

Introduction

Perinatal women experience poor maternal outcomes during natural disasters.¹⁻³

College of

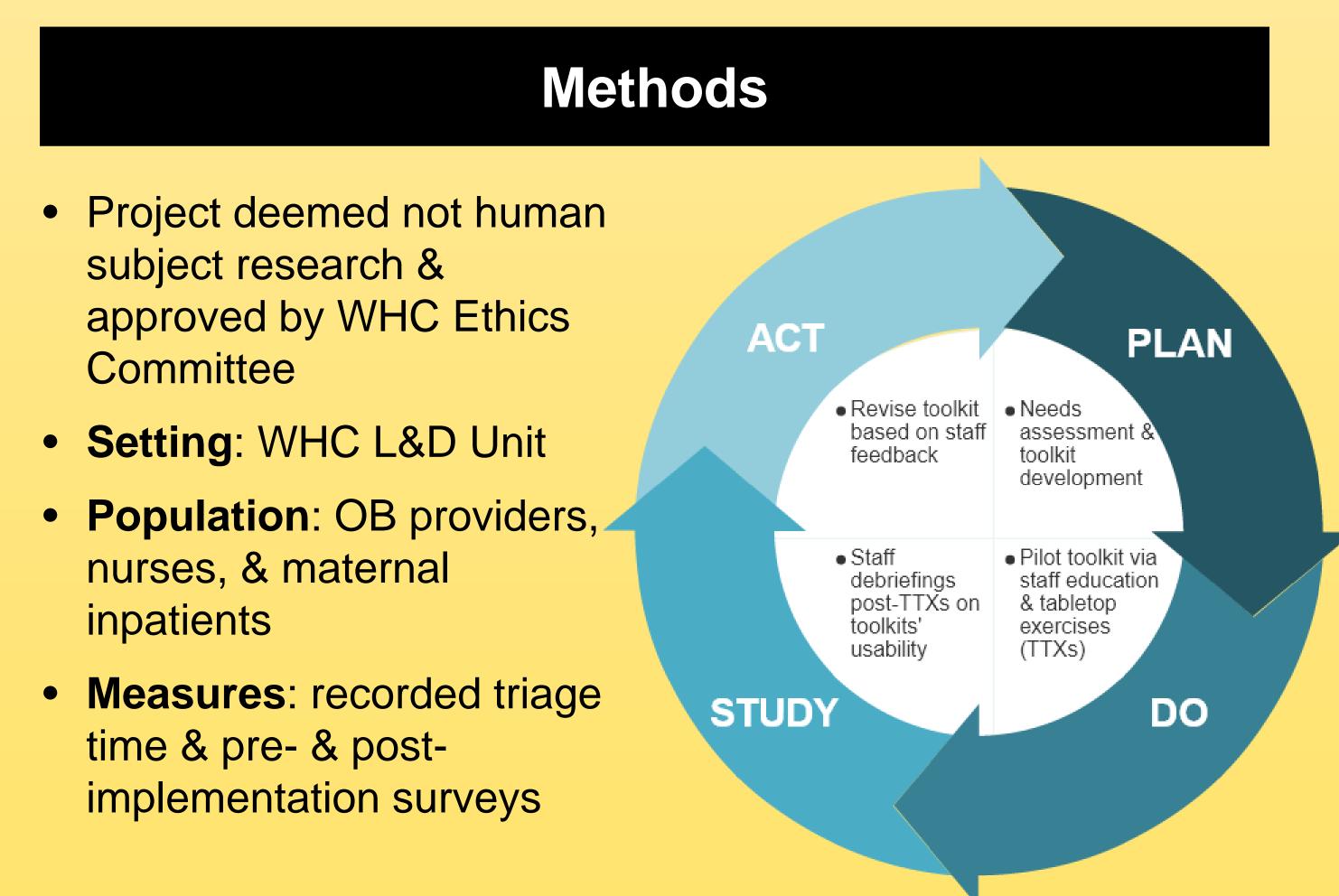
- The majority of available OB-triage tools are utilized in the prehospital setting or at the time of hospital admission.²
- OBTRAIN (Obstetric Triage by Resource Allocation for *Inpatient*) uses rapid assessment and color-coded tagging to determine the most appropriate transport mode for evacuation^{1,3}
- Disaster planning involving an OB-specific triage algorithm, advanced knowledge of the levels of maternity care (LOMC) classifications, and established disaster roles can facilitate a safe and rapid response.¹⁻³

Purpose

Purpose: To improve OB disaster planning at Waverly Health Center (WHC) by implementing an OB-disaster triage toolkit.

Objectives:

- 1. Decrease per patient triage time by 50% by utilizing the OBTRAIN algorithm.
- 2. Increase staff satisfaction of the OB-disaster triage process.
- 3. Increase OB staff members' recognition of roles & responsibilities in managing a disaster event.
- 4. Increase OB staff knowledge of the LOMC classifications for various potential transfer hospitals.



Improving Disaster Triaging for Obstetric Inpatients Rachel Westernik, BSN, RN, SRNA-DNP Student WAVERLY HEALTH Waverly Health Center (WHC) CENTER

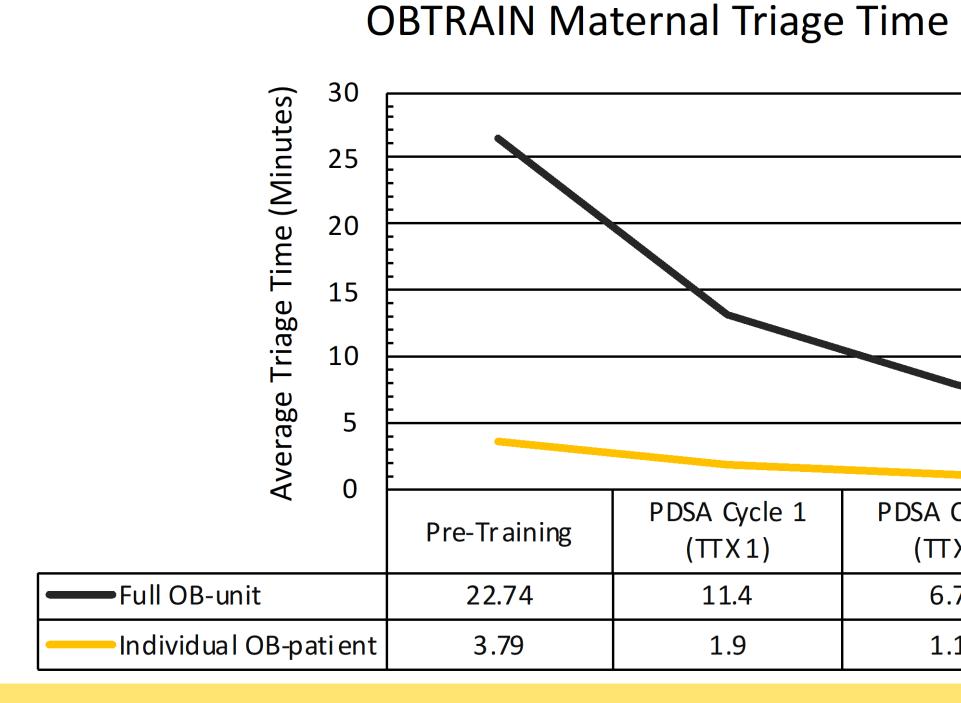
Outcomes

Key Components of an OB-Specific
Disaster Toolkit
OBTRAIN for L&D & Postpartum
Disaster Roles Sheet
Levels of Maternity Care & Distance List
Department Damage & Census
Grab-and-Go Bag for Remote Delivery
Maternal and Well-Baby Transfer & Order Set Forn
Medication Conversion Instructions

OBTRAIN for L&D/AP									
Transport	Car (Discharge)	BLS	ALS	SPC	SHELTER IN PLACE				
Labor Status	None	Early	Cervical dilation ≥4 cm	At risk for en route delivery					
Mobility	Ambulatory*	Ambulatory/non- ambulatory	Non-ambulatory	Non- ambulatory	If delivery is				
Epidural Status	None	Placement ≥1 hr**	Placement <1 hr**	N/A	imminent or patient is				
Maternal Risk	Low	Low/Moderate	Moderate/High	High	unsafe for				
Fetal monitoring in transit	No	No	Yes	Yes	transport				
*Able to rise from a standing squat									

ible to rise from a standing squat **Epidural catheter capped off

OBTRAIN for Postpartum						
Delivery	VD > 6 hrs or CD > 48 hrs	VD < 6 hrs or CD < 48 hrs	Complicated VD or CD	Medically complicated		
Mobility	Ambulatory*	Ambulatory or Non-ambulatory	Ambulatory or Non-ambulatory	Non- ambulatory		
Post Op	> 2 hrs from non-CD surgery**	> 2 hrs from CD, < 2 hrs from non- CD surgery	< 2 hrs from CD	Medically complicated		
Maternal Risk	Low	Low/Moderate	Moderate/High	High		
Modified Bromage S *If adult supervisior			rtial knee bend from s	tanding		



- ns

PDSA Cycle 2 (TTX2)	PDSA Cycle 3 (TXX 3)
6.72	3.36
1.12	0.56
	(TTX2)

- and 64%, respectively.

- & mortality.

- https://doi-

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Evaluation

Triage time per maternal patient decreased 88%.

Staff satisfaction of the OB-triage process tripled.

Disaster role recognition and ability to classify nearby transfer hospitals LOMC significantly increased by 76%

Challenges: COVID19 restrictions hindered in-person gatherings and travel to project site. Virtual education & training provided for safe, cost-effective, & a convenient alternative during a global pandemic.

Conclusions

• Obstetric patients are a uniquely vulnerable demographic that may benefit from a disaster response plan that specifically addresses their needs to provide optimal care.

• This project has the potential to safeguard the OB population, serve as a model for future quality initiatives, & advance the role of nurses as leaders in disaster response.

• Future efforts will aim to implement the toolkit across other rural maternity hospitals & assess the effectiveness of these mitigation strategies to minimize OB-patient morbidly

• This project will be presented virtually at the lowa Association of Nurse Anesthetists Spring 2021 Conference.

References

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