Speeding the Translation of Research into Real World Healthcare Settings to Enhance Best Practices: The "So What" Outcome Factors		
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Too many medical errors and unintended patient deaths Patients only receive about 55% of the care that they should when entering the healthcare system Poor quality healthcare costs over 700 billion dollars annually Wasteful healthcare spending costs 1.2 trillion dollars every year Healthcare systems could reduce spending by 30% if patients receive evidence-based healthcare



The IOM Roundtable on EBM	
 Formed in response to the 2003 IOM's Committee on the Health Professions Education Summit recommendation that 	
All healthcare professionals will be educated to deliver patient-centric care as members of an interdisciplinary team , <i>emphasizing EBP</i> , quality improvement approaches and informatics	
 Ninety percent of healthcare decisions will be evidence-based by 2020 	
- The IOM Roundtable on EBP Transforming health, NURSING Transforming lives	





















 Lack of knowledge 	and skills
 Low comfort level v 	vith search techniques
 Perceived lack of tir 	ne
 Challenges with crit 	ically appraising research
 Lack of organization 	nal/administrative support
 Educational programs that continue to teach research the "traditional way" with a focus on producing instead of using evidence 	
 Negative attitudes t 	oward research
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Findings from our Recent EBP Survey with U.S. Nurses	
Other Fir	ndings ^{et al., JONA, 2012)}
More highly educated nurs	ses reported being more
clear about the steps in Eff	3P and having more
confidence implementing of	evidence-based care
 The more years in practice	e, the less nurses were
interested in and felt it wa	s important to gain more
knowledge and skills in EB	P
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or Strongly Agreed with the Following Statements	
	%
EBP is consistently implemented in my healthcare system	53.6
My colleagues consistently implement EBP with their patients	34.5
Findings from research studies are consistently implemented in my institution to improve patient outcomes	46.4
EBP mentors are available in my healthcare system to help me with EBP	32.5
It is important for me to receive more education and skills building in EBP	76.2

The One Thing That Prevents You From Implementing EBP		
	Total Responses	
1. Time	151	
 Organizational culture, including policies and procedures, politics, and a philosophy of "that is the way we have always done it here." 	123	
3. Lack of EBP knowledge/education	61	
4. Lack of access to evidence/information	55	
5. Manager/leader resistance	51	
6. Workload/staffing, including patient ratios	48	
7. Nursing (staff) resistance	46	
8. Physician resistance	34	
9. Budget/payors	24	
10. Lack of resources	20	









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Cost An	alysis
 The net direct health can child through NICU dis the cost of the COPE \$4,864 	are cost savings per charge after deducting intervention was
 Further subgroup analy birthweight revealed th <1500 grams had an e length of stay (n = 90, resulted in even greated) 	yses for LOS based on at COPE infants ven shorter NICU 8.3 days), which er savings
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Cost Benefit for the U.S. Healthcare	System
 Routine administration of COPE in NIC across the United States could not only improve infant and parent outcomes, bi to substantial cost savings 	Us ′ ut lead
 A decreased hospital cost of \$5,000 for	r
500,000 premature infants born every y	/ear in
the U.S. would result in a 2.5 billion dol	lar cost-
savings for the U.S. Healthcare System	า
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Translating COPE into Clinical Practice: Lessons Learned	
Funded by Phoenix Children's Hospital Competitive Grant Program O The purposes of this dissemination-	С
- the impact of translating the evidence-based COPE program into clinical practice on	С
 the best strategy for disseminating COPE in the NICU so that all parents of preterm babies receive COPE 	С
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Findings		Ba
 Very few parents received all phases of the COPE program in the first 12 weeks of the study 		o Comp the in
 A COPE Mentor was introduced after 12 weeks to assist the nurses with the implementation of COPE 		o Time,
 Nurses in the COPE pods had stronger beliefs about EBP and greater implementation of EBP than nurses in the non-COPE pods 		o Trans remoc
 After the COPE Mentor was introduced, nearly all parents of preterm infants received all phases of the program 		 The n decrease mento
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Evidence to Support ARCC		
 Study #1: Descriptive correlational study with 160 nurses 		
 Study #2: A psychometric study of the EBP beliefs and EBP implementation scales with 360 nurses 		
 Study #3: A randomized controlled pilot study with 47 nurses in the VNS 		
 Study #4: A quasi-experimental study with 159 nurses in a clinical research medical center environment 		
 Study #5: A pre-experimental study with 52 clinicians at WHHS 		
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Outcomes of Implementing the ARCC Model at Washington Hospital Healthcare System

- Early ambulation in the ICU resulted in a reduction in ventilator days from 11.6 to 8.9 days and no VAP
- Pressure ulcer rates were reduced from 6.07% to .62% on a medical-surgical unit
- Education of CHF patients led to a 14.7% reduction in hospital readmissions
- 75% of parents perceived the overall quality of care as excellent after implementation of family centered care compared to 22.2% pre-implementation

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The Evidence from Implementation Science: Major Factors Influencing Adoption of EBPs

- Characteristics of the EBP (e.g., strength of the evidence, ease of administration, cost)
- Characteristics of the clinician (e.g., understanding, cognitive beliefs/confidence to implement)
- o The environment and culture of the organization
- The process through which the change is implemented (e.g., building consensus, use of opinion leaders and EBP mentors)

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The Evidence from Implementation Science: Major Factors Influencing Adoption of EBPs • Incentives • Performance improvement • Behavioral skills training • Organizational culture and ecosystem or environment that supports EBP Image: Collect of NURSING







A key ingredient for success is persistence as there will be many "character-building"	
experiences along the way!!	
	<i>"At least I have found 9000 ways that it won't work." Thomas Edison</i>
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