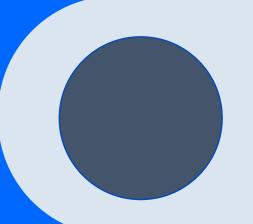




Application of quality improvement tools to pursue big aims through small steps of change



Jane Colwell, MSN, RN Senior Director, Carilion Women's Quality & Patient Safety



WYTHEVILLE

GALAX

CARILION Women's



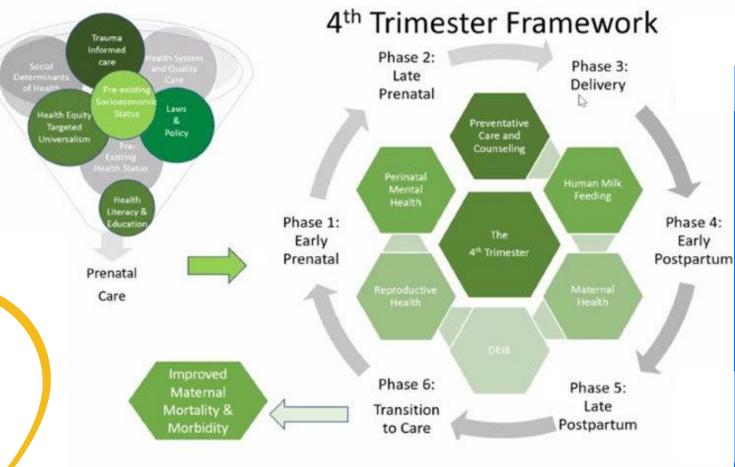


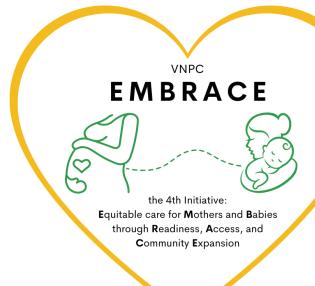












VNPC Project EMBRACE Workplan 2023										
	Early Prenatal (1st & 2nd	Late Prenatal (3 rd Trimester and	Delivery—All pregnancy	Early Postpartum (Discharge to 3	Late Postpartum (4 weeks to 6	Transition (6-12 months				
	Trimester)	Admission)	outcomes	weeks	months	postpartum)				
	······cster,	, amission,	(Admission to	postpartum)	postpartum)	postpartam,				
			,	postpartuiti	postpartuiti					
			Discharge)							
	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6 (Transition)				
Goal	*Screening	Coordination of care,	Preventative care	Policy & system	Optimization of	Decision to be made with				
	Risk assessment	Shared decision	*Education	hanges	patient referrals to	patient and provider				
	*Awareness of changes	making	Individualized	Dyad lenses/focused	pecialty providers	Establish a medical home				
	o body and new baby	Planning for changes	dentification of risk	are	Facilitate tele-health	or mom and baby dyad				
	Discuss culturally	is a dyad	actors—appropriate	*Connection to	visits as a preferred	Provide access to tele-				
	elevant aspects of		evels of follow-up care	community resources	nethod	nealth visits as needed				
	patient care (e.g.,				Utilize technology to					
	eligious practices).				mprove screening,					
					racking of long-term					
	nealth and education									
		Encom	passes all phase	es/subjects						
Objective 1	stablish a multidiscipli	inary fourth trimester t	team							
Metric	Does the hospital/community system have a multidisciplinary fourth trimester team? Yes or No									
Activity										
Activity	dentify a physician leader responsible for the outcomes of the fourth trimester activities. Physician leader team (OB/MFM/Ped and NP/CNM) dentify a nurse/Social worker/nurse navigator/case manager leader responsible for the daily operations and oversight of the fourth trimester									
	activities.									
					·					
1	_									
1	dentify a physician leader responsible for the outcomes of the fourth trimester activities. Physician leader team (OB/MFM/Ped and NP/CNM) dentify a nurse/Social worker/nurse navigator/case manager leader responsible for the daily operations and oversight of the fourth trimester activities. dentify a community leader responsible for the coordination and connection to services from hospital to community dentify additional team members to help with the success of the team, e.g., doula, population health, home visitor, alternative birth worker, community health worker, MCO representative, Nurse practitioner, Certified nurse midwife, pediatrician, family practice provider, faith leader etc team limited to 6-8 dentify a team member who is an expert in DEIB and cultural humility who can provide leadership and guidance on infusing this throughout the project.									
	dentify a team member who is an expert in DEIB and cultural humility who can provide leadership and guidance on infusing this throughout the project.									
Activity	dentify a team member	r with expertise in traur	ma-informed care who ca	n provide leadership and	I guidance throughout t	he project.				
Objective 2	The multidisciplinary	fourth trimester team	will create a formal writt	en project plan that eng	ages senior leadership	in efforts to improve				
	maternal and infant h									
Metric	-		am have a formal written		r leadership engagemer	nt? Yes or No				
Activity	•	•	nsor the fourth trimester							
Activity			work to coordinate the fo							
Activity			blem, the scope, the goal							
Activity	Identify the frequency	for staff training about	t maternal mental health	screening, substance use	e screening, coordination	on and connection to				
	services, education, and referrals for chronic conditions (hypertension, diabetes, cardiac conditions, obesity, etc.), trauma informed care and									
	cultural humility.									



Mental health conditions are the most common complication of pregnancy and childbirth, affecting at least 1 in 5 mothers or childbearing people (800,000 families) each year in the United States.



The cost of not treating maternal mental health conditions is \$32,000 per mother-infant pair totaling \$14.2 billion nationally.



75% of women
experiencing maternal
mental health conditions
do not get the care needed
for recovery.



Suicide and overdose are the leading causes of death in the first year postpartum with 100% of these deaths deemed preventable.



Individuals of color and individuals who live in low income neighborhoods are more likely to experience maternal mental health conditions and less likely to be able to access care.



Left untreated, these illnesses can have long-term negative impacts on parents, babies, families, and society.



5





Aims

- I. Community Engagement: Wrap around services, support, connections to resources
- II. Standard of Care:
 Screening, knowledge of
 evidence-based practices
 (ACOG recommended
 screening, follow-up)
- III. Education/Training: information for providers, staff, and patients about process and resources to meet patient needs.

Primary Drivers

Identify regional resources and support, invite community members to the table to learn about needs, partner with community initiatives

Identify a standard evidencebased screening process for perinatal anxiety and depression

- Implement Education/Training
- Provider Training
- Staff Training (inpatient/outpatient)
- Patient Education

Collaborate with Technology Services Group

Secondary Drivers

- · Review current resource lists
- · Gather feedback about gaps in resources from frontline staff
- · Research additional services available to patients
- Create system for connecting patient to resource local to them whenever possible
- · Create system for tracking when resource has been offered
- Establish process for keeping resource lists updated
- Reinforce use of Edinburgh Depression Screening at 1st and 3rd trimesters, inpatient L&D, and postpartum visits.
- Address staff/provider identified barriers to completion of screening
- Evaluate opportunity to add anxiety or violence screening to protocol
 - Consider algorithm for determining when to use additional tools
- OB provider training by mental health provider to clarify
 - Referral process and options
 - Discuss scope of care for each specialty
- OB staff training for screening and providing resources, patient centered communication
- Build a feedback loop to gain information from end users
- Patient education for postpartum depression and baby blues
 - Virtual resources for patients such as hospital tour and perinatal classes
- Knowledge of Epic options
- Assistance with developing optimizations
- Maximize current functionality
- Maintaining technology requests and communicating needs to Horizon team



Charter vs Project Plan

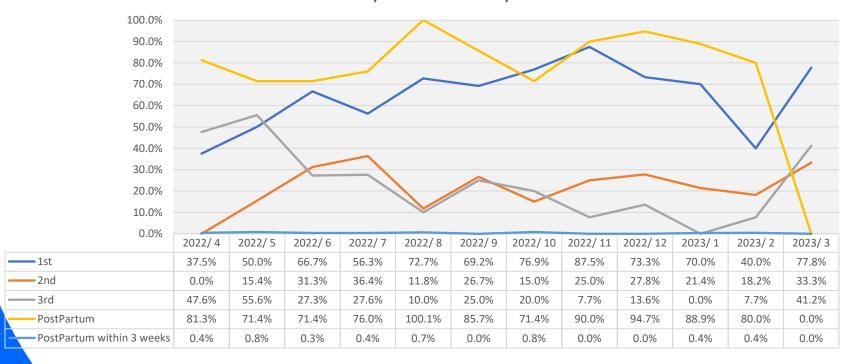


	Project Charter							
Project Name Virginia's EMBRACE the 4 th Initiative: Perinatal Mental Health Project								
Project Description		erinatal mental health for patients						
Project Lead		Jane Colwell	Project Sponsor	Michelle Franklin				
Goal Alignment	Maternal Mort	ality	Date Approved	3/12/2021				
	Busir	ness Case		Goals/Deliverables				
After in-depth review of the VNPC EMBRACE initiative work plan, we have determined that there are process and clinical outcomes opportunities that can benefit Carilion Women's by enhancing perinatal mental health care screening, coordination, treatment, and referral. Work will include utilizing evidence based best practice techniques which will be standardized across the department and organization. Patient education materials will be developed to promote best practice and optimal prenatal, birth, and postpartum experience in collaboration Carilion Psychiatry and community partners.			Identify regional resources and support, invite community members to the table to learn about needs, partner with community resources Identify a standard evidence-based screening process for perinatal anxiety and depression Implement education/training for providers, inpatient and outpatient staff, and patients Collaborate with Technology Services Group to leverage design of the electronic health record					
	Team	Members		Scope				
Nan	ne	Role	Carilion Women's services at Roanoke Memorial					
Sarah Dooley		Ambulatory Quality Lead		and New River Valley Hospital				
Isaiah Johnson		Physician Quality Lead	1	Nomen's ambulatory practices that provide OB				
Elizabeth Rutroug	gh	Ambulatory Operations Lead	care • All pregna	ant and postpartum patients receiving care				
Kristi Thomas		Data Analytics		ilion Women's				
		d Constraints		Milestones				
patient safety, an experiences can i	nd maternal/new impact reputation	have a potentially harmful impact on born outcomes. Negative patient on and result in reduced volumes as ng options and/or providers.	Education Streamlin	e lists developed n plan for providers, staff, and patients ne screening processes				
1 Percenta	ego of pregnant r		e asures health in their first t	trimester using a valid tool				
Percentage of pregnant patients screened for perinatal mental health in their first trimester using a valid tool Percentage of pregnant patients screened for perinatal mental health in their third trimester using a valid tool.								

- 2. Percentage of pregnant patients screened for perinatal mental health in their third trimester using a valid tool
- 3. Percentage of patients screened for perinatal mental health within 8 weeks postpartum using a valid tool

Performance metrics

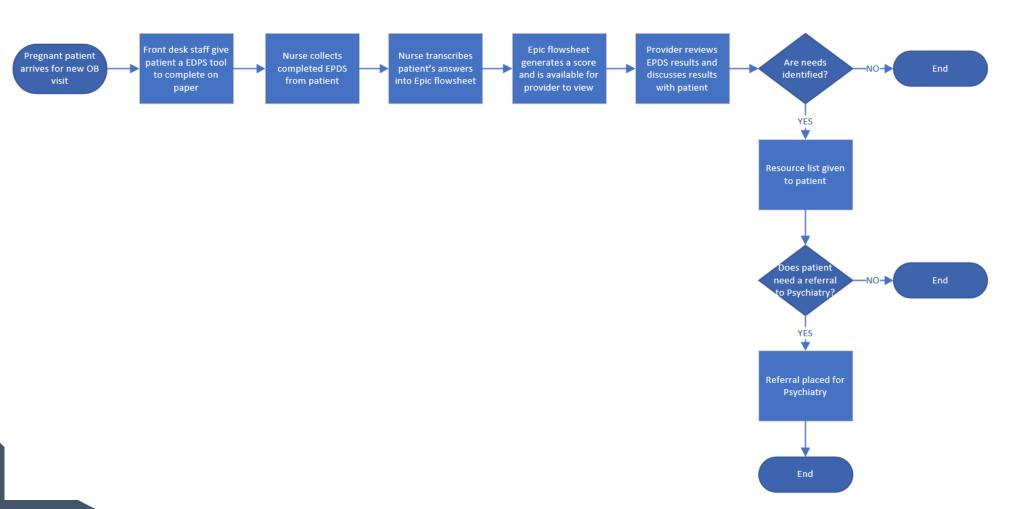
Rate of Edinburgh Screenings for Completed NonGyn Appointments
April 2022 - March 2023, By Trimester
At Rocky Mount Location Only



		Trimester					
Delivery Yr/Month	Num or Den	1st	2nd	3rd	PostPartum		
Tr/Worth							
2022/4	Numerator	6	0	10	13		
2022/ 4	Denominator	16	17	21	16		
	Numerator	6	2	10	10		
2022/5							
	Denominator	12	13	18	14		
	Numerator	10	5	6	15		
2022/6	Denominator	15	16	22	21		
	Numerator	9	8	8			
2022/7							
	Denominator	16	22	29	25		
	Numerator	8	2	2	20		
2022/8							
	Denominator	11	17	20	18		
	Numerator	9	4	4	12		
2022/9							
	Denominator	13	15	16			
2022/45	Numerator	10	3	4	10		
2022/ 10		4.0	20	20			
	Denominator	13	20	20	14		
2022/11	Numerator	7	2	1	9		
2022/ 11	Denominator	8	8	13	10		
	Numerator	11	5	3	18		
2022/ 12	, variici atoi		,		10		
,	Denominator	15	18	22	19		
	Numerator	7	3		16		
2023/1							
	Denominator	10	14	19	18		
	Numerator	2	2	1	4		
2023/2							
	Denominator	5	11	13	5		
	Numerator	7	4	7	0		
2023/3	0		4.0		_		
	Denominator	9	12	17	5		

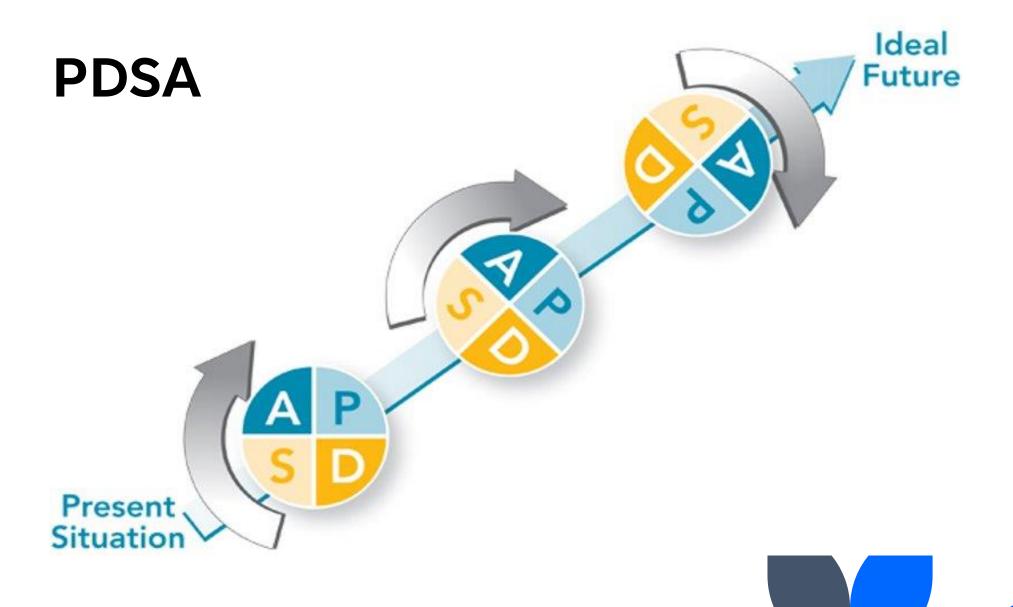


Process Map

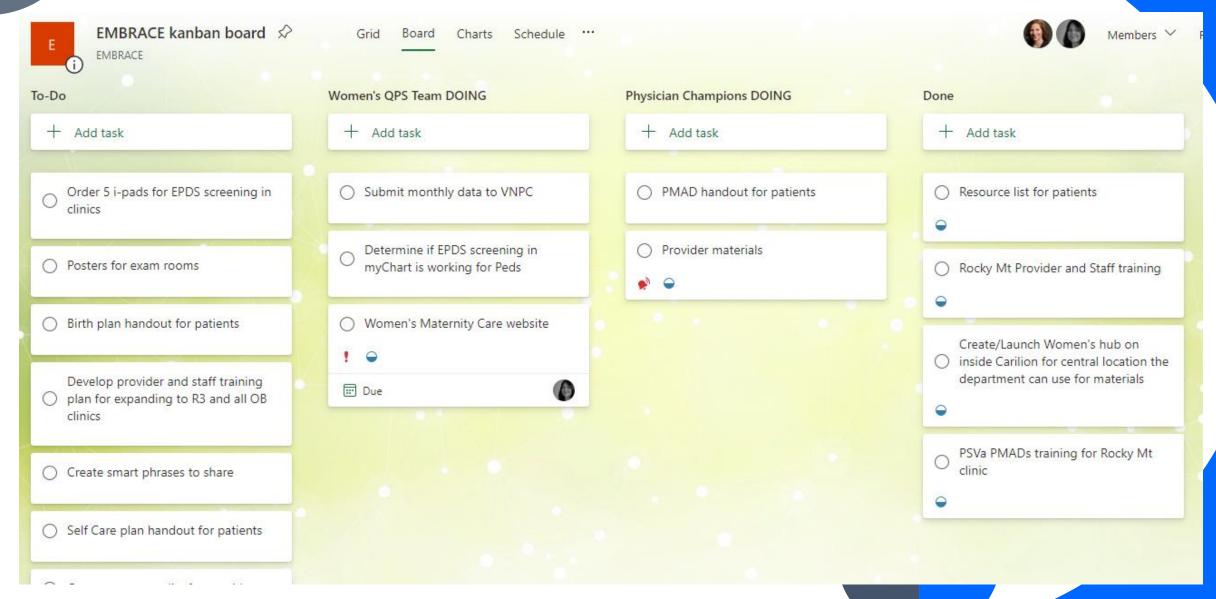


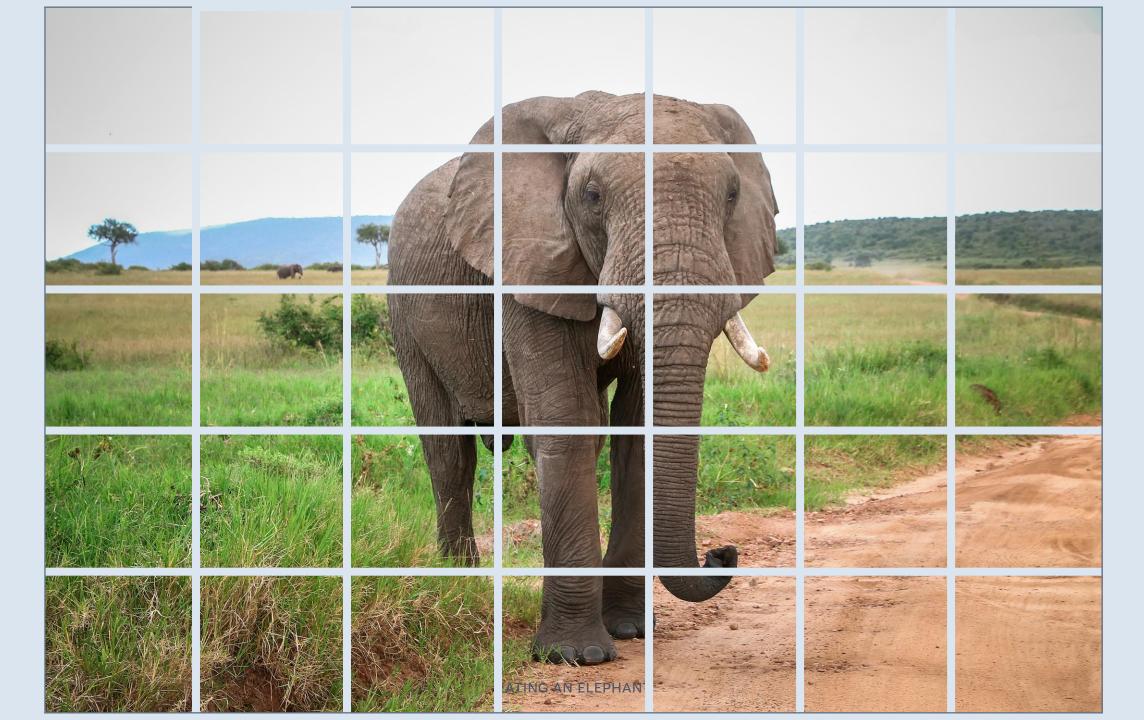
Failure Modes Effects Analysis

	FMEA										
Process Name: OBGYN Ambulatory Edinburgh Depression Screening						Prepared By: Sarah Dooley					
						FMEA	Date: 7/20/2022				
Process Step	Potential Failure Mode	Potential Failure Effects	SEVERITY (1-10)	Potential Causes	OCCURRENCE (1-10)	Current Controls	DETECTION (1-10)	RPN	Action Recommended	Responsible Party	Actions Taken
1	Staff forgets to give pt EPDS	Pt not screened	5	Distraction, competing tasks	5	Morning review of schedule to check for new OB pts	5	125	Include EPDS with OB intake form	Sarah	Develop new OB packets, create ability for pt to complete both in myChart so they are automatically assigned together
1	Pt gets EPDS but does not complete it	Pt not screened	5	Pt doing other paperwork, chooses not to do EPDS	2	Nurse asks pt for completed EPDS	10	100	Patient education to reinforce supportive care for mental health needs	Sarah	PMADS handout added to OB education materials
2	Nurse forgets to collect EPDS from patient	Screening not documented	5	Distractions, competing tasks	5	Provider checks for EPDS results in EMR	7	175	Staff education for PMADS and resource lists to equip staff	Jane	PPSVa training 7/2022



Kanban board





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Questions?

Jane Colwell, MSN, RN
Senior Director, Women's Quality & Patient Safety
Carilion Clinic
jgcolwell@carilionclinic.org