PA PQC December 16, 2020 Learning Collaborative: Peer to Peer Learning Handout

Maternal OUD

Site Name:	Key Interventions:
Allegheny Health	Have OB offices send list of patients who have positive screen.
Network- Forbes Hospital	 Social work able to initiate plan before patient even arrives for delivery.
	 Social work to reach out to other facilities to see how they are working through this.
Allegheny Health	• We provided staff-wide education on SUD/OUD as well as use of the 5P screening tool.
Network- Jefferson	 We began screening all pregnant people for OUD/SUD in the outpatient setting.
Hospital	• We refer appropriate patients to our Perinatal Hope Program and/or a social worker to more fully identify their
	needs and make a plan for the remainder of their pregnancy care.
	• We are now preparing to educate our inpatient staff to start the next phase of our work at Jefferson which will
	include screening all patients with the 5P tool on admission.
Allegheny Health	Staff Education
Network- Saint Vincent	Provider documentation education (completed)
Hospital	Laminated tip sheets located at provider PC's
	Incorporate information: SVH Growing Hope program & community support available for addicted moms-to-be
	• Utilization of NAS informational booklet (<i>implemented</i>), access in provider offices and community locations
	 Distribution of community agency support listing (in process, target for completion – November 2020)
Einstein Medical Center	No workflow in current state
Philadelphia	 Solution- work with current MAT program pilot to determine how to perform out-patient screening for OUD
	Need standardized screening tool
	 Solution- choose tool from ones presented at PA PQC and work with MAT program pilot leaders to
	coordinate efforts
	Change in workflow for providers and MA staff
	 Solution- develop educational plan for provider and MA staff
	Lack of provider resources for SBIRT
Concernation Management	Solution- develop multi-disciplinary team to determine utilization of resources
Conemaugh Memorial Medical Center	 Solidifying reporting process used to capture women screened for SUD and OUD.
	Identification of standardized and universal screening tool.
	Implementation of screening tool across all practices.
Geisinger	Implementing universal NIDA screening
	Implementing a clinical pathway for positive screens
Cuthole Heavital	Re-educating on urine toxicology protocol
Guthrie Hospital	Finding a validated screening tool- chose 4P's tool
	Educating staff and training on chosen tool
	Implement screening of all pregnant women at least once during prenatal care (to start)
Jefferson Health-	 Universal Screening with 5Ps tool at first prenatal visit & all triage & inpatient admissions to L&D
Abington Hospital	

Site Name:	Key Interventions:
Lehigh Valley Health	Educate all Prenatal Care Providers on the 4P's and scripting
Network- Pocono	Educate on the referral process to the LSW
	 Provide educational materials to pregnant women with OUD
	Created an OB nurse navigator position to follow at risk patients from prenatal through post-partum for
	compliance
Main Line Health	 Social Work Evaluation of Outpatient Resources Across 4 Hospitals & 4 Geographic Counties: Goal to Optimize & Standardize
	 Develop Clinical and Psychosocial Pathways for OUD/SUD and NAS
	• Coordinate early consultation (34-36wks) of with Neonatology to optimize therapies and care plan
Penn Medicine- Chester	Completed process mapping, gap analysis, Affinity Diagram, & brainstorming
County Hospital	• Established working groups:
	 Development of staff and patient education program
	 Implementation of Eat, Sleep, Console
	 Establishment of 5P's in inpatient and outpatient settings
Penn Medicine- Hospital	Create standardized workflow for SUD/OUD screening and education
of the University of	 Screen all pregnant patients for SUD/OUD using a validated screening tool
Pennsylvania	• Map local SUD/OUD treatment options that provide MAT and women-centered care including local resources
	that support recovery
Penn State Health-	• Gain consensus & approval on a validated screening tool to screen all pregnant women for substance use- Done
Hershey Medical Center	• Draft a paper patient-friendly form to screen patients at the time of the first prenatal appointment- Done
& Children's Hospital	• Develop workflow to identify: who will respond to patients who screened positive; who will refer patients to
	treatment; and to whom can we refer our patients- Done
	Draft Substance Use Treatment Referral Reference List- Done
	 Provide unbiased non-judgmental, trauma-informed care:
	 Complete baseline attitudes measurement staff survey- Done
	 Provide education/intervention- Done
	 Complete reassessment through the attitudes measurement staff survey
	Complete staff education regarding:
	 The 5Ps tool and screening rationale- Done
	 The 5Ps screening process and SBIRT- Done
	Spread to other practice sites within the health system- In progress
St. Clair Hospital	• We began using the 5Ps tool for outpatient prenatal visits and inpatient admissions to our hospital in June 2019.
	• We coordinated with the affiliated OB offices for them to utilize this tool for screening their pregnant patients in
	the office setting, starting with the 1st prenatal visit and then again in the 2nd and 3rd trimester.
	• We provided the OB offices with referral forms to be faxed to our Level 2 Nursery Coordinator for follow-up
	care. When our nursery coordinator receives a referral, she reaches out to the family to discuss the care they
	can expect when they arrive for their delivery.
	We educated inpatient nursing staff on 5Ps screening tool and implemented it to be utilized on all patients
	admitted.

Site Name:	Key Interventions:
Tower Health- Reading	Clinical pathway for pregnant women with OUD
Hospital	 Screening for SUD
	 Hospital observation for MAT induction, methadone and buprenorphine offered
	 Connection with methadone program in county.
	 Suboxone maintenance program at Women's Health Center for pregnant women with OUD.
	 Intensive case management with the COE, drug & alcohol treatment, social services, prenatal
	development of Plan of Safe Care, connection with Early Intervention, prenatal parent education on
	NAS.
UPMC Womens Health	Access:
Service Line	 Maternal medical support to prevent withdrawal during pregnancy
	 On call service for all UPMC hospitals 24/7
	 Provide regular prenatal and other medical appointments
	 4 Outreach Community Centers
	 Same day on next day within 24-hour appointments
	Prevention:
	• Community education
	 Obstetrical provider education
	 Minimize fetal exposure to Opioid substances
	 Early engage mother as a leader in her recovery
	• Narcan "to go"
	Response:
	 Pregnancy Recovery Center (Prenatal & Postpartum) UDMC Use kholes are servered.
	 UPMC Healthplan engagement
	 Support programs for patients, families, staff Multidiagializer toom OB_N45N4_SN4_Nurses_N4antal Health theremists
	 Multidisciplinary team OB, MFM, SW, Nurses, Mental Health therapists Methodone Conversion to humanorphing from input to output
	 Methadone Conversion to buprenorphine from inpt. to outpt. Outpatient huprenorphine medication treatment
	 Outpatient buprenorphine medication treatment Warm hand overs
	 Warm hand overs ED Physician and APP trained in buprenorphine treatment
	 Reporting: Centers of Excellence
	 State, Allegheny County, UPMC Healthplan
Wayne Memorial	 Report as appropriate to various committees Offer the 5P's screening at all patient encounters, NST Observation and admissions in paper form.
Hospital	
ποριται	 Enter answers to the screening questions in the patients' medical record. Enter Social services consult and /or provider evaluation as indicated
	Enter Social services consult and/or provider evaluation as indicated
	Evaluate screening report for monthly rate.
	Track patients referred for MAT

Neonatal Abstinence Syndrome (NAS)

Site Name:	Key Interventions:
Allegheny Health	Met with key stakeholders (neonatologists, pediatrician, pharmacy, NICU nurse manager, MCH educator, two
Network- Saint Vincent	NICU nurses) re: modified Finnegan assessment, pharma logical intervention, nurse education/process in place to
Hospital	achieve a more standardized approach in NAS scoring babies in the NICU
	Presented Eat, Sleep, Console (ESC) initiative to (9) Family Practice Residents plus medical students on
	11/5/2020. Presented by: Dr. Susheel, NICU NM, and NICU nurse
	Mother-baby staff assigned to watch YouTube video titled: "Reconsidering the Standard Approach to Neonatal
	Abstinence Syndrome" by Dr. Matthew Grossman on 11/2/2020
	• Two Mother-baby nurses (as part of their master's capstone project) spearheading ESC initiative on Mother-baby
	(started on 11/16/2020). One of the nurses will focus on the mothers and their NAS babies, the other nurse will
	focus on the other mothers and their babies to prepare them to better manage the Baby's Second Night and
	reinforce the '5 S's' by Dr. Harvey Karp.
	Identified (6) super users on Mother-baby to resource mother-baby nurses re: ESC scoring
	NICU NM working with IT re: EPIC build for ESC documentation
	• Developed a tracking sheet titled "NAS Admission Log" for babies admitted to NICU. Data points include: patient
	label, baby from Mother-Baby or outside transfer, Strict No Publicity, date and time of NICU admission, discharge
	date, pharma logical intervention.
	Implementation date for ESC on Mother-baby is 12/14/2020
Allegheny Health	Reviewing and enforcing our process of inter-user reliability with Finnegan
Network- West Penn	Implementation of Eat-Sleep-Console strategy for management of NAS
Hospital	 Improve communication and provide education to referring PCP's
	Obtain certification as NAS Center of Excellence
Doylestown Hospital	Reinforced education to all staff on ESC approach. Create an inter-rater reliability tool by working with contacts
	within the PA PQC. Review with staff ESC tool and inter-rater reliability process to achieve 90% reliability.
	Continued use of NAS Order Sets with standardized medication dosing and faster weaning.
	Educated staff and parents regarding non-pharmacological interventions. Empower parents to provide these
	interventions to their baby. Provide family education abut NAS and ESC and what to expect in prenatal period
	through discharge.
	Reaching out to obstetric providers to refer pregnant women with OUD for Neonatal consult in order to begin
	prenatal education, tour maternity and pediatric unit, and discuss care of infant prior to delivery. Reinforce the
	Neonatal Consult template and pamphlet to help families understand their hospital stay from beginning to end.
	• Create a questionnaire for mother to complete prior to consult and at time of discharge to monitor effectiveness
	of educational process.

Site Name:	Key Interventions:
Einstein Medical Center	Sustain:
Montgomery	Multidisciplinary meetings bi-monthly
	• Continued distribution of information antenatally (pamphlets), and updated results at OB provider meetings
	Non-pharmacologic supportive measures
	Breastfeeding "Traffic Lights"
	Improve:
	Transportation and Food Vouchers for parents to stay with infants
	Post discharge follow-up and evaluation of Plan of Safe Care
	Community Out-reach through clinics and support groups
	Start:
	Transition to ESC with finalization of protocol and pathway
	Infant massage training
	Facility enhancements - parent lounge
Einstein Medical Center	ESC (pilot in January 2021)
Philadelphia	Open baby type NICU
	 Solution – Maryann Malloy to transition Care-by-Parent room to be able to be used for ESC dyad
	No current protocol in place for ESC at EMCP
	 Solution – Development of policy & procedure by EMCP PA PQC team
	No educational materials for staff re: ESC
	 Solution – Development of Healthstream educational module by EMCP PA PQC team in conjunction with
	Nursing Education and Professional Development Dept.
	Prenatal Consults (implementation in December 2020)
	Data collection of total opioid use mothers
	 Solution – place ticket for report from AeCIS
	Lack of educational materials in out-pt OB offices
	 Solution – finish informational pamphlet for mothers
	• Ensure on-going inter-rater reliability for use of the MOM NAS Score in the NICU by implementing a process for
	above by December 1, 2020
	Standardize use of MOM NAS Scoring system at EMCP by introduction and validation of system to Term Nursery
	by December 31, 2020
	Use of MOM NAS Score on MBU (Implementation SeptDec. 31, 2020)
	 Staff perception of difficulty of using MOM NAS Score Solution –
	 Solution – Education
	 Education Score NICU infants prior to rollout on MBU
Jefferson Health –	
Abington Hospital	Implementation of Eat, Sleep, Console tool for NAS assessment
Asington nuspital	

Site Name:	Key Interventions:
Mount Nittany Health	Help mothers recognize that they are encouraged/welcome with new brochure (Given at 28-week appt AND ORT
System-Mount Nittany	clinics) = 90/100 brochures given so far
Medical Center	 Increase staff interest and knowledge with VON training
	 Standardize/maximize non-pharmacologic interventions for NAS
Penn Medicine-	Identified physician & unit-based champions to participate in Eat, Sleep, Console (ESC) implementation team
Lancaster	• Completed assessment of current state with champions and identified areas of opportunity to improve
General/Women and	standardization and care of NAS infants
Babies	 Established a target condition to identify stakeholders and develop an action plan
	 Investigate EMR tools for OUD screening, ESC assessment and order set changes
	 Establish a method for reporting and determining baseline data
	 Validate current NAS report provides correct information
	 % Pharmacologic treatment rates
	 % weight loss during hospital stay
	 % 30-day readmission rates for NAS infants
Penn Medicine-	Prenatal consultation:
Pennsylvania Hospital,	 Creation of an EMR template for a prenatal consult for pregnant women with OUD
Newborn Medicine	Consistent use of NAS pamphlet with consult
	 Educating OB staff about need for prenatal consultation when able
	NAS care:
	PAH-specific NAS protocol (vs using CHOPs)
	 Guidelines on obtaining UDS for mothers and infants now live
	El referral:
	 Standardized EI referral (via EMR) by assigning neonatal NP who tracks/reports all OENs
Penn Medicine-	Non-pharmacological interventions – supplies, huddle process
Hospital of the	Education – staff and families
University of	Family support, volunteer program
Pennsylvania	Optimal care guidelines (safe sleep, nutrition)
	NAS Prenatal Consults
Penn State Health-	Universal collection of meconium at delivery or transfer
Hershey Medical Center	Cerner (EHR) order and task created
& Children's Hospital	 Store refrigerated specimen for 7 days
	Go-Live Date: June 1st, 2020
St. Luke's University	 Working with IT to create an EPIC report to accurately identify any babies with NAS & who are affected by OUD
Health Network	 PA PQC core team: working on completing the required NAS education to build competence & consistency within
	our NAS scoring throughout the network
Temple University	Education to Moms pre/post delivery
Hospital	 Getting OUD screening into EPIC
	 Teaching for Eat, Sleep, Console approach available on Healthstream
	 Created Nesting Room protocol

Site Name:	Key Interventions:
Thomas Jefferson	Improve Parental and Staff Education
University Hospital-	ICN nurses to treatment program for education sessions
Center City (Intensive	Educational materials and provider education at OB clinic
Care Nursery /Well	Breast feeding education during methadone/buprenorphine stabilization hospitalization
Baby Nursery)	Standardized prenatal neonatology consult
	Improve Breast Pump Access
	Coordinating with WIC
	Standardized process with post-partum and case management
	Improve Treatment Program Involvement in supporting breast feeding
	Working with new management to
	 improve maternal access from inpatient treatment to hospital
	Create pumping and milk storage space
	Support leaving sessions to pump
	Improve breast feeding support while in hospital
	Improving lactation consultant access
	Support skin-to-skin in NICU
	Encourage early breast feeding in DR, upon post-partum arrival
Tower Health- Reading	Implement "Eat Sleep Console" program on Specialty care unit. (Moms will room-in with newborns.) Transfer
Hospital	family to pediatrics when mother is discharged.
	Staff education, music therapy, cuddlers, OT, patient/family education, community education
UPMC Womens Health	Access:
Service Line	Maternal medical support to prevent withdrawal during pregnancy
	Provide regular prenatal and other medical appointments
	Prevention:
	Minimize fetal exposure to illicit substances
	Engage mother as a leader in her recovery
	Response:
	 Parent Partnership Unit (PPU)
	 Eat, Sleep, Console (ESC) implemented and spreading across system
	April 2020 Dr. Greg Barretto presented concept at UPMC PQC 2020
	• May 2020 conducted team training on Eat, Sleep, Console for Northwest, Horizon, Hamot, Cole
	• Developing a PPU model at each hospital based on each hospital's capabilities/resources
	• Developing a service line SUD Committee with membership consisting of representatives from each hospital
	for Plans of Safe Care.
	Reporting: Do Not of all NAS accurrences
	• Pa DOH of all NAS occurrences
	 Internal leadership and appropriate committees e.g. NICU

Site Name:	Key Interventions:
Geisinger Medical	 (re)educate providers and nurses on IUD insertion immediately postpartum.
Center (GMC)	Clarified billing, coding, and reimbursement processes.
	Clarified patient eligibility for reimbursement outside of the DRG.
	Improving device access on L&D (storage).
	Assessing patient desire for IP LARC.
Geisinger Wyoming	(re)educate providers and nurses on IUD insertion immediately postpartum.
Valley (GMV)	Clarified billing, coding, and reimbursement processes.
	Clarified patient eligibility for reimbursement outside of the DRG.
	Improving device access on L&D (storage).
	Assessing patient desire for IP LARC.
St. Luke's University	Provide counseling materials to outpatient offices and labor & delivery
Hospital- Anderson campus	Using EMR to identify patients who desire and receive LARC
St. Luke's University	Provide counseling materials to outpatient offices and labor & delivery
Hospital- Allentown	 Using EMR to identify patients who desire and receive LARC
campus	
UPMC Horizon	Educating providers on PP insertion of IUD
	 Increasing education for support staff in the hospital and the offices
	 Increasing patient knowledge regarding options for postpartum contraception.
	Strategies for billing
	Patient tracking so that those patients who desire it can receive it
	Ensuring proper and appropriate documentation

Immediate Postpartum Long-Acting Reversible Contraception (IP LARC)

Maternal Mortality: Hypertension

Site Name:	Key Interventions:
Allegheny Health Network- Saint Vincent Hospital	• Provide each antepartum/postpartum elevated BP/pre-eclamptic discharged patient with automated BP cuff DME to take, track BP's outside of the hospital (Target go live currently on hold)
Commonwealth Health- Moses Taylor Hospital	• Provide education to Labor and Mom Baby staff on use of the appropriate size BP cuff and the appropriate way to obtain a BP.
	 Developed scripting to help staff notify MD of severe range BPs. Development of Hypertensive Critical Event Checklist. Education of Labor, Mom Baby, ED, and ICU staff on the use of the Hypertensive Critical Event Checklist.

Site Name:	Key Interventions:
Evangelical Community	We are currently participating in multi-disciplinary meetings to accomplish the following:
Hospital	Patient education opportunities
	Assessment, treatment, and follow-up protocols
	Standardized order set and discharge instructions
	Standardization of patient placement
	Staff education: office, inpatient and ED
	Simulation drills/ Badge buddies
	Data collection
Geisinger	Implementing checklist for HTN Crisis
	Providing simulation & drills for education
	Reviewing medication access
	Creating order sets to avoid unnecessary clinical variation (go live Nov. 3, 2020)
	• Instituted home BP monitoring for patients with a diagnosis of CHTN, GHTN or Pre-Eclampsia/Eclampsia prenatally
	and postpartum (GHP patients only).
Lehigh Valley Health	All providers and nursing staff were educated with a Hypertension Disorders in Pregnancy module through
Network- Pocono	GNOSIS
	Clinical Practice Guidelines (CPG) related to perinatal hypertension reviewed with all OB providers and OB nursing
	staff with ED providers being educated in the near future
	 Daily interdisciplinary team rounding with reference to CPG's on HTN patients
	Submitted a Grant proposal collaboratively with ESU to have the nursing students provide blood pressure
	equipment and education to hypertensive pregnant patients in their home. Patients will proactively self-monitor
	and report blood pressures to OB office.
Penn Medicine- Chester	Preeclampsia Pathway
County Hospital	Hypertensive Management Pathway
	Postpartum Hypertension Pathway
	Adoption of Heart Safe Motherhood
Punxsutawney Hospital	Develop order sets for the ED for timely treatment of Hypertensive pregnant/postpartum patients
	• Education of ED staff/physicians on identifying & treating Hypertensive pregnant/postpartum patient using ACOG
	& AIM guidelines
St. Luke's University	Verified with ED if current screening process is to determine if patient recently had a baby
Health Network	Enlisted our EPIC IT team members to assist us with building a screening tool to be used in ED
	Contacted WellSpan contact to get input on what they have included in their screening tool
	 Ordered AWHONN magnets to distribute at discharge for mothers to put on fridge
Tower Health- Reading	HTN protocol in place by 7/1/20 (model after the California Quality Collaborative).
Hospital	AWHONN post birth warning signs education for staff & for all post-partum patients prior to discharge.

Site Name:	Key Interventions:
UPMC Womens Health	Readiness:
Service Line	 Diagnostic criteria, monitoring & treatment of severe preeclampsia/eclampsia, algorithms, order sets, protocols, staff & provider education, unit-based drills, debriefs. Process defined for timely triage & inpatient, outpatient, & ED evaluation. Medications for treatment stocked and immediately available. Recognition and Prevention: Protocol for measurement and assessment of BP and labs for all <i>pregnant and postpartum women</i> Prenatal & postpartum patient education and management of hypertension & preeclampsia provided at the
	 UPMC PQC (August/September 2020) Implemented remote monitoring for outpatient B/P monitoring and symptomatology, and currently being spread to the other system hospitals
	 Implemented a new daily discern report providing the nursing staff with patients who have blood pressures >>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	Response:
	 Implemented Nurse Driven Protocol for ordering remote monitoring. Provided take home toolkit for participants. Due to Covid-19, more patients are provided blood pressure cuffs in the outpatient setting.
	 Post birth warning sign magnets provided to all mothers upon discharge across UPMC
	Implemented Maternal Fetal Triage Index (MFTI) obstetrical triage rapid assessment tool
	• Draft system wide policy for assessing and managing HTN for approval December 7 th .
	• Providing patients with purple wrist bands to be worn for the 4 th trimester as a reminder to tell any healthcare provider they delivered, and issue can be related to the recent delivery HTN. Rolled out to all 15 hospitals in July.
WellSpan Health	Completed:
	Roll out of low dose aspirin screening in epic at the first OB visit
	Free aspirin provided at office
	Roll out of Relias OB education-Hypertension module complete
	Roll out of Meds to Beds (YH) to get severe HTN meds to patients prior to discharge.
	Implemented new policy on severe hypertension
	Implemented new physician guidelines on severe hypertension
	Implemented severe maternal morbidity reviews Creation of an Enio groups have a last to OB toom of an unit to triangle have a last to DB manufacture.
	Creation of an Epic grease board alert to OB team of severe HTN and to trigger need for repeat BP measurement in program and postportum women with severe hypertension
	 in pregnant and postpartum women with severe hypertension Education on SMM for all ED nurses rolled out at each entity
	 System wide ED policy approved by the ED system workgroup
	 System wide LD poincy approved by the LD system workgroup System wide debriefing form created and approved by the WCSL Education Committee
	In process:
	 Post-birth screen in the ED with BPA (DONE) goes live Sept. 15th

Maternal Mortality: Hemorrhage

Site Name:	Key Interventions:
Einstein Medical Center	Change in workflow for providers and nursing staff
Philadelphia	 Solution – educational plan developed for provider and nursing staff (January 2021)
	PPH Scoring in AeCIS
	• Solution – Cerner working with CMQCC to standardize scoring for risk tool based on AWHONN project (Jan. 2021)
Jefferson Health- Thomas	Upgrade to EMR allows PPH calculation tool to flow directly into Delivery Summary
Jefferson University	Collect data to determine predictability of PPH score
Hospital	Hemorrhage supplies added to delivery cart for remote deliveries (ICU)
	Assign K2 antepartum hemorrhage module
Penn Medicine- Chester	Code OB Emergency Response Developed
County Hospital	Hemorrhage Carts on Labor & Delivery and Mother/Baby
	OB Emergency Cards
	Interdisciplinary Simulations
Penn Medicine- Lancaster	Train champions to facilitate QBL process
General/Women and	 Feedback and process recommendations for clinical workflow
Babies	 Communication/Education with teams
	 Implemented EMR tool for PPH risk assessment (Go-Live 12/2/19)
	Inventory tools/equipment required for QBL process
	 Additional scale obtained for L&D
	 Implemented QBL with EMR calculator (Go-Live 2/2/20)
	 Expanded QBL process to all vaginal delivery patients (7/27/20)
	 Expand QBL process to include cesarean deliveries (TBD – January 2021)
	Order set changes approved by OBGYN Care Management team
	 Established a method for reporting and determining baseline data
	 OB Vaginal & Cesarean PPH reports built in EMR
	 Blood utilization and uterotonic usage reports
	o QBL report
Penn Medicine-	We implemented a comprehensive Code Crimson policy that includes 3 levels of hemorrhage with specific
Pennsylvania Hospital	assessments, actions, and checklists for each.
	• We made significant improvements to our QBL calculator and created a dashboard to measure our progress.
	• We educated all nurses and providers working in L&D or Mother Baby and had drills prior to implementation. A
	debrief occurs after each event.
Penn State Health-	Assessment by provider using an evidence- based tool.
Hershey Medical Center	Risk Assessment score placed in EMR and on electronic Chalkboard.
& Children's Hospital	Postpartum Hemorrhage kit with emergency medications present at every delivery.
	Postpartum Hemorrhage Cart containing guidelines for actions & emergency supplies immediately available.
	Simulation exercises are ongoing.

Site Name:	Key Interventions:
St. Clair Hospital	Unit-standard, stage-based, obstetric hemorrhage emergency management plan with checklists
	Quantification of blood loss
	• Standards for early warning signs, diagnostic criteria, monitoring and treatment of severe preeclampsia/eclampsia
	(include order sets and algorithms)
	• Establish a culture of huddles for high-risk patients & post-event debriefs to identify successes and opportunities
Temple University	Risk assessment for every patient
Hospital	Implement the hemorrhage protocol (everything will be consistent)
	Hemorrhage cart (virtual)
	Running Drills
	Cultural diversity training
	Pain Management protocol
Tower Health- Reading	Create standard for prenatal identification of high-risk patients, quantitative blood loss, and early interventions
Hospital	All nurses, providers attend yearly sim. QBL roll-out scheduled for 3/7/20; Sims – yearly
	Policy / protocol in place and communicated by 7/1/20

Site Name:	Key Interventions:
UPMC Womens Health	Readiness:
Service Line	 Includes: hemorrhage cart supplies, checklist, algorithms, hemorrhage medication kit, response team, advanced gynecologic surgery, massive transfusion protocols, unit guidelines, unit-based drills with post-drill debriefs, and staff/provider education Recognition and Prevention: Standardized assessment tool
	 Admission, other appropriate times
	 Measurement from EBL to QBL & defined quantity
	Response:
	Support programs for patients, families, staff
	 Service Line MMRC has been established, second meeting held July 13, 2020, 4 cases reviewed from 2019 and 2020 and shared recommendations with UPMC PQC Leadership. One outcome was the creation of the WHSL Perinatal SUD Committee.
	Conduct tracers for compliance to 2020/2021 The Joint Commission Standards
	 Draft system wide policy for assessing and managing PPH for approval December 7th
	 Established Service Line Education Committee to address opportunities identified in the Gap Assessment-ongoing PPH protocol, addressing key elements within the 4 domains.
	Plan to procure new medical device called Jada for managing PPH. Jada device approved and will be rolled out across all 15 birthing hospitals
	Training to begin 2021
	 Provided education on management of PPH at UPMC PQC meeting October 2020 and conducted virtual simulation at the November session.
	Reporting:
	Event reporting to Risk/Quality Department
	 Multidisciplinary review for opportunities in systems and processes
	 Internal hospital systematic reviews are conducted per occurrence
	Monitor outcomes and metrics via Obstetrical Dashboard all hospitals have direct access
	Report as appropriate to various committees

Maternal Mortality: Timely Fourth Trimester Contact

Site Name:	Key Interventions:
Jefferson Health-	Standardized guidelines for PP follow-up (current focus on HTN and PPD)
Abington Hospital	Interprofessional postpartum rounding on inpatient Mother-baby units
	Developing standardized guidelines for postpartum follow-up