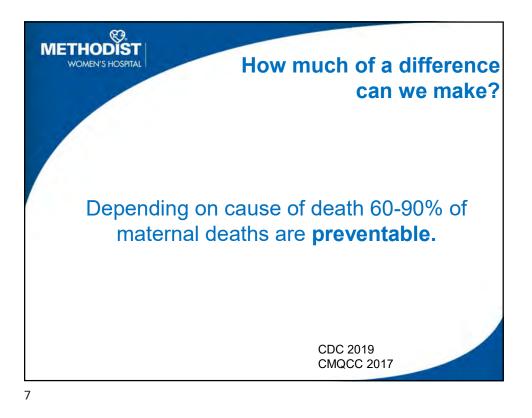
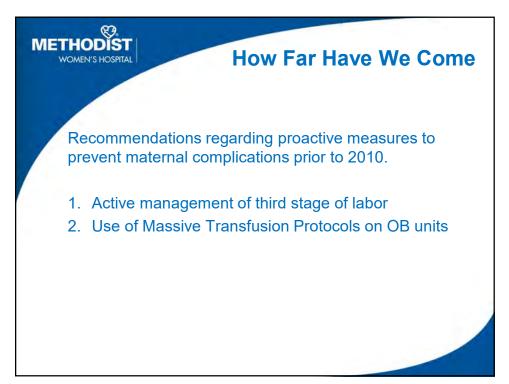
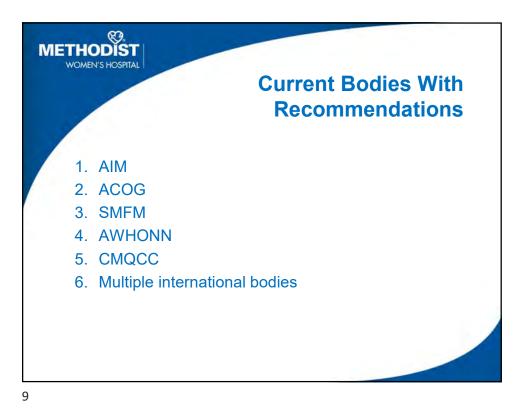
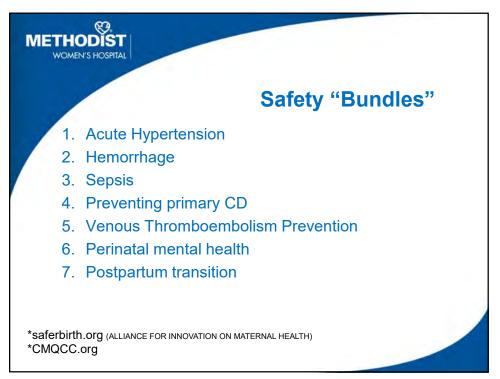


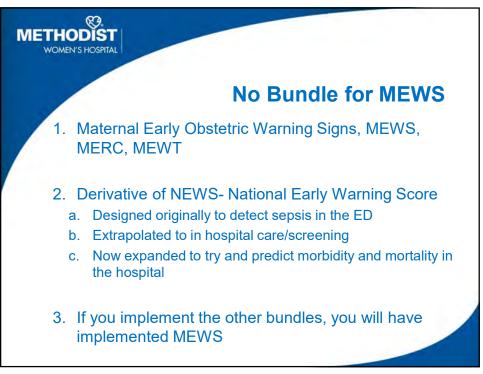
Breakdown of Maternal **Mortality** Causes of pregnancy-related death in the United States: 2011-2014 Percentage of all pregnancy-related deaths 15.2 16.0 14.7 14.0 12.8 11.5 12.0 10.3 9.1 10.0 8.0 6.0 4.0 2.0 0.3 0.0 05 Note: The cause of death is unknown for 6.5% of all pregnancy-related deaths.



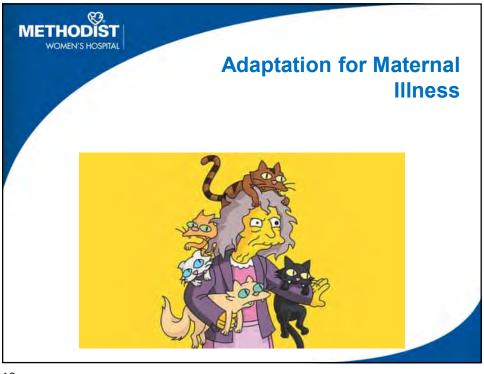


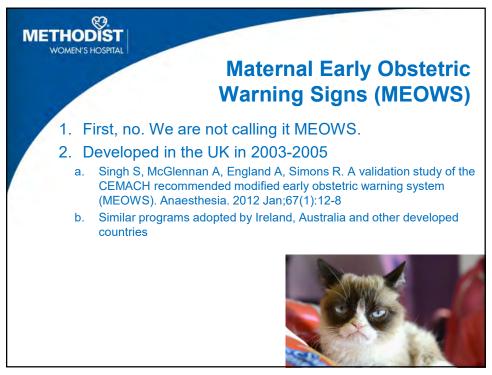


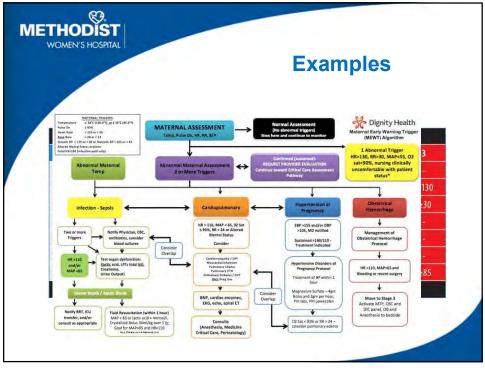




Physiological parameter	3	2	1 1	Score 0		2	3
Respiration rate (per minute)	≤8		9–11	12–20		21-24	≥25
SpO <sub>2</sub> Scale 1 (%)	≤91	92-93	94-95	≥96			
SpO <sub>2</sub> Scale 2 (%)	\$83	8485	86-87	88-92 ≥93 on air	93–94 on oxygen	95–96 on oxygen	≥97 on oxyger
Air or oxygen?		Oxygen		Air			
Systolic blood pressure (mmHg)	≤90	91-100	101-110	111-219			≥220
Pulse (per minute)	≤40		41-50	51-90	91-110	111-130	≥131
Consciousness				Alert			CVPU
Temperature (*C)	s35.0		35.1-36.0	36.1-38.0	38.1-39.0	≥39.1	









## Maternal Early Obstetric Warning Signs (MEWS) The maternal early warning criteria: a proposal from the national partnership for maternal safety

Jill M Mhyre<sup>1</sup>, Robyn D'Oria, Afshan B Hameed, Justin R Lappen, Sharon L Holley, Stephen K Hunter, Robin L Jones, Jeffrey C King, Mary E D'Alton

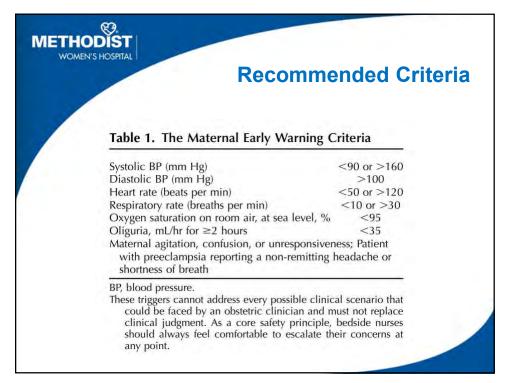
Affiliations + expand PMID: 25198266 DOI: 10.1097/AOG.00000000000480

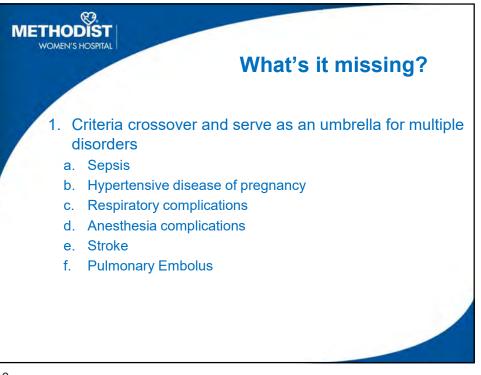
## Abstract

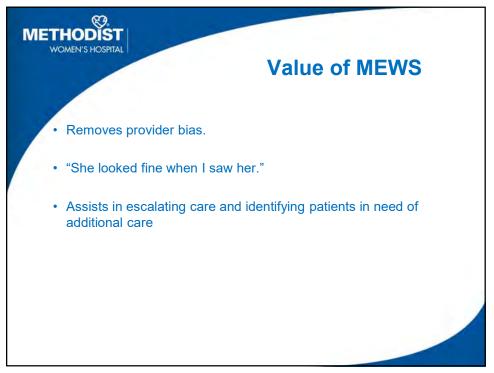
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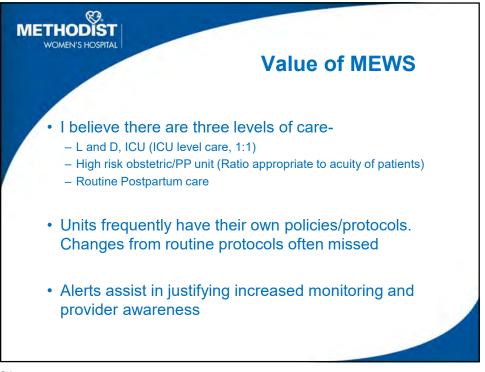
WOMEN'S HOSPITAL

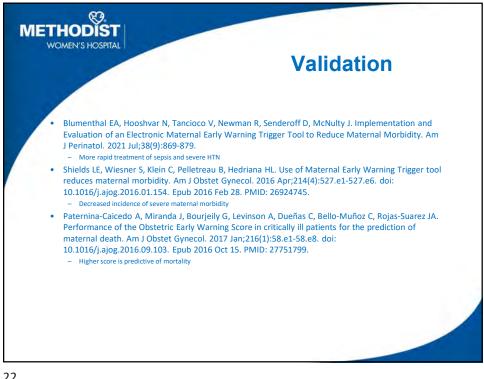
Case reviews of maternal death have revealed a concerning pattern of delay in recognition of hemorrhage, hypertensive crisis, sepsis, venous thromboembolism, and heart failure. Early-warning systems have been proposed to facilitate timely recognition, diagnosis, and treatment for women developing critical illness. A multidisciplinary working group convened by the National Partnership for Maternal Safety used a consensus-based approach to define The Maternal Early Warning Criteria, a list of abnormal parameters that indicate the need for urgent bedside evaluation by a clinician with the capacity to escalate care as necessary in order to pursue diagnostic and therapeutic interventions. This commentary reviews the evidence supporting the use of early-warning systems and describes The Maternal Early Warning Criteria, along with considerations for local implementation.

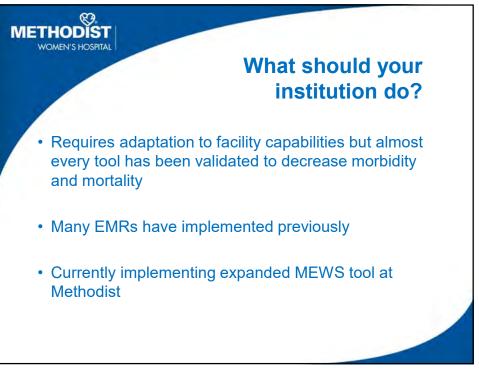


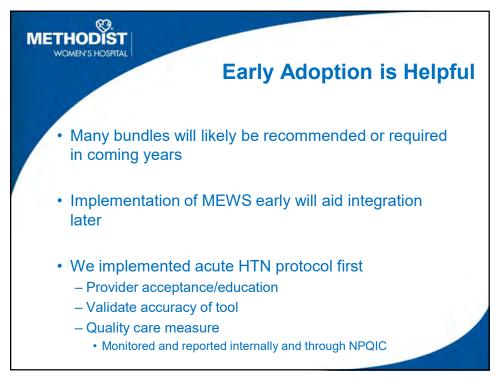


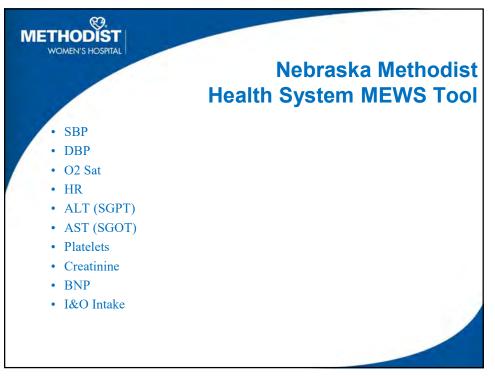


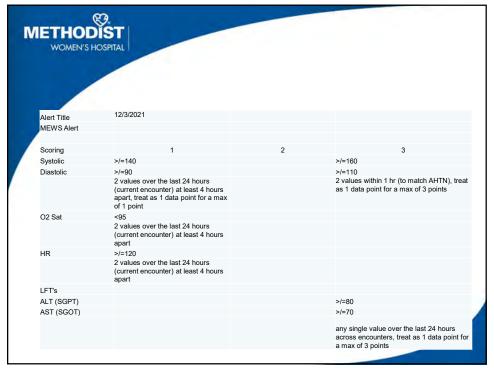




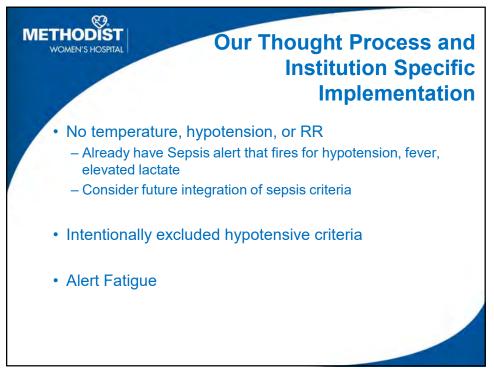


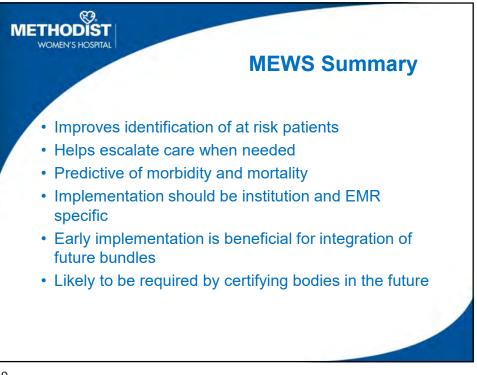




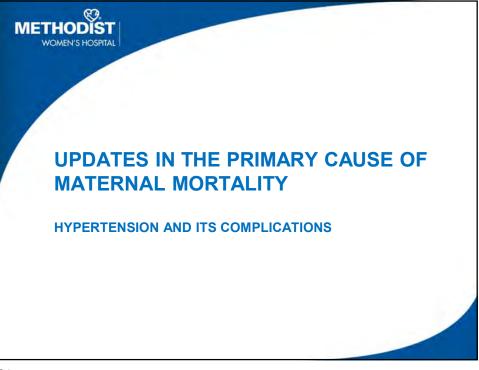


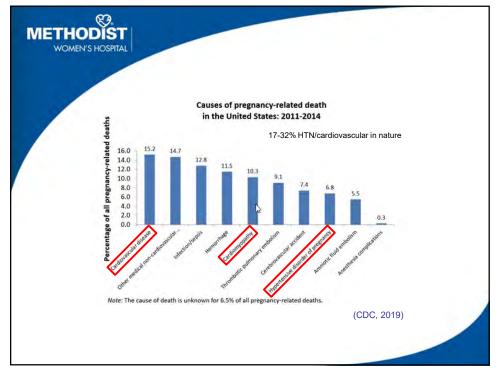
MI	ETHODIS WOMEN'S HOSPIT	AL		
/	Platelets		<100	<50
			any single value over the last 24 hours across encounters	any single value over the last 24 hours across encounters
	BNP			>/=500
				any single value over the last 24 hours across encounters
	I&O		>4000 ml difference between intake and output on the intake side	
			calculate over the last 96 hours with the lookback starting at time of score creation	With the 96 hour lookback the I&O will start to contribute to the total score 96 hours after admission
	Creatinine			>/= 1.2
	Total Score to alert	2 points or greater		
	Suppression criteria	Suppress for 24 hours after alert fires		











ublicHealth			California Maternal Quality Care Co <b>ll</b> aborat
	CA-PAMR Top 5 Ca 2002-2006 (N		
	Grouped Cause of Death, per CA-PAMR Committee	Pregnancy-Related Deaths	
	Cardiovascular disease	N (%)	
	Cardiowascular disease	<u>64 (25)</u> 42 (16)	_
	Other cardiovascular	22 (9)	
	Preeclampsia/eclampsia	45 (18)	
	Obstetric hemorrhage	25 (10)	7
	Sepsis	23 (9)	7
	Venous thromboembolism	22 (9)	
	TOTAL	257	1
	43% of deaths were CVD related		



