol mntr ea addl 20	Remote physiologic monitoring treatment services, clinical staff/physician/other qualified health care professional time in a calendar month requiring interactive communication with the patient/caregiver during the month; each additional 20 minutes (list separately in addition to code for primary procedure)
99091	Collj & interpj data ea 30 d	Collection and interpretation of physiologic data (e.g. Blood pressure, glucose monitoring) digitally stored and/or transmitted by the patient and/or caregiver to the physician or other qualified health professional, qualified by education, training, licensure/regulation (when applicable) requiring a minimum of 30 minutes of time, each 30 days

TABLE 25: CY 2023 National Non-Facility PFS Payment Rate for G0511

CPT Code	National Non-Facility PFS Payment Rate
99424	\$81.33
99426	\$61.34
99484	\$43.04
99487	\$133.18
99490	\$62.69
99491	\$85.06
G0511	\$77.941

¹ Noting when averaging the six codes, the total RVU for HCPCS code G0511 is 2.295. Multiplying that by the conversion factor of 33.8872 results in \$77.77. However, RVUs on the PFS file are expressed in two decimal places. Thus, we round the 2.295 average to 2.30 which yields 2.30 * 33.8872, resulting in \$77.94, the current payment rate for HCPCS code G0511.

Additional Revenue Generating Opportunities:

Principal Illness Navigation
Chronic Care Management
Transitional Care Management
Caregiver Training
Community Health Integration
Nonphysician Telephone Assessment & Management

RPM HCPS Codes and Descriptors

SMBP Coverage Insights: Medicaid

April 2023 (based on data available 3/15/23)



Self-measured blood pressure (SMBP) is an evidence-based strategy that can improve blood pressure control for individuals with hypertension. SMBP is most effective when an individual has access to a validated blood pressure device for home use coupled with ongoing clinical support. Refer to the US Blood Pressure Validated Device Listing (VDL™) for a list of validated devices.

The chart below shows the status of coverage by state for 1) SMBP clinical services and 2) automated blood pressure devices and standalone cuff. It is intended to highlight which states offer provider reimbursement to perform SMBP services and allow Medicaid patients to obtain an automated blood pressure device.

CPT® and HCPCS Code Description

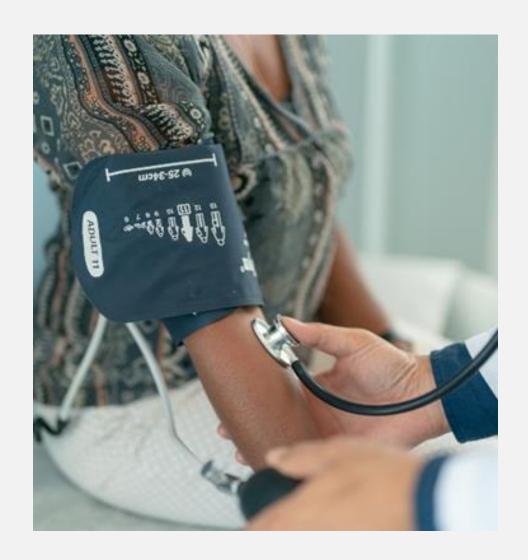
99473	SMBP using a device validated for clinical accuracy and patient education/training and device calibration
99474	Separate self-measurements, collection of daily reports by the patient or caregiver to the healthcare provider, communication of BP readings and treatment plans
A4670	Automated blood pressure device
A4663	Blood pressure cuff only

		SMBP Service Codes Provider Reimbursement					BP Device Codes Durable Medical Equipment (DME) Fee Schedule						
	99473		99474		Source	A4670			A4663			Source	
	Covered	Amount Covered	Covered	Amount covered		Covered	Amount Covered	Prior Authorization Required	Covered	Amount covered	Prior Authorization Required		
Georgia	•	\$9.45	•	\$12.82	②							②	
Hawaii	•	\$7.57	•	\$5.54	0	•	\$15.00		•	Varies		②	
Idaho	•	\$9.14	•	\$12.56	Ø	•	\$56.28		•	Varies		②	
Illinois					0		\$65.13		•	\$15.88		②	
Indiana	•	\$7.60	•	\$10.70	②		\$40.00	0	•	\$27.80		②	
Iowa					②	•	\$49.36					②	
Kansas					Ø				•	\$30.00		②	
Kentucky	•	\$8.03	•	\$11.47	②		\$35.00		•	\$35.00		②	

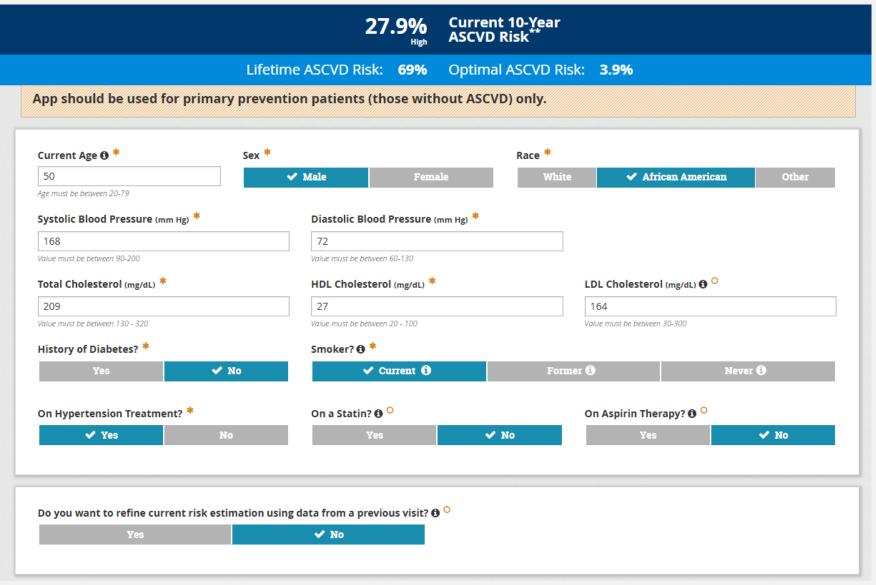
Proposed New Reimbursement for Cardiovascular Risk Assessment and Management

CMS innovation Center

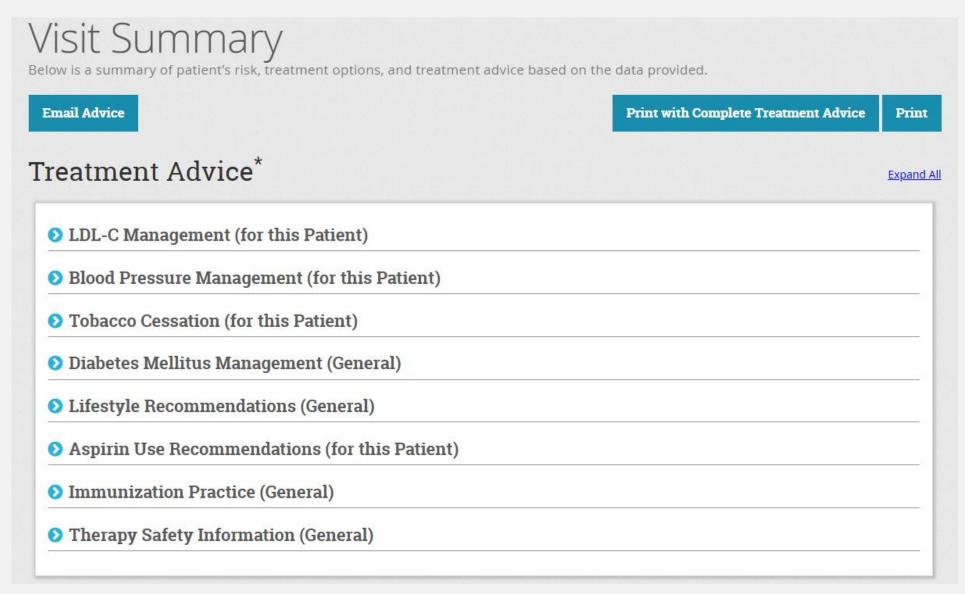
- Million Hearts Model
 - Cardiovascular risk assessment in collaboration with cardiovascular care management found to reduce death by lowering MI and stroke among Medicare fee-for-service beneficiaries.
- CY 2025 CMS Proposes the following
 - Coding and payment for Atherosclerotic Cardiovascular Disease (ASCVD) risk assessment service and management
 - Tool Includes
 - Demographic data (age, sex, race
 - Modifiable risk factors (blood pressure, smoking history, cholesterol, obesity, substance use, physical activity, nutrition, others)
 - Risk enhancers (pre-eclampsia)
 - Lab data (lipid panel)
 - Document 10-year estimate of the patient's ASCVD risk
 - Coding and payment would focus on the ABCs of CVD risk (aspirin, blood pressure management, cholesterol management, smoking cessation)



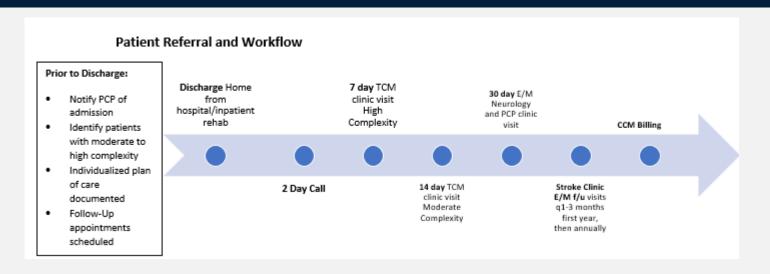
American College of Cardiology ASCVD Risk Calculator



ACC ASCVD Risk Calculator



Transitions of Care Considerations (stroke example)



Assessment/Current State:

- TIA, Ischemic Stroke, Hemorrhagic Stroke Patient Volume
- Stroke patient payor mix
- Discharge Disposition (home, rehab)
- Preventable stroke patient 30-day readmission rate
- % ED visits post discharge within 30 days
- Current clinic no show rate
- % patients discharged home or to rehab who have an appointment scheduled with PCP and/or stroke specialist within 7-14 days of discharge
- % patients who have medication reconciliation performed within 2 days of discharge

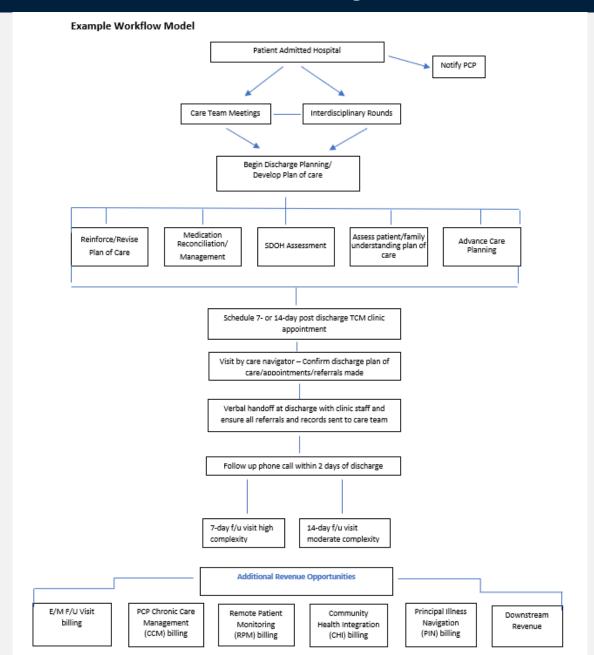
Rationale for Implementation

- Supports health systems with a with a mission focused on high quality, evidenced based care with a goal of improved outcomes and excellent patient experience
- Generating new revenue (new billing, downstream revenue /diagnostic testing) and mitigating lost revenue (leakage from system, readmissions, high ED/resource utilizers)
- Coordinated care among healthcare providers
- Medication review and management ensure correct medications, dose, side effects, and drug interactions
- Follow-Up planning and patient/caregiver education

Possible TCM Evaluation Metrics

- TCM referral volume (by inpatient, rehab, SNF)
- TCM volume by diagnosis (AIS, ICH, SAH, TIA)
- Payor mix
- Hospital LOS
- % patients identified and enrolled within 2 days of discharge
- % of patients who had a 2-day call or documentation of 2 attempts
 - Document barriers to identifying patients prior to discharge and reaching patients
- % of TCM patients scheduled/offered an appointment within 14 days
 - Identity and document barriers
- % of TCM visits completed within 14 days
- Clinic visit duration in minutes
- Median days from discharge to TCM follow up appointment
- 30-day readmission rate and ED visits
- Patient experience scores
- Show rate for outpatient rehab services (PT/OT/SLP)
- Medication adherence
- Blood pressure control ≤ 130/80
- New referrals in and out

TCM RBI Example Workflow











Together, we can reduce the number of Americans who have heart attacks and strokes.

Get recognized for practice achievements.

The Target: BP Recognition Program provides an opportunity for physician practices and health systems that treat hypertension to be recognized for their commitment to accurate blood pressure (BP) measurement and improving BP control rates.



Participant status

Submit data and commit to reducing the number of adult patients with uncontrolled BP. First-time submission only



Silver status

Submit data and attest to completing at least 4 of 6 evidence-based BP activities.



Gold status

Submit data and achieve ≥70% BP control rate (% of adult patients with hypertension whose blood pressure is controlled to <140/90 mmHg)



Gold+ status

Submit data, achieve ≥ 70% BP control rate, and attest to completing at least 4 of 6 evidence-based BP activities.

Recognition Program benefits:

Annual AHA/AMA acknowledgment

Practices will be acknowledged for their active participation in the Target: BP Recognition program at AMA and AHA annual meetings

Recognition on Target: BP website

Practices will be recognized on the Target: BP website

Digital program status seal

For use by HCOs in social media, emails, websites or other marketing materials to help show their commitment to managing high BP

National press release

A joint AMA/AHA press release highlighting and celebrating the commitment of Target: BP HCOs across the country (note: Individual organization names will not be included)

Speaking opportunities*

Have an opportunity to speak about organizational accomplishments with Target: BP at an AHA or AMA event

Recognition Toolkit

Toolkit of template materials and digital assets such as a press release, social media messaging and images

Local recognition

Varies depending on the market. Contact your local AHA office for specifics

Acknowledgment

Gold and Gold+ Level Awardees will be celebrated in a health care trade publication and/or AHA journal



KENTUCKY

BHMG Family Medicine Princeton BHMG Internal Medicine Paducah BHMG Primary Care Murray Grace Health

Grace Health - Bishop Street Clinic Grace Health - Falls Hwy Clinic

Grace Health - Gray/Knox Clinic

Grace Health - Hyden/Leslie Clinic

Grace Health - Levi Center Clinic

Grace Health - Manchester/Clay Clinic

Grace Health - Mountain View Clinic Grace Health - Pineville/Bell Clinic

Grace Health - University Cumberlands Clinic

Grace Health - Women's Care Clinic

St. Elizabeth Healthcare

Sterling Health Care White House Clinics



KENTUCKY

BHMG Family Medicine Metropolis BHMG Primary Care Village Square



KENTUCKY

BHMG Family Medicine Eddyville BHMG Family Medicine Paducah BHMG Primary Care Benton BHMG Primary Care Calvert City Bluegrass Community Health Center Mountain Comprehensive Care Center HomePlace Clinic Shawnee Christian Healthcare Center



KENTUCKY

BHMG Primary Care Strawberry Hills

Million Hearts® Hospitals & Health Systems Recognition Program

Dr. Jennifer Brull – rural Kansas

Recommendations:

- Identify tool to measure BP
- Use data to monitor gap between current and target BP rates
- Start with one change that's easy to implement and will have quick benefit
 - Confirming BP is being measured accurately
- Involve the entire health care team
 - Solicit input from everyone in the office (including patients)
- Focus on manageable changes for patients and how improves health

- Strategic Use of EHR
 - Track patient BP in user friendly dashboard
 - Establish BP goals
- Medication Adherence
 - Collaborated with patient, pharmacy, & insurers
 - Alerts from insurance when missed prescription refills
 - Reviewed medications and any side effects during each patient visit
- Maintain Connection/Communication with Patients
 - Patient portal
 - Website
 - Social Media Facebook, Twitter X
 - Printed documents for those less tech savvy
- Results:
 - 68% 87% hypertension control rate in 1 year

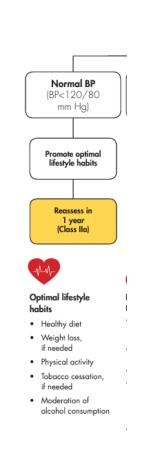
Educational Resources



Hypert Guideli

Nearly half of A pressure, but yo

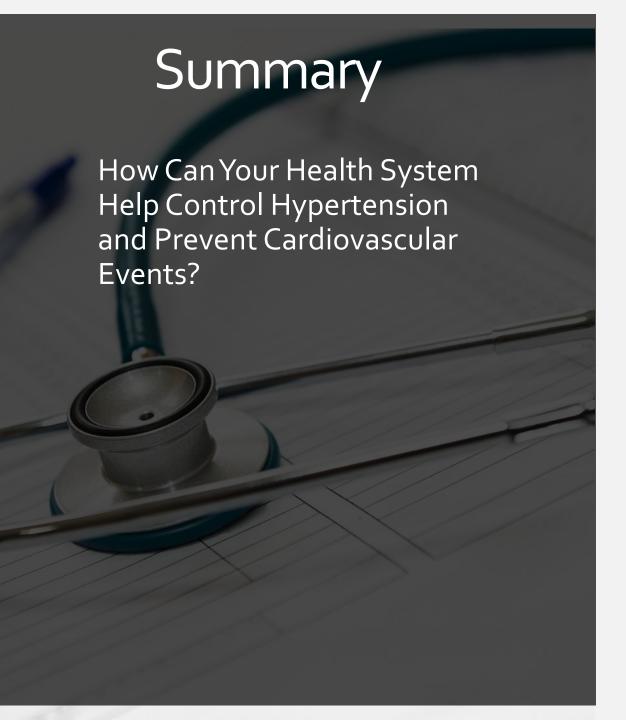
The 2017 Guideline for Management of High Black Clinical Practice Guide of nearly 103 million ad you need resources to he your practice so you can provide optimal care for patients with elevated blood pressure (BP) or hypertension.







https://www.cdc.gov/hearher/index.html



- Kentucky is among the states in US with the highest prevalence of hypertension
- Hypertension is the # 1 cause of heart disease and stroke
- Health Systems can help control hypertension and reduce cardiovascular events by:
 - Implementing evidence-based inpatient and outpatient treatment protocols
 - Documenting SDOH and facilitating collaboration among organizations to maximize access and utilization of community resources to reduce disparities
 - Enhancing EHRs to improve clinical workflows and provide decision support tools
 - Utilizing integrated care teams
 - Facilitating self efficacy through SMBP monitoring
 - Providing clinician feedback on performance