Learning Forum

"Help Save the Hearts!"

Feb 2025





Name & Agency in the Chat

Welcome to the newbies!

Rapid Response

Agenda for LF:

30 min: overview of Hypertension Disorders in PG 30 min: Meeting with SHTN Enrollees, Interested Facilities

Enrollment... extended!

✓ 32 birthing hospitals enrolled

FOUR new birthing hospitals (not in FTI)

- ✓ 6 FTI hospitals have not enrolled-YET!
- ✓ 3 Non-birthing hospitals have enrolled- five more pending

New Deadline for enrollment: FEBRUARY 28th



Kansas SHTN: Facts Sheet



Severe Hypertension in **Pregnancy Safety Bundle**

Our Call to Action

The Kansas Department of Health and Environment (KDHE) and the Kansas Perinatal Quality Collaborative (KPQC) are committed to improving maternal and infant outcomes in our state. Together, we are launching quality initiatives to reduce maternal and infant morbidity and mortality.

Addressing Maternal Hypertension Outcomes in Kansas

Data from the Kansas Maternal Mortality Review Committee (2016-2020) reveals that cardiovascular conditions and hypertension are the two leading causes of pregnancy-related deaths in Kansas. According to the 2022 Natality Report, preeclampsia ranks as the second-leading cause of Severe Maternal Morbidity (SMM) in Kansas.

An intentional intervention to address severe hypertension in pregnancy and the postpartum period is needed. Beginning Jan. 2025, Kansas will enroll hospitals in the Alliance for Innovation on Maternal Health (AIM) Safety Bundle, "Severe Hypertension in Pregnancy," as a statewide initiative to address this and other maternal adverse outcomes.

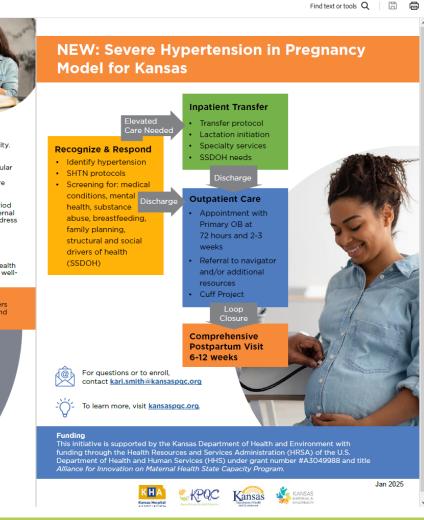
The Impact on the Newborn

Maternal hypertensive disorders significantly increase the risk of preterm delivery. In 2022, 10.5% of infants were delivered preterm (<37 weeks) in Kansas. Breastmilk provides optimal nutrition and is an immune-boosting substance for preterm newborns. Premature newborns face higher health risks, making early maternal lactation a critical, evidence-based intervention to support neonatal wellbeing.

What's Next?

Addressing maternal hypertension is a crucial part of improving health outcomes for both mothers and infants in Kansas. Through collaboration, education, and evidence-based strategies, KDHE and the KPQC are working to create safer pregnancies and healthier futures for families in our state.







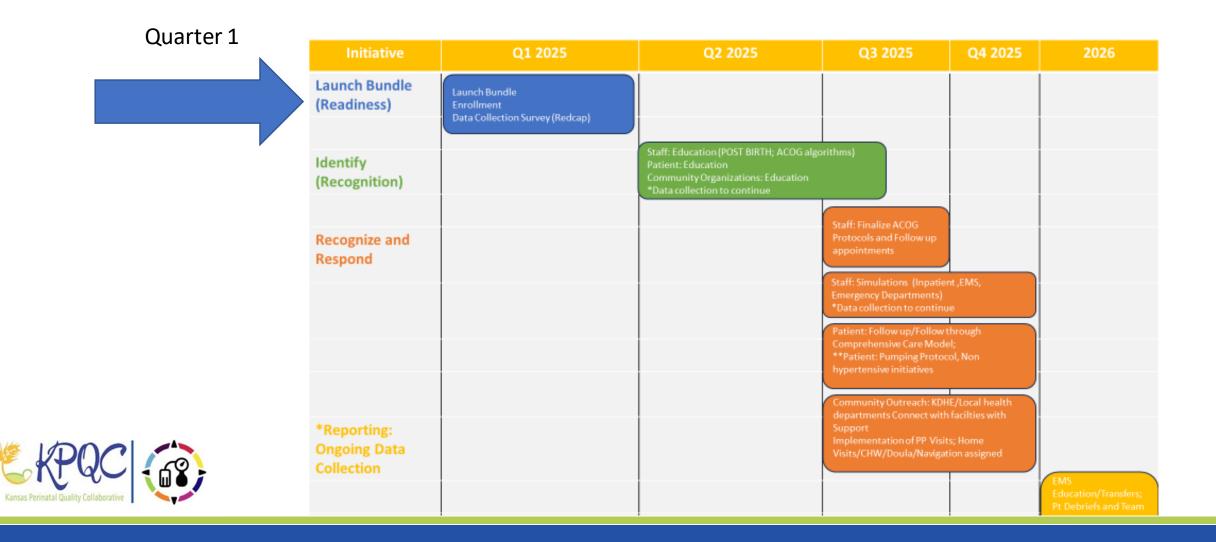
Kansas SHTN: Enrollment Form

Enrollment Packet 2025	To improve Kansa's maternal and infant health outcomes by assuing quality perinstal care using data-driven, evidence-based practice, and quality improvement processes. Background Kansas Department of Health and Environment (KDHE) has teamed up with the Kansas Perinstal Quality Collaborative (KPQC) to launch maternal health quality initiatives aimed at decreasing maternal motidity and motilaity in our state. In 2021, Ansass officially enrolled as an Aliance for Innovation on Maternal Health (AMI) state, implementing the Postpartum Discharge Transition patient safety bundle (known in Kansas as the <i>Fourth Trimester Initiative</i>). According to 2016-2020 Kansas Maternal Mortality Review Committee data, cardiovascular conditions and hypertension women who delivered a baby experiment Sucharge Transition approximately 1 in 161 Kansas women who delivered a baby experimented sucharge motidity (SMM). Precedampsia is the second leading cause of SMM in Kansas (Hospital Discharge Tabi 2020). Recogning that SMM occurs one hundred times more frequently than maternal mortality, it is clear that intentional interventions to address severe hypertension in pregnancy and in the postpartum period are needed. Furthermore, there is an increased risk for preterm delivery in Kansas in the presence of maternal hypertension vegotima head hourcomes for these montelling recommendations for early initiation of factation as an evidenced-based intervention is imperative.	<form> Bit determining Charlow Cancer Bit determining Charlow Cancer Charlow Cancer</form>	their facility. The SHTM Champion will monotro and southet is this facility data and provide to all permissions to submit enrollments to the Kanasa Perindual Quality Collaborative and collect.
Department of Health	1 Kansas Perinatal Quality Collaborative	child welfare, parents, school diatrict staff, etc. Everyone is invited to participate in learning and	Enrollment Agreement
and Environment		encouraged to be actively engaged in the SHTR Bundle.	THE PARTIES, through their duly authorized representatives, accept the terms of this



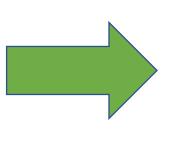
Kari.smith@kansaspqc.org

What happens next?



What happens next?

Quarter 2



Staff: Education (POST BIRTH; ACOG algorithms) Patient: Education Community Organizations: Education *Data collection to continue



Identify

Quarter 2 2025

<u>Staff</u>:

Education: POSTBIRTH

≻Kari

>ACOG Algorithms/CMPQC Algorithms

Review protocols and options for "best practice"

► HTN Diagnosis

➢ Providers, Nurses

Patient:

➢ POSTBIRTH embedded in discharge

Data Collection:

Twice yearly: Redcap link for data input



HELP SAVE THE HEARTS! Launching a "new" model of HTN prevention and care



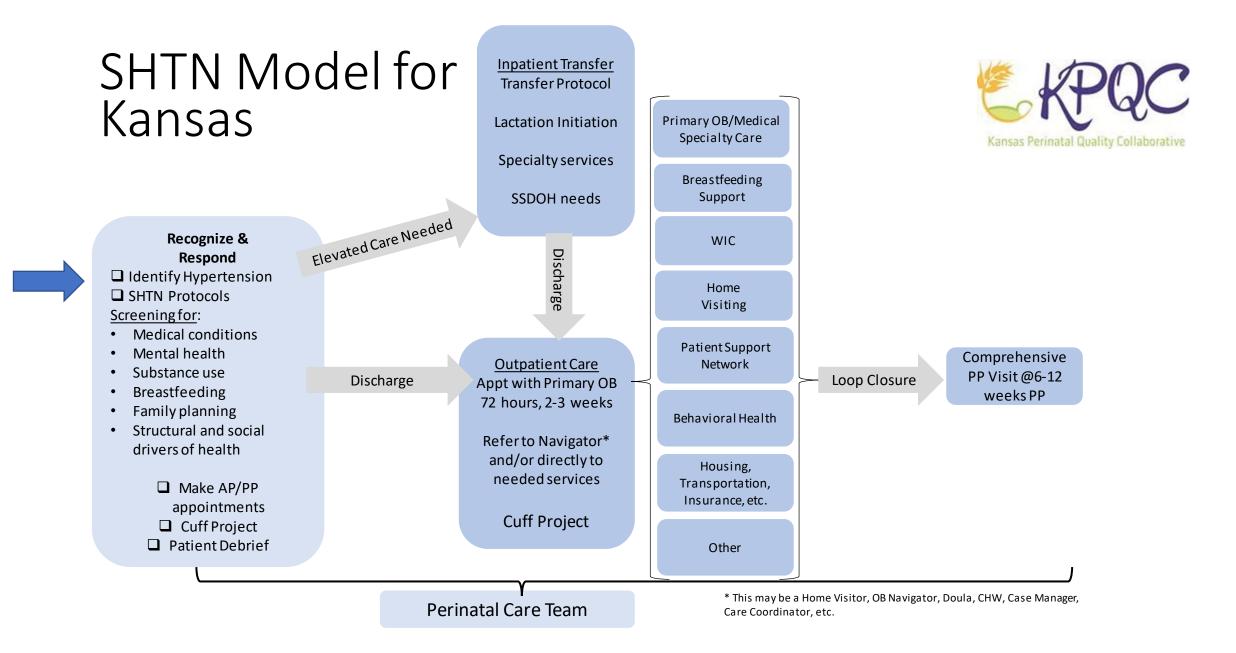
Growing Problem: Prevalence of Preeclampsia Dx in Kansas 2016-2023

Source: Kansas hospital discharge data											
Year	Preeclamsia*	Delivery Hospitalizations	Prevalence (%)								
2016	1679	34952	4.8								
2017	1766	33499	5.3								
2018	1793	31739	5.6								
2019	1941	32453	6.0								
2020	1857	31406	5.9								
2021	2079	31434	6.6								
2022	2116	30849	6.9								
2023	2145	30878	6.9								
CD 10 CM diagnosis andes											

*ICD-10-CM diagnosis codes for preeclampsia (O15)

The prevalence of preeclampsia increased from 4.8% in 2016 to 6.9% in 2023, showing a statistically significant increase with an annual percent change (APC) of 5.28%.





IDENTIFY

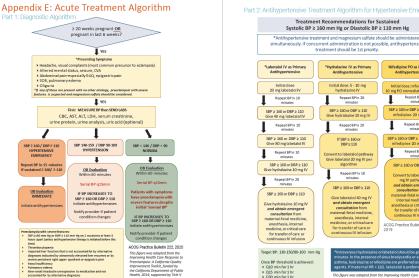
Normal vs Abnormal Blood Pressure in female patients,

including Pregnant and Postpartum (1 year!)



□Watch the following & send out to staff/Admin/

https://vimeo.com/743542904\



ifedipine PO as Prima

Repeat BP in 20 minutes

5BP ≥ 160 or DBP ≥ 11

- CMQCC: Improving Health Care Response to Hypertensive Disorders of Pregnancy... 238 pages of fun!
 - CMQCC Hypertensive Toolkit Patient Education Checklist

□ How to properly take a blood pressure

https://opgic.org/wp-content/uploads/2015/05/Accurate-BP-Flyer.pdf

□ Home BP Kit education

CMQCC YouTube Video



Accurate Diagnosis

- Chronic Hypertension
- Chronic Hypertension with Superimposed Preeclampsia
- Gestational Hypertension
- Preeclampsia
 - With Severe Features
- Eclampsia



Definitions: ACOG

Types of Hyper	tension ACOG The American College of Obstetricians and Gynecologists District II					
Chronic Hypertension	 SBP ≥ 140 or DBP ≥ 90 Pre-pregnancy or <20 weeks 					
Gestational Hypertension	 SBP ≥ 140 or DBP ≥ 90 on at least two occasions at least 4 hrs apart after 20 weeks gestation in women with previously normal BP Absence of proteinuria or systemic signs/symptoms 					
Preeclampsia – Eclampsia	 SBP ≥ 140 or DBP ≥ 90 Proteinuria with or without signs/symptoms Presentation of signs/symptoms/lab abnormalities but no proteinuria *Proteinuria not required for diagnosis eclampsia seizure in setting of preeclampsia 					
Chronic Hypertension with Superimposed Preeclampsia	 Preeclampsia in a woman with a history of hypertension before pregnancy or before 20 weeks of gestation 					
Preeclampsia with severe features (ACOG Practice Bulletin #202, Gestational Hypertension and Preeclampsia, & ACOG Practice Bulletin #203, Chronic Hypertension in Pregnancy)	 SBP ≥ 160 or DBP ≥ 110 (can be confirmed within a short interval to facilitate timely antihypertensive therapy) Thrombocytopenia (platelet count less than 100,000/microliter) Impaired liver function that is not accounted for by alternative diagnoses and as indicated by abnormally elevated blood concentrations of liver enzymes (to more than twice the upper limit normal concentrations), or by severe persistent right upper quadrant or epigastric pain unresponsive to medications. Renal insufficiency (serum creatinine concentration more than 1.1 mg/dL or a doubling of the serum creatinine concentration in the absence of other renal disease) Pulmonary edema New-onset headache unresponsive to medication and not accounted for by alternative diagnoses Visual disturbances 					



Taking a Blood Pressure

Correct Position!

- Sitting or Semi Fowlers
- Feet flat, not dangling
- If BP ≥ 160 systolic and/or ≥ 110 diastolic, take steps to initiate treatment for severe hypertension—notifying provider, procuring medication

DO NOT REPOSITION PATIENT (yet)

- Retake BP after 15 minutes. If BP remains severe, obtain order for medication.
- Administer medication as ordered

Treat ASAP—at least within 1 hour of 1st severe reading

Correct Cuff Size!





RECOGNIZE

Recognize the Problem and think "ALGORITHM"!



Avoiding mistakes



Racism is a risk factor, NOT race

Do not assume:

Race, Obesity, SES status, Diet, Mental health, Pain, or Anxiety is the cause

CMQCC Preeclampsia Early Recognition Tool (PERT)

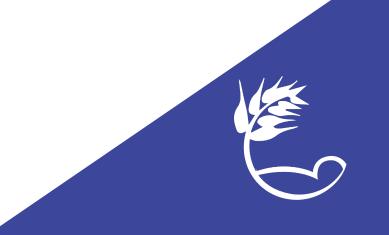
Everyone knows: POSTBIRTH!

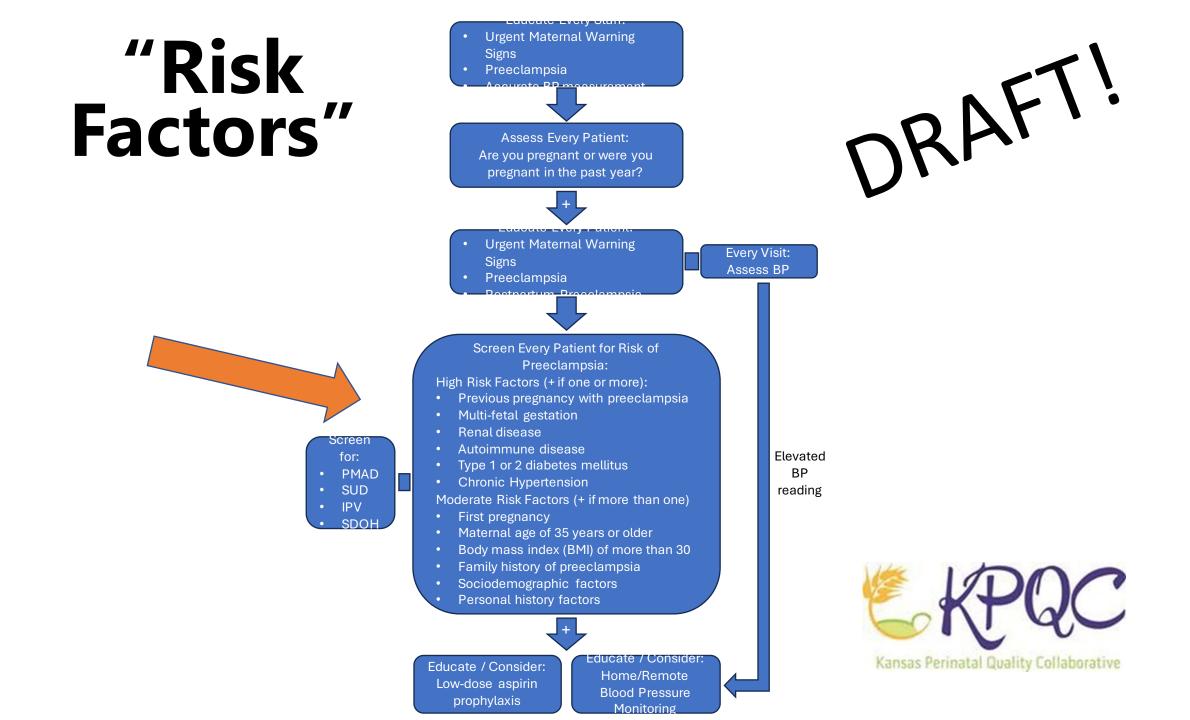
NEURO symptoms= Immediate triage to facility or RESPONSE to change of status

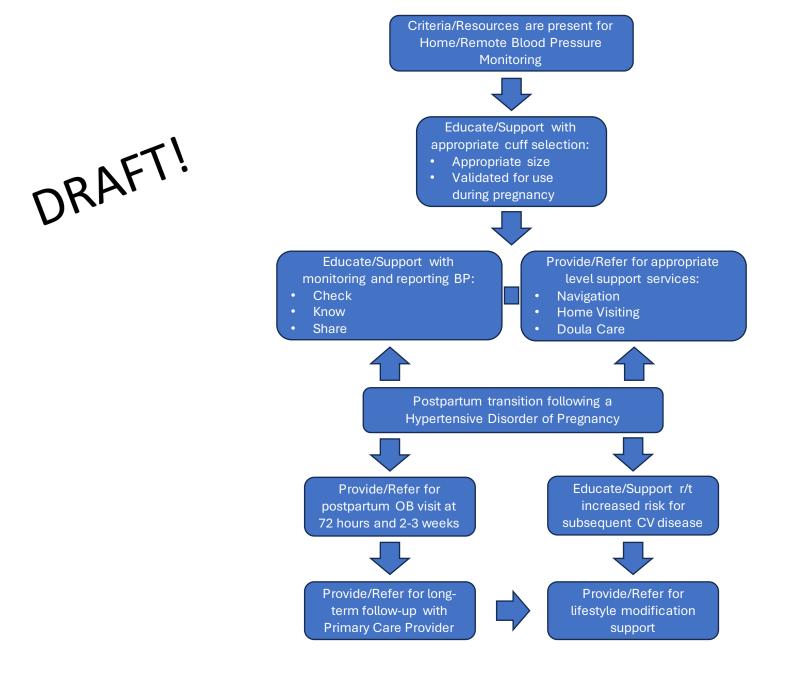


Statewide SHTN Initiative work

Prevention works! AND Prevention starts in the preconception & antepartum settings!









EVERYONE needs aspirin...?

Table S1: Cross-sectional survey of recommendations on the use of aspirin in pregnancy for the prevention of pre-eclampsia

Guideline (year)	Aspirin dose	Treatment duration	Recommendations for pregnant women with NSAID hypersensitivity			
World Health Organization (2021)	75 mg daily	Start before 20 weeks' gestation	Not addressed			
Australian Pregnancy Care Guidelines (2024; pending NHMRC approval)	150 mg daily	Start before 16 weeks' gestation	Contraindicated in patients with hypersensitivity to aspirin			
National Institute for Health and Care Excellence, United Kingdom (2023)	75-150 mg daily	Start from 12 weeks' gestation and continue till delivery	Not addressed			
Society of Obstetric Medicine of Australia and New Zealand (2023)	150 mg daily	Start before 16 weeks' gestation and stop between 34 weeks to delivery	Not addressed			
European Society of Hypertension (2023)	100-150 mg daily	Start before 16 weeks' gestation and continue till 35 weeks	Not addressed			
Society of Obstetricians and Gynecologists of Canada (2022)	81-162 mg daily	Start before 16 weeks' gestation and continue till 36 weeks	Not addressed			
Sri Lanka College of Obstetricians and Gynaecologists (2022)	75–100 mg daily	Start from the early second trimester and continue till delivery	Not addressed			
South African Society of Obstetricians and Gynaecologists (2022)	150 mg daily	Start from 12 weeks' gestation and continue till 36 weeks	Not addressed			
American College of Obstetrics and Gynecology/Society for Maternal- Fetal Medicine (2021)	81 mg daily	Start between 12–28 weeks' gestation (optimally before 16 weeks) and continue till delivery	Contraindicated in patients with aspirin allergy, e.g., urticaria or hypersensitivity to NSAIDs (ACOG Committee Opinion No. 743)			
US Preventive Services Task Force	81 mg daily	Start from 12 weeks' gestation	Not addressed			



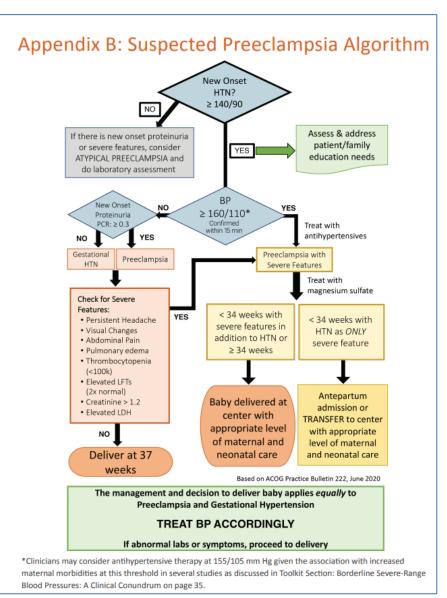
RESPOND

Treatment= Algorithms, Algorithms, and MORE Algorithms!





Recognition to Treatment





Treatment



First Line Therapies



- Intravenous labetalol
- Intravenous hydralazine
- Oral nifedipine

Magnesium sulfate not recommended as antihypertensive agent

- Should be used for: seizure prophylaxis and controlling seizures in eclampsia
- IV bolus of 4-6 grams in 100 ml over 20 minutes, followed by IV infusion of 1-2 grams per hour. Continue for 24 hours postpartum
- If no IV access, 10 grams of 50% solution IM (5 g in each buttock)
- Contraindications: pulmonary edema, renal failure, myasthenia gravis

Anticonvulsants (for recurrent seizures or when magnesium is C/I):

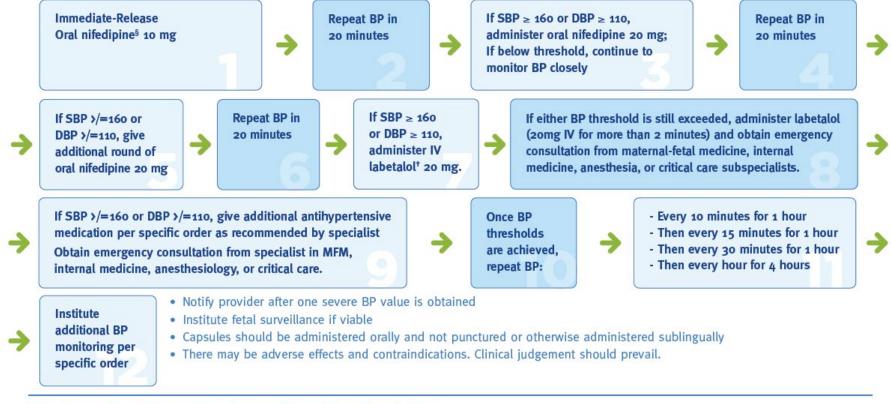
- Lorazepam: 2-4 mg IV x 1, may repeat x 1 after 10-15 min
- Diazepam: 5-10 mg IV every 5-10 min to max dose 30 mg
- Phenytoin: 15-20 mg/kg IV x 1, may repeat 10 mg/kg IV after 20 min if no response. Avoid with hypotension, may cause cardiac arrhythmias.
- Keppra: 500 mg IV or orally, may repeat in 12 hours. Dose adjustment needed if renal impairment.

*There may be adverse effects and additional contraindications. Clinical judgement should prevail Safe Motherhood Initiative



Immediate-Release Oral Nifedipine Algorithm EXAMPLE

Trigger: If severe elevations (SBP ≥160 or DBP ≥ 110) persist* for 15 min or more OR If two severe elevations are obtained within 15 min and tx is clinically indicated



* Two severe readings more than 15 minutes and less than 60 minutes apart

§ Immediate-release oral nifedipine has been associated with an increase in maternal heart rate and may overshoot hypotension.

* Avoid parenteral labetalol with active* asthma, heart disease, or congestive heart failure; use with caution with history of asthma.

May cause neonatal bradycardia.

*"Active asthma" is defined as:

(A) symptoms at least once a week, or

- (B) use of an inhaler, corticosteroids for asthma during the pregnancy, or
- © any history of intubation or hospitalization for asthma.

Safe Motherhood Initiative

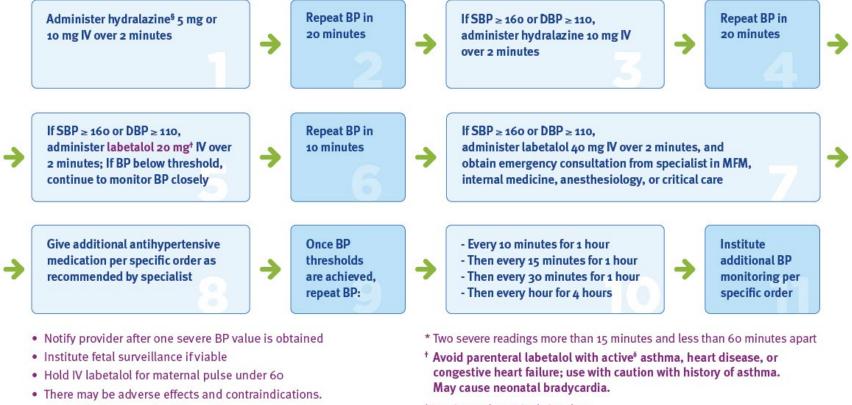


Revised February 2020

Hydralazine Algorithm

EXAMPLE

Trigger: If severe elevations (SBP > 160 or DBP > 110) persist* for 15 min or more OR If two severe elevations are obtained within 15 min and tx is clinically indicated



• Clinical judgement should prevail.

- * "Active asthma" is defined as:
- (A) symptoms at least once a week, or
- (B) use of an inhaler, corticosteroids for asthma during the pregnancy, or
- © any history of intubation or hospitalization for asthma.

§ Hydralazine may increase risk of maternal hypotension.

ACOG The Assertion College of Obvioritions and Operacility Device 1

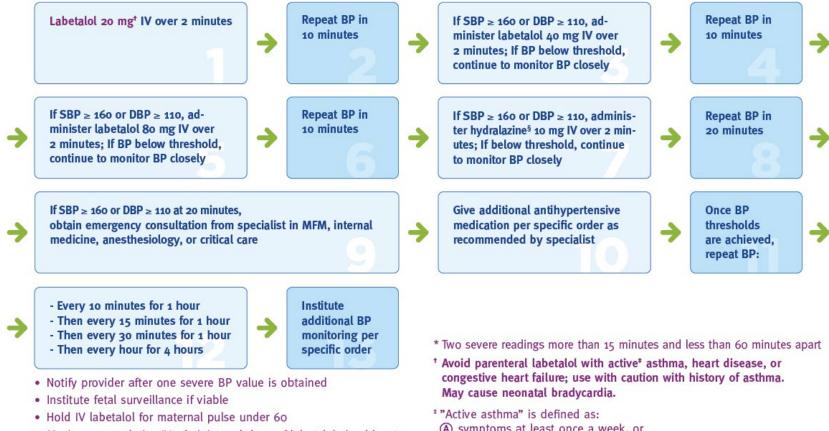
Safe Motherhood Initiative

Revised February 2020

Labetalol Algorithm

EXAMPLE

Trigger: If severe elevations (SBP \geq 160 or DBP \geq 110) persist* for 15 min or more **OR** If two severe elevations are obtained within 15 min and tx is clinically indicated



- · Maximum cumulative IV-administered dose of labetalol should not exceed 300 mg in 24 hours
- · There may be adverse effects and contraindications. Clinical judgement should prevail.

- (A) symptoms at least once a week, or
- (B) use of an inhaler, corticosteroids for asthma during the pregnancy, or
- (C) any history of intubation or hospitalization for asthma.

§ Hydralazine may increase risk of maternal hypotension.



Safe Motherhood Initiative

Revised February 2020

EXAMPLE

Hypertensive Emergency Checklist

HYPERTENSIVE EMERGENCY:

- Two severe BP values (≥160/110) taken 15-60 minutes apart. Values do not need to be consecutive.
- · May treat within 15 minutes if clnically indicated

Call for Assistance

- Designate:
 - 🔾 Team leader
 - O Checklist reader/recorder
 - 🔾 Primary RN
- Ensure side rails up
- Ensure medications appropriate given patient history
- Administer seizure prophylaxis (magnesium sulfate first line agent, unless contraindicated)
- Antihypertensive therapy within 1 hour for persistent severe range BP
- Place IV; Draw preeclampsia labs
- Antenatal corticosteroids (if <34 weeks of gestation)
- Re-address VTE prophylaxis requirement
- Place indwelling urinary catheter
- Brain imaging if unremitting headache or neurological symptoms
- Debrief patient, family, and obstetric team

* "Active asthma" is defined as:

- A symptoms at least once a week, or
- (B) use of an inhaler, corticosteroids for asthma during the pregnancy, or
- © any history of intubation or hospitalization for asthma.

Magnesium Sulfate

Contraindications: Myasthenia gravis; avoid with pulmonary edema, use caution with renal failure

IV access:

- Load 4-6 grams 10% magnesium sulfate in 100 mL solution over 20 min
- Label magnesium sulfate; Connect to labeled infusion pump
- Magnesium sulfate maintenance 1-2 grams/hour

No IV access:

10 grams of 50% solution IM (5 g in each buttock)

Antihypertensive Medications

For SBP \geq 160 or DBP \geq 110 (See SMI algorithms for complete management when necessary to move to another agent after 2 doses.)

- Labetalol (initial dose: 20mg); Avoid parenteral labetalol with active asthma, heart disease, or congestive heart failure; use with caution with history of asthma
- Hydralazine (5-10 mg IV* over 2 min); May increase risk of maternal hypotension
- Oral Nifedipine (10 mg capsules); Capsules should be administered orally, not punctured or otherwise administered sublingually
- * Maximum cumulative IV-administered doses should not exceed 220 mg labetalol or 25 mg hydralazine in 24 hours

Note: If first line agents unsuccessful, emergency consult with specialist (MFM, internal medicine, OB anesthesiology, critical care) is recommended

Anticonvulsant Medications

For recurrent seizures or when magnesium sulfate contraindicated

- Lorazepam (Ativan): 2-4 mg IV x 1, may repeat once after 10-15 min
- Diazepam (Valium): 5-10 mg N q 5-10 min to maximum dose 30 mg





solu

EXAMPLE

Eclampsia Checklist

Call for Assistance

Designate

- Team leader
- O Checklist reader/recorder
- O Primary RN

Ensure side rails up

- Protect airway and improve oxygenation:
 - Maternal pulse oximetry
 - Supplemental oxygen (100% non-rebreather) Lateral decubitis position Bag-mask ventilation available
 - Suction available
- Continuous fetal monitoring
- Place IV; Draw preeclampsia labs
- Ensure medications appropriate given patient history
- Administer magnesium sulfate
- Administer antihypertensive therapy if appropriate
- Develop delivery plan, if appropriate
- Debrief patient, family, and obstetric team

* "Active asthma" is defined as: A symptoms at least once a week, or B use of an inhaler, corticosteroids for asthma during the pregnancy, or C any history of intubation or hospitalization for asthma.

Magnesium Sulfate

Contraindications: Myasthenia gravis; avoid with pulmonary edema, use caution with renal failure

IV access:

- Load 4-6 grams 10% magnesium sulfate in 100 mL solution over 20 min
- Label magnesium sulfate; Connect to labeled infusion pump
- Magnesium sulfate maintenance 1-2 grams/hour

No IV access:

10 grams of 50% solution IM (5 g in each buttock)

Antihypertensive Medications

For SBP \ge 160 or DBP \ge 110

(See SMI algorithms for complete management when necessary to move to another agent after 2 doses.)

- Labetalol (initial dose: 20mg); Avoid parenteral labetalol with active asthma, heart disease, or congestive heart failure; use with caution with history of asthma
- Hydralazine (5-10 mg N* over 2 min); May increase risk of maternal hypotension
- Oral Nifedipine (10 mg capsules); Capsules should be administered orally, not punctured or otherwise administered sublingually
- * Maximum cumulative IV-administered doses should not exceed 220 mg labetalol or 25 mg hydralazine in 24 hours
- Note: If persistent seizures, consider anticonvulsant medications and additional workup

Anticonvulsant Medications

- For recurrent seizures or when magnesium sulfate contraindicated
- Lorazepam (Ativan): 2-4 mg IV x 1, may repeat once after 10-15 min
- Diazepam (Valium): 5-10 mg IV q 5-10 min to maximum dose 30 mg

For Persistent Seizures

- Neuromuscular block and intubate
- Obtain radiographic imaging
- ICU admission
- Consider anticonvulsant medications

Safe Motherhood Initiative





Postpartum (and Antepartum) Preeclampsia

EMERGENCY DEPARTMENT

EXAMPLE

Postpartum Preeclampsia Checklist

IF PATIENT < 6 WEEKS POSTPARTUM WITH:

- BP ≥ 160/110 or
- BP ≥ 140/90 with unremitting headache, visual disturbances, epigastric pain
- Call for Assistance
- Designate:
- Team leader
 Checklist reader/recorder
- Primary RN
 Ensure side rails up
- Call obstetric consult: Document call
- Place IV; Draw preeclampsia labs
- O CBC O Chemistry Panel
- O PT O Uric Acid
- O PTT O Hepatic Function
- 🔾 Fibrinogen 🛛 🔾 Type and Screen
- Ensure medications appropriate given patient history
- Administer seizure prophylaxis
- Administer antihypertensive therapy
 Contact MFM or Critical Care for refractory blood pressure
- Consider indwelling urinary catheter
 Maintain strict I&O —
- patient at risk for pulmonary edema
- Brain imaging if unremitting headache or neurological symptoms
- * "Active asthma" is defined as:
- (A) symptoms at least once a week, or
- (B) use of an inhaler, corticosteroids for asthma during the pregnancy, or
 (C) any history of intubation or hospitalization
 - for asthma.

Magnesium Sulfate

Contraindications: Myasthenia gravis; avoid with pulmonary edema, use caution with renal failure IV access:

- Load 4-6 grams 10% magnesium sulfate in 100 mL solution over 20 min
- Label magnesium sulfate; Connect to labeled infusion pump
- Magnesium sulfate maintenance 1-2 grams/hour

No IV access:

10 grams of 50% solution IM (5 g in each buttock)

Antihypertensive Medications

For SBP ≥ 160 or DBP ≥ 110

(See SMI algorithms for complete management when necessary to move to another agent after 2 doses.)

- □ Labetalol (initial dose: 20mg); Avoid parenteral labetalol with active asthma, heart disease, or congestive heart failure; use with caution with history of asthma
- Hydralazine (5-10 mg V* over 2 min); May increase risk of maternal hypotension
- Oral Nifedipine (10 mg capsules); Capsules should be administered orally, not punctured or otherwise administered sublingually
- * Maximum cumulative IV-administered doses should not exceed 220 mg labetalol or 25 mg hydralazine in 24 hours

Note: If first line agents unsuccessful, emergency consult with specialist (MFM, internal medicine, OB anesthesiology, critical care) is recommended

Anticonvulsant Medications

For recurrent seizures or when magnesium sulfate contraindicated

- Lorazepam (Ativan): 2-4 mg IV x 1, may repeat once after 10-15 min
- Diazepam (Valium): 5-10 mg IV q 5-10 min

Safe Motherhood Initiative



Revised January 2019



Postpartum Surveillance



Necessary to prevent additional morbidity as preeclampsia/eclampsia can develop postpartum

INPATIENT

- Measure BP every 4 hours after delivery until stable
- Do not use NSAIDs for women with elevated BP
- Do not discharge patient until BP is well controlled for at least 24 hours

OUTPATIENT

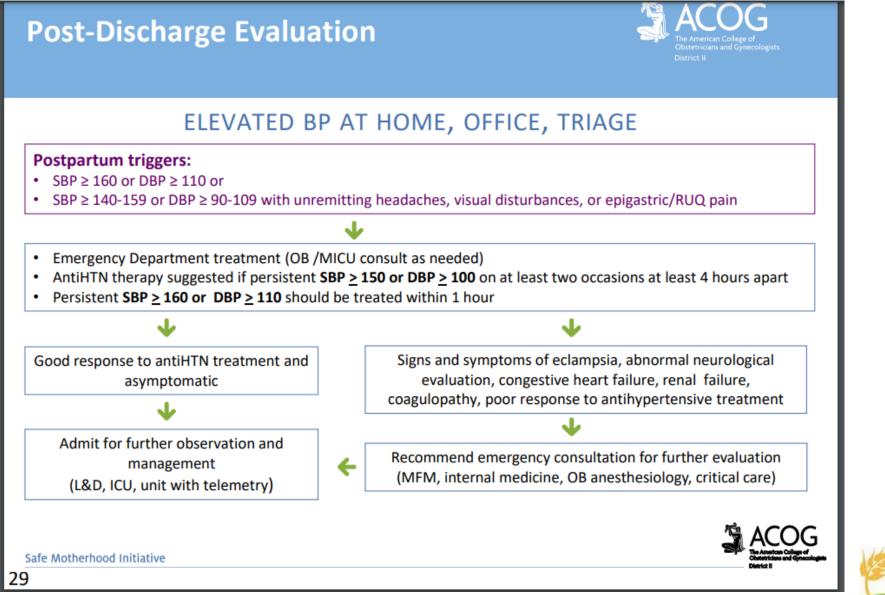
- For pts with preeclampsia, visiting nurse evaluation recommended:
- ✓ Within 3-5 days
- Again in 7-10 days after delivery (earlier if persistent symptoms)

ANTIHYPERTENSIVE THERAPY

- Recommended for persistent postpartum HTN: SBP ≥ 150 or DBP ≥ 100 on at least two occasions at least 4 hours apart
- Persistent SBP ≥ 160 or DBP ≥ 110 should be treated within 1 hour



EXAMPLI





Next Month....

Understanding Hypertensive Disorders of Pregnancy March 25, 2025, from 12-1 CST

*BE ON THE LOOKOUT!!!

You will receive the recording of this session along with the PowerPoint to share and/or review with your colleagues and staff from the KPQC email.



Thank you!



STAY if you're enrolled, or POSSIBLY enrolled



Severe Hypertension in Pregnancy Patient Safety Bundle (2022)

Element Implementation Details



SAVE THE DATE!

KANSAS PERINATAL QUALITY COLLABORATIVE

April 23rd, 2025 9am-1pm *Lunch will be served

Agenda:

- Severe Hypertension in Pregnancy: Bundle work
- Celebration of FTI Completion: Awards Presentation

Note: All enrolled facilities should send at least one representative to be in attendance

Sunflower Foundation, 5820 SW 6th Ave, Topeka, KS 66606

Further details coming soon!





AGENDA

>Enrollment questions > *NEW sites: set up with TA (KCC, MAVIS, High 5, KBC, etc) ➢ RedCap link questions *Cheat Sheet \blacktriangleright Non-birthing facility questions *Updated "Facts Sheet" Timeline & Goals: coming soon ≻Kari

*Breastfeeding survey, plans, and questions *POSTBIRTH plans







ifedipine PO as Prima

Antihypertensiv

Repeat BP in 20

Repeat BP in 21 minutes

consultation

□AIM Bundle docs: <u>https://saferbirth.org/psbs/severe-hypertension-in-pregnancy/</u>

□Watch the following & send out to staff/Admin/QI

https://vimeo.com/743542904\

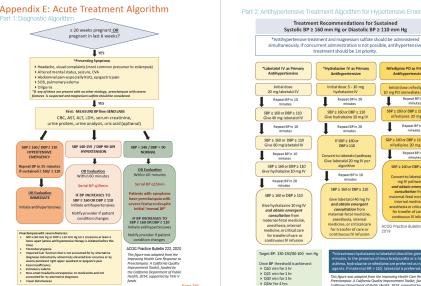
CMQCC: Improving Health Care Response to Hypertensive Disorders of Pregnancy... 238 pages of fun!

 CMQCC Hypertensive Toolkit Patient Education Checklist

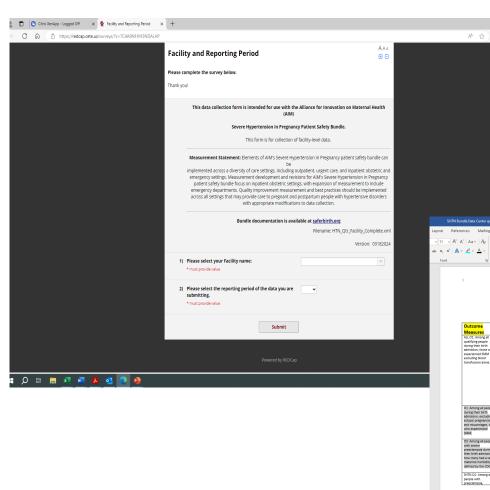
How to properly take a blood pressure https://opgic.org/wp-content/uploads/2015/05/Accurate-BP-Fly

□ Home BP Kit education

CMQCC YouTube Video



I'm ENROLLED! What happens next?



SHT	N Bundle Data Ce	nter questions.Cheat S	Sheet 1.25 - Saved to I		,♀ Search								Str						
t Re	eferences N	1ailings Review	View Help																
- A	A A Aa~	A0 = - = -	₩E ~ EE EE A.		AsBbCeDr A	DbC Asb	α Δaκ	anhcan	AaBbCcDi AaBbCcDi	Anthony Anthony	AaRbCeD	Authorn Aut	Bacc						
			≣ ≣- &-!	Habboood					Subtle Em Emphasis										
	A * 📥 * 4					adding 1 Theadain	ge mie			intende en strong	Quote	intense qui subi							
ont		5	Paragraph	r <u>a</u>					Styles				J						
	9						10												
	9						10												
		4184 5-11-1	Hypertension in Pregn	ICD 10 Codes Line				000 0											
	Code	Definition	Hypertension in Pregr	nancy icb to codes cist	T.				evere Maternal M Diagnoses										
	0111	Pre-existing hypertension w	with pre-eclampsia, first trimester																
	0112	Pre-existing hypertension w	with pre-oclampsia, second trimester	6				2: Ane 3: Acut	urysm e renal failure	(excluded) 19: Hysterecto 20: Temporary 21: Ventilation	πy								
	0113	Pre-existing hypertension w	with pre-oclampsia, third trimester					5: Amr	t respiratory distress syndrom iotic fluid embolism	20: Temporary 21: Ventilation	tracheostomy								
	0114		with pre-oclampsia, complicating chile					7: Con 8: Diss	version of cardiac rhythm eminated intravascular coagu	ation	Caveat:								
	0115		with pre-oclampsia, complicating the with pre-oclampsia, unspecified trime					9: Ecla 10: He	e myocardial infarction urysm e renal failure f respiratory distress syndrom ioto fluid embolism diac arrestventricular fibrillatic ervision of cardiac rhythm eminated intravascular coagu mpsia art failure/arrest during surger ire	or All Compo	site Measure challenge of	es							
	01410	Severe pre-eclamosia, unsp						procedi 11: Pui	are erperal cerebrovascular disord	differing fi	equencies a	nd							
	01412	Severe pre oclampsia, secon	nd trimestor					13: Se 14: Se	ar trainer of the total of a suger reperat cerebrovascular disorr inonary edema / Acute heart vere anesthesia complications psis ock kle cell disease with crisis rombotic and air embolism	their indic	everities amo ators	ong							
	01413	Severe pre-oclampsia, third						15: Sh 16: Sic	ock kle cell disease with crisis										
0 🕼	01414	Sovere pre-oclampsia comp					(AIA	17: Th	ombotic and air embolism										
rin 1∕=	01415	Severe pre-oclampsia, comp HELLP syndrome (HELLP), ur					On addition of a												
	01422	HELLP syndrome (HELLP), syndro																	
	01423	HELLP syndrome (HELLP), th																	
	01424	HELLP syndrome (HELLP). O																	
	01425	HILLP syndrome (HELLP), o											_			_			
	01500	Eclampsia complicating pre	gnancy. unspecified trimester						SHTN Bundle Data Cent	r questions.Cheat Sheet 1.2	5 - Saved to U:	Drive -	₽ Search						
	01503	Eclampsia complicating pro							References Mai	ings Review View	r Help								
	0151	Eclampsia complicating labo	or						~ A* A* Aa~ A		≅ ≅ ⊉↓	¶ AaBbCcDo	AaBbCcDc A	aBbC(AaBbCcE Aa		AaBbCcDi AaBb	CcDi AgBbCcDi Aal	BbCcDt AaBbCcDt	AaBbCcDi AA
	0152	Eclampsia complicating the							x² 🗛 - 🖌 - 🛕		- 4 - 11	- T Normal	T No Spac H	leading 1 Heading 2 Ti	tle Subtitle	Subtle Em Emph	asis Intense E S	trong Quote li	ntense Q Sul
	0159	Eclampsia, unspecified as to								r5/ Paragra		15				Styles			
	end Hum contents o	net was developed with support a in Services (HMS) as part of an awa re those of the author(1) and da no	ty the Mean Hesources and Service and, UC4MC49476, totaling \$3,000,0 at necessarily represent the official	es Administration (HRSA) of the U.S. D 000 with ON financed with non-govern views of, nor an endorsement, by HR	epartment of Heath Imental sources. The IA, HHS, or the U.S.														
	© 2023 A in its entit	nt. For more information, please vi nerican Callege of Obstetricians an etv and without modification, for s	isit HRSA.gov. Id Gynecologists. Permission is here salely non-commercial activities that	eby granted for duplication and distri at are for educational, quality improve	bution of this document, ment, and patient				11					1	2				
	sofety pur	poses. All other uses require written	n permission from ACOG.		10														
									Hyperte • Two ser sport. V • May tre	Decrtensive E SIVE EMERGENCY: re IP values (asig/list) taken 15-60 m lists du not need to be consecutive, t within 15 minutes if claically indicat valocistance	notes Magner Contraindice polymenary	sium Sulfate ations: Nyasthenia gravis; avo edema, use caution with renal	old with al failure		Abbeur	IN D. Suspect	New Orset HTN? 2 140/90	ssia Algorithm	
		D Sear									Load 4-	6 grams 10% magnesium sulfs over 20 min	late in soo ml.		o TA	YPICAL PREECLAMPSIA and do laboratory assessment	YES	education needs	
ussions.cnear sneet 123		ע sear	rch						O Tes O Ch	ate: n leader cklist readet/recorder nary RN	infusion	i over 20 min agnesium sulfate; Connect to lat pump ium sulfate maintenance 1-2 g	gramyhour				BP		
				0.0 L					Ensur	side raits up	No IV acce	1965: Is of 50% solution IM (5 g in 6			<	Proteinuria POR: 2 0.3	≥ 160/110* YES	eat with	
	= == z ↓ 1 - 0 • •	AaBbCcDc AaBbCcDc 1 Normal 1 No Spac.	 AaBbC(AaBbCcE Heading 1 Heading 2 	Title Subtitle	AaBbCcDi AaBbCc Subtle Em., Emphas	Dr AaBbCcDr AaBl s Intense E., Str	CcDt AaBbCcDt Ac ang Quote Int	ense Q Subtle	l patier	medications appropriate given history		pertensive Medication	ns		Ges	national Preerlamensia	Preeclampsia	bhypertensives with	
Paragraph					Styles				Admin sulfat	ister seizure prophylaxis (magnesis first line agent, unless contraindi-	m For SBP > 1 (See SW of	uéo or DBP = 110 Igorithms for complete manag Io mave to another agent afte	gement when			HTN Preeclampsia	Severe Featur	reat with Nagnesium sulfate	
									cated	notancies tharms within a hour	Labetalo	al (initial dose: 20mg); Avoid p i with active asthma, heart dis five heart failure; use with caut of asthma	parenteral teate. or		CI Fe	heck for Severe satures:			
				2					for pe	pertensive therapy within 1 hour sistent severe range 8P V: Draw preeclampsia labs	congest history of	ive heart failure; use with caut of asthma	tion with			Visual Changes Abdominal Pain	addition to HTN or	: 34 weeks with HTN as ONLY severe feature	
SHTM B	undle: Kansas			eciamosia, or HELLP	Preeclamosia.	payor	10. ICD Codes for all	1		V; Draw preeclampsia labs ital corticosteroids weeks of gestation)	🗌 Hydralaz	zine (5-10 mg N* over 2 min);	: May increase		:	Visual Changes Abdominal Pain Pulmonary edema Thrombocytopenia (c100k) Elevated LFTs (2x normal) Crantinia = 1.3	2 34 weeks	Ļ	
"Cheat Sheet" Ba		tedCap		Syndrome, those who experienced severe	Eclampsia, and HELLP Syndrome (excluding transfusion codes	Denominator: All qualifying pregnant	diagnoses of Preeclampsia, Eclampsia and HELLP			weeks of gestation) Iress VTE prophylaxis requirement	be admi administ	empine (so mg captores); cap inistered orally, not punctured tered sublingually	d or otherwise			Elevated LFTs (2x normal)		Antepartum	
	n 2025			eciampsia, or HELLP Syndrome, those who experienced severe maternal morbidity excluding blood trensfusions alone	transfusion codes alone)	payor Denominator: All qualifying pregnant and postpartum people during their birth admission with preeclampsia, eclampsia, and HELLP windrome	Eclampsia and HELLP syndome on Page 9			ndwelling urinary catheter maging if unremitting headache or	* Maximum not exceed	maternal hypotension leddpine (so mg capsules); Cap inistered orally, not punctured tered sublingually i cumulative IV-administered a 220 mg labetaloi or 25 mg h	doses should hydralazine in		-	Elevated LDH	Baby delivered at center with appropriate level	Antepartum admission or ANSFER to center with appropriate evel of maternal	
			_			preeclampsia, eclampsia, and HELLP	Question is asking for you to report that for		neuro	f patient, family, and obstetric tear	Note: If first	t line agents unsuccessful, en h specialist (MFM, internal me logy, critical care) is recomme	mergency attribut OR			NO Deliver at 37	of maternal and in neonatal care and	with appropriate evel of maternal nd neonatal care	
Name	Description	Notes				Numerator: Among the	Preeclampsia, Friomesia, or HFLLP				anesthesion					weeks	Based on ACDS Practice 8	Bulletin 222, June 2020	
Severe Maternal Morbidity (excluding	Report N/D Disaggregate by ra and ethnicity, newor	CE Maternal Morbidity Indicators" graph, pag	-			denominator, those who experiences severe maternal morbidity, excluding those who experienced transfusion alone	Question is asking for you to report that for those with Preeclampsia, Eclampsia, or HELP syndrome, how many experienced Severe Maternal Marbidity		(S sympt (S) use of	hma* is defined as: ms at least once a week, or in inhaler, corticosteroids for asthma he pregnancy, of tory of intubation or hospitalization me.	Anticon	nvulsant Medications				The management and de Preeclampsia a	cision to deliver baby applies and Gestational Hypertension	equally to	
Morbidity (excluding transfusion codes alone)			le .			maternal morbidity, excluding those who experienced	Maternai Marbidity during their birth admission?		© any hi for ast	ne pregnancy, or tory of intubation or hospitalization ma.	contraindicat	t selzures or when magnesium sui ted am (Ativan) : 2-4 mg IV x 5, m					BP ACCORDINGLY		
	qualifying pregnar and postpartum p	t If you are not able to disaggregate by race of	ar l			transfusion alone	fueu cao oct					-s5 min m (Vallum): 5-s0 mg N q 5-s0 m dase 30 mg	o min to		*Clinicians may c	If abnormal labs o onsider antihypertensive therap	r symptoms, proceed to deliv py at 155/105 mm Hg given the a	ssociation with increased	
	during their birth admission	stople disaggregate by race of payor, please simply put total number in "A (Total)"	4				disapprepate by race or payor, please simply put data under "All (Total)"								maternal morbidi Blood Pressures:	ities at this threshold in several A Clinical Conundrum on page :	py at 155/105 mm Hg given the a studies as discussed in Toolkit Se 35.	oction: Borderline Severe-Range	
	Denominator: All qualifying pregner and postpertum p during their birth admission Numerator: Amon denominator, those who experie severe	nced (10128)"					(Total)"			e Motherhood Initia nuary 2019	ave		ACOG		This figure was add Improvement Toolk	apted from the Improving Health G it, funded by the California Deport	are Response to Preeclampsia: A Cal Iment of Public Health, 2014; suppor	ifornia Quality rted by Title V funds. Page 178	
	severe maternal morbidit excluding those who experienced	ONCE PER YEAR report from facilities	1				ONCE PER YEAR report from facilities			gency Checklist (2019)				c	MQCC.HTN Toolkit. P	age 29			
	excluding those who experienced																		
ple **THIS is not currentl in the Data Center, bi will be added	transfusion alone	ONCE PER YEAR report from facilities	1																
in the Data Center, bu will be added																		<u> </u>	
those																			
ple **THIS is not current	ni -	See "CDC Severe	-																
in the Data Center, bu	ii ii	See "CDC Severe Maternal Morbidity Indicators" graph, pag																	
evere y as		ONCE PER YEAR report from facilities	•																
6																			<u> </u>
all Severe Maternal Morbidity among People with	Report N/D Disaggregate by ra and ethnicity,	Ce Maternal Morbidity Indicators' graph- pag																	/
1.1.50(05.000)	, and company,	I messed a great page																	

CDC Severe Maternal Morbidity (SMM) Indicators

Diagnoses

- 1: Acute myocardial infarction
- 2: Aneurysm
- 3: Acute renal failure
- 4: Adult respiratory distress syndrome
- 5: Amniotic fluid embolism
- 6: Cardiac arrest/ventricular fibrillation
- 7: Conversion of cardiac rhythm
- 8: Disseminated intravascular coagulation
- 9: Eclampsia
- 10: Heart failure/arrest during surgery or procedure
- 11: Puerperal cerebrovascular disorders
- 12: Pulmonary edema / Acute heart failure
- 13: Severe anesthesia complications
- 14: Sepsis
- 15: Shock
- 16: Sickle cell disease with crisis
- 17: Thrombotic and air embolism

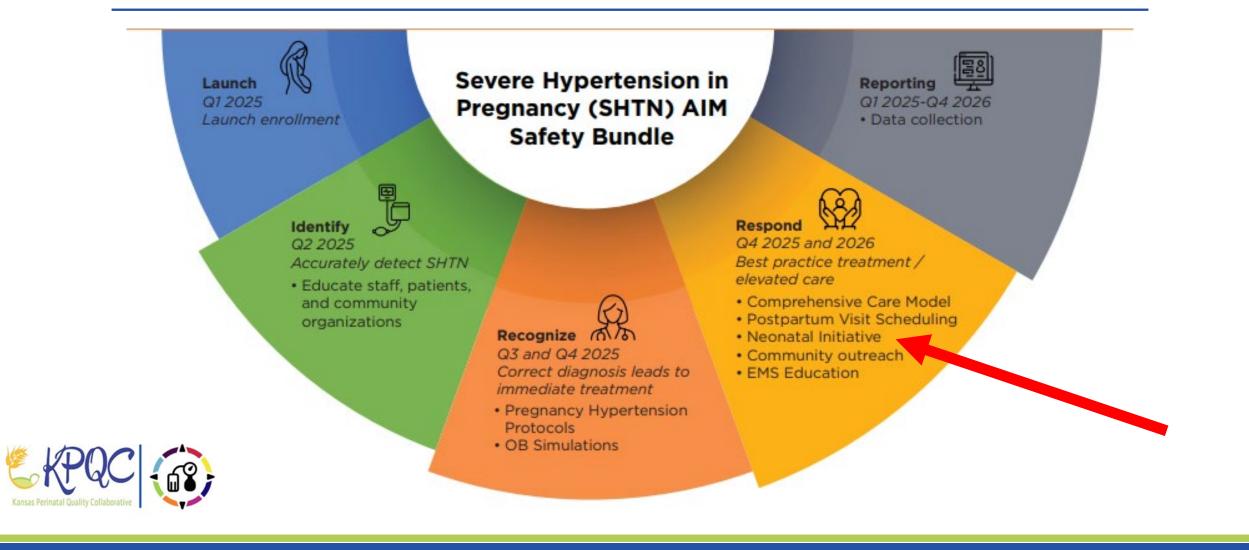
Procedures

- 18: Blood transfusion (excluded)
- 19: Hysterectomy
- 20: Temporary tracheostomy
- 21: Ventilation

Caveat: All Composite Measures have the challenge of differing frequencies and differing severities among their indicators



Why am I completing a Breastfeeding Survey?



POST BIRTH Warning Signs Education





a property to compared by the least spectrum d, foreign work, for other, the compared investor, their follows constant to following a spectrum or measuring or goals, back to investor interaction of the spectrum of the s

CONTRACTOR AND ADDRESS OF ADDRESS NUMBER AND ADDRESS OF THE OWNER, SUBJECT

UPDATED in 2023: AWHONN'S POST BIRTH Warning Signs Education course provides a standard approach to postpartum pre- and postdischarge education for all patients, regardless of risk factors. Participants are educated about the US maternal morbidity and mortality crisis, definitions, causes and contributing factors. This education provides participants with strategies to educate patients and their families to recognize POST BIRTH Warning Signs.

Training Dates:

Monday, March 24, 2025 0800-0930 Friday April 11, 2025 0800-0930 Thursday April 17, 2025 2000-2130 Monday April 21, 2025 0800-0930 Monday May 5, 2025 1200-1330

Monday May 12, 2025 0800-0930 Friday May 23, 2025 0800-0930 Thursday June 5, 2025 1900-2030 Friday June 20, 2025 0800-0930 Monday June 30, 2025 1900-2030

Link to register will be coming!

Next Month....

Understanding Hypertensive Disorders of Pregnancy March 25, 2025, from 12-1 CST

*BE ON THE LOOKOUT!!!

You will receive the recording of this session along with the PowerPoint to share and/or review with your colleagues and staff from the KPQC email.