

Challenges to Implementing Evidence-Based Public Health Practices

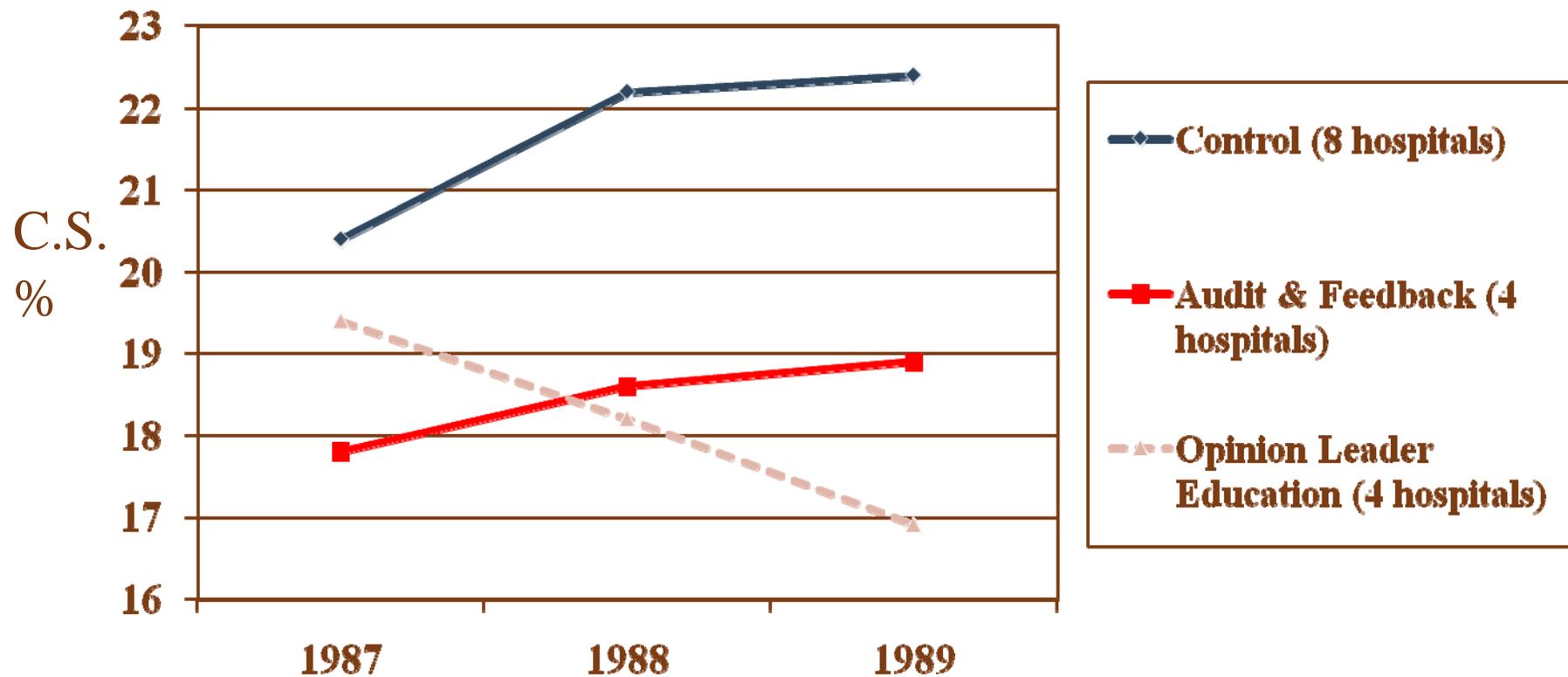
P. Buekens, MD, MPH, PhD
Tulane University

Challenges

- Delivery of innovation
- Innovation of delivery



Lomas et al., 1991



JAMA, 1991;265:2202



A Behavioral Intervention to Improve Obstetrical Care

Fernando Althabe, M.D., Pierre Buekens, M.D., Eduardo Bergel, Ph.D.,
José M. Belizán, M.D., Marci K. Campbell, Ph.D., Nancy Moss, Ph.D.,
Tyler Hartwell, Ph.D., and Linda L. Wright, M.D., for the Guidelines Trial Group*

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a global commitment to public health

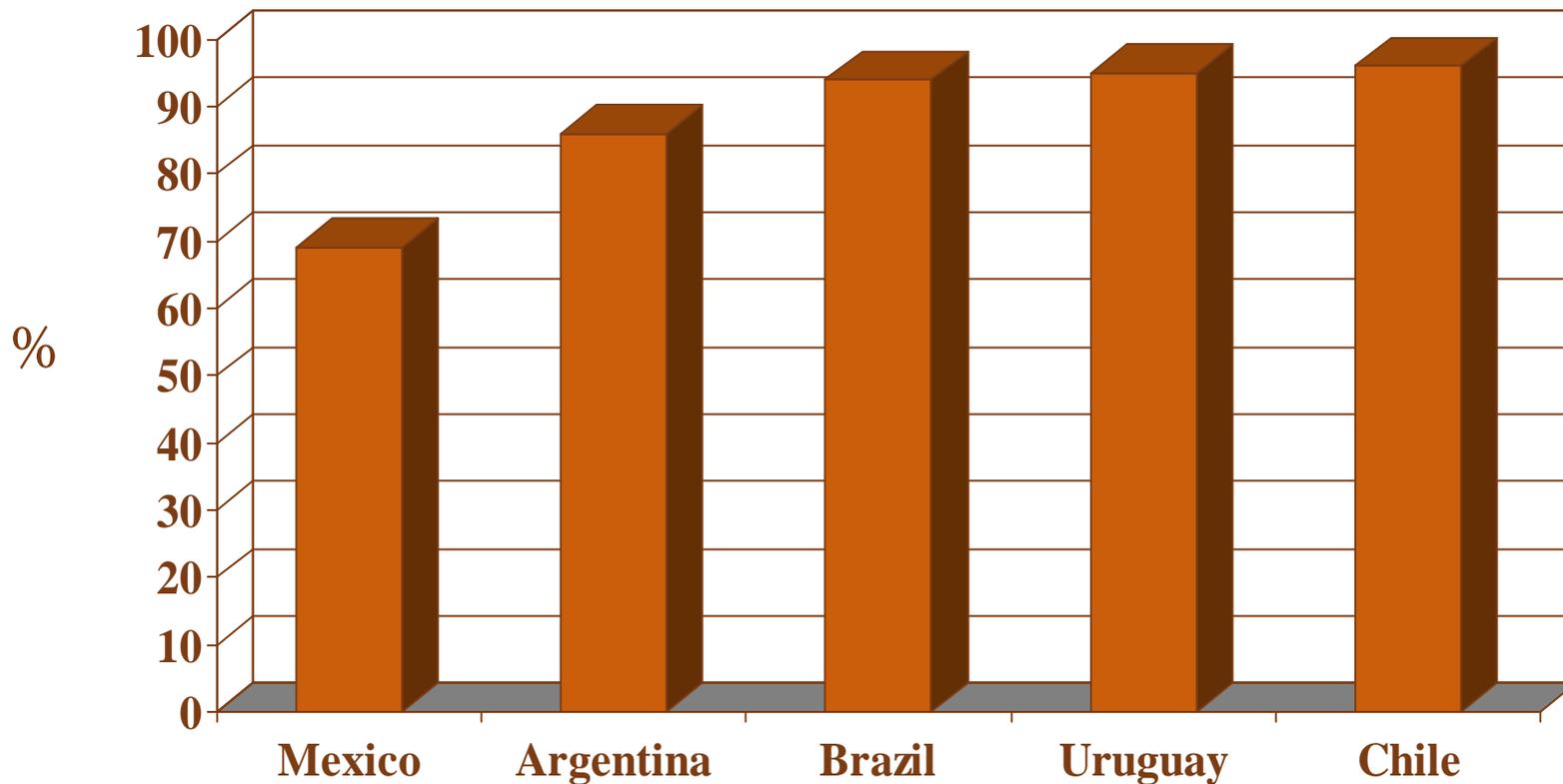


Background

Many obstetrical practices used in Latin America, as in other parts of the world, have been shown to be ineffective or harmful, while effective practices remain underutilized.

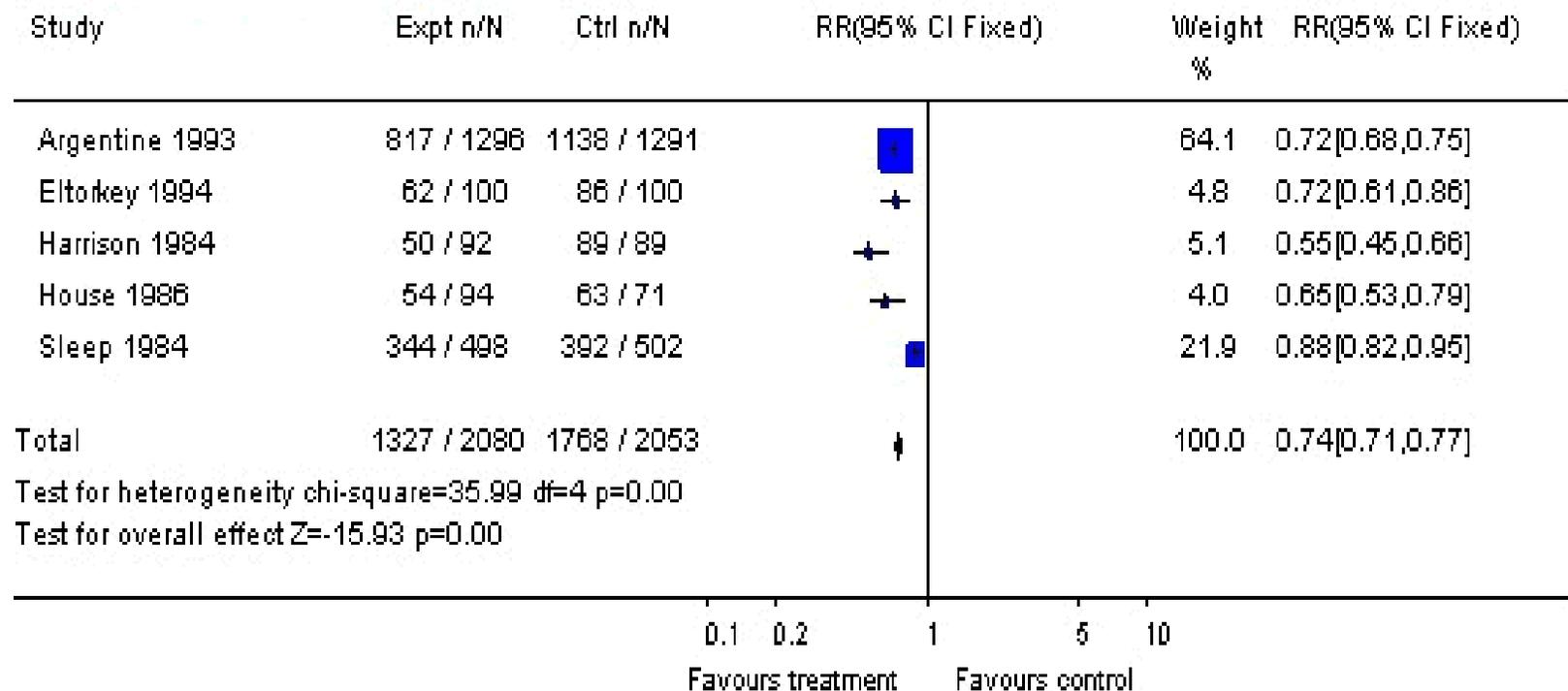


Episiotomies, Primiparae, CLP-PAHO Hospital Data

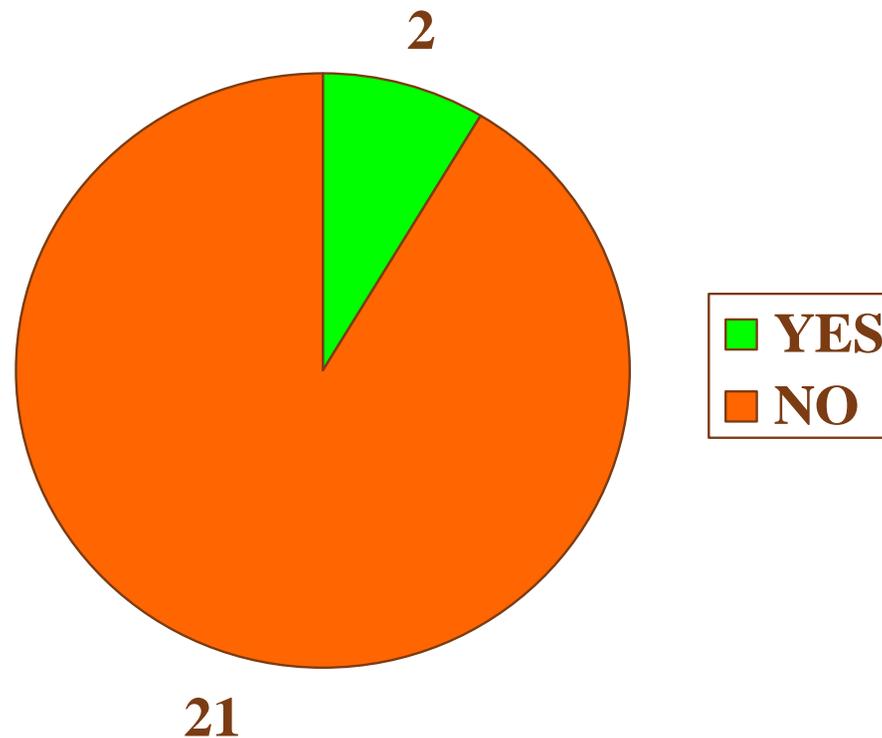


Episiotomy: Cochrane Review

Review: Episiotomy for vaginal birth
 Comparison: RESTRICTIVE vs ROUTINE EPISIOTOMY (all)
 Outcome: Need for suturing perineal trauma



Active Management of 3rd Stage Argentina and Uruguay (n=23 hospitals)

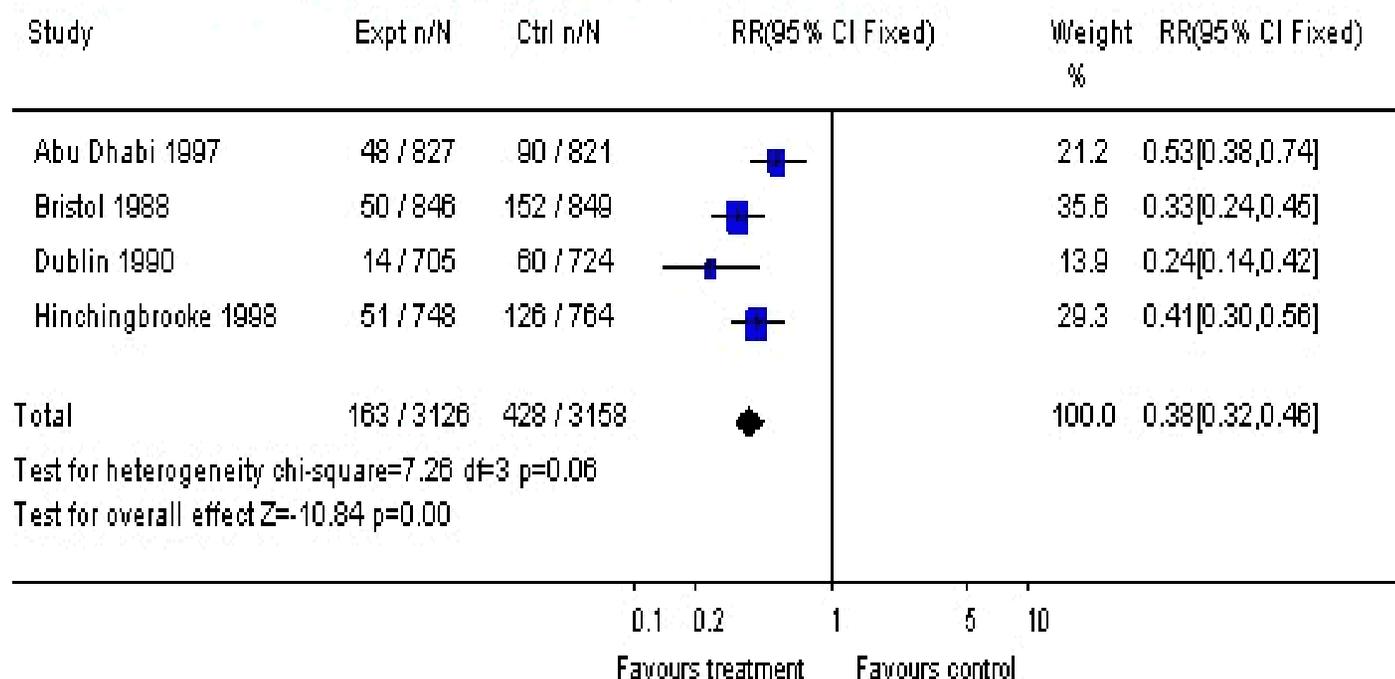


Active Management of 3rd Stage: Cochrane Review

Review: Active versus expectant management in the third stage of labour

Comparison: Active vs expectant management (all women)

Outcome: PPH clinically estimated blood loss greater than or equal to 500mls



Main Specific Aim

- To perform a randomized controlled trial of a behavioral intervention intended to increase the use of two evidence-based birth practices:
 - the selective use of episiotomies
 - active management of the third stage of labor (10 I.U. of oxytocin).

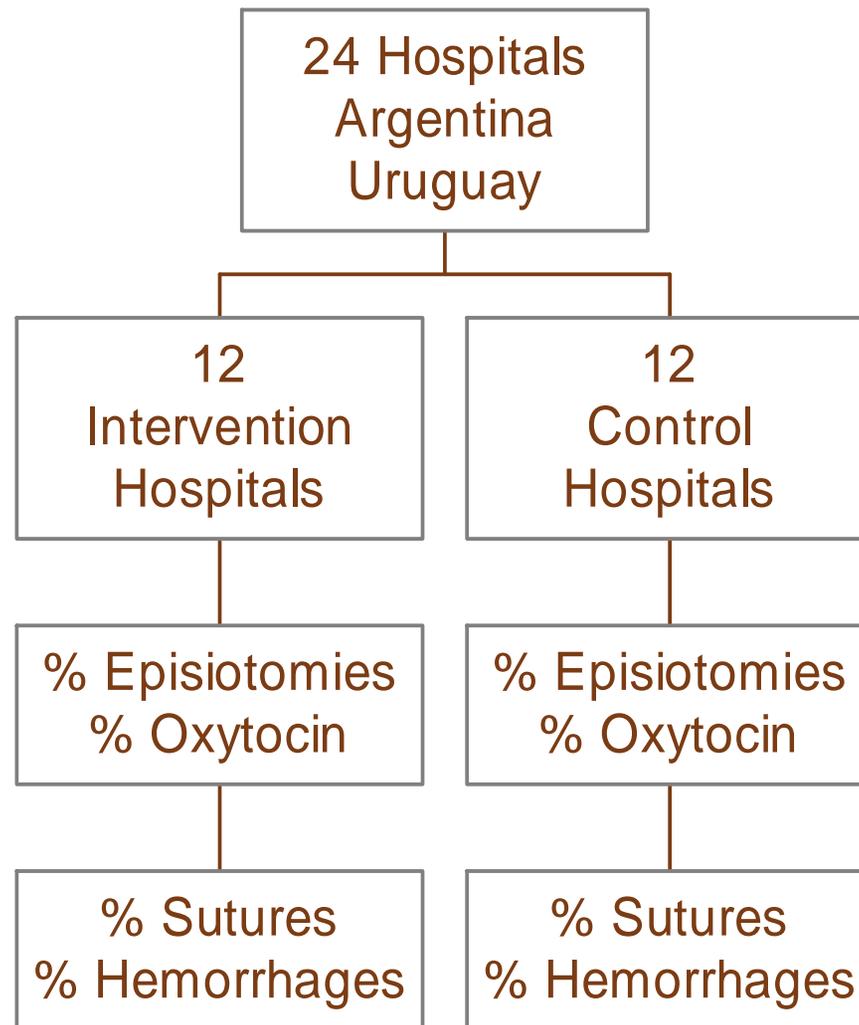


Behavioral Intervention

- Identification and training of opinion leaders who will develop evidence-based guidelines.
- Multifaceted approach to disseminate, implement, and maintain the guidelines:
 - seminars, www portal, academic detailing
 - active involvement of early adopters
 - reminders
 - feedback on utilization rates.



Randomized Controlled Trial



Selected Hospitals



Argentina

16 hospitals in Buenos Aires Province

4 hospitals in Rosario

Uruguay

2 Hospitals in Montevideo

1 hospital in Paysandú

1 hospital in Salto

Baseline Characteristics

2003

	Intervention Hospitals (n=10, 3690 births)	Control Hospitals (n=9, 3406 births)
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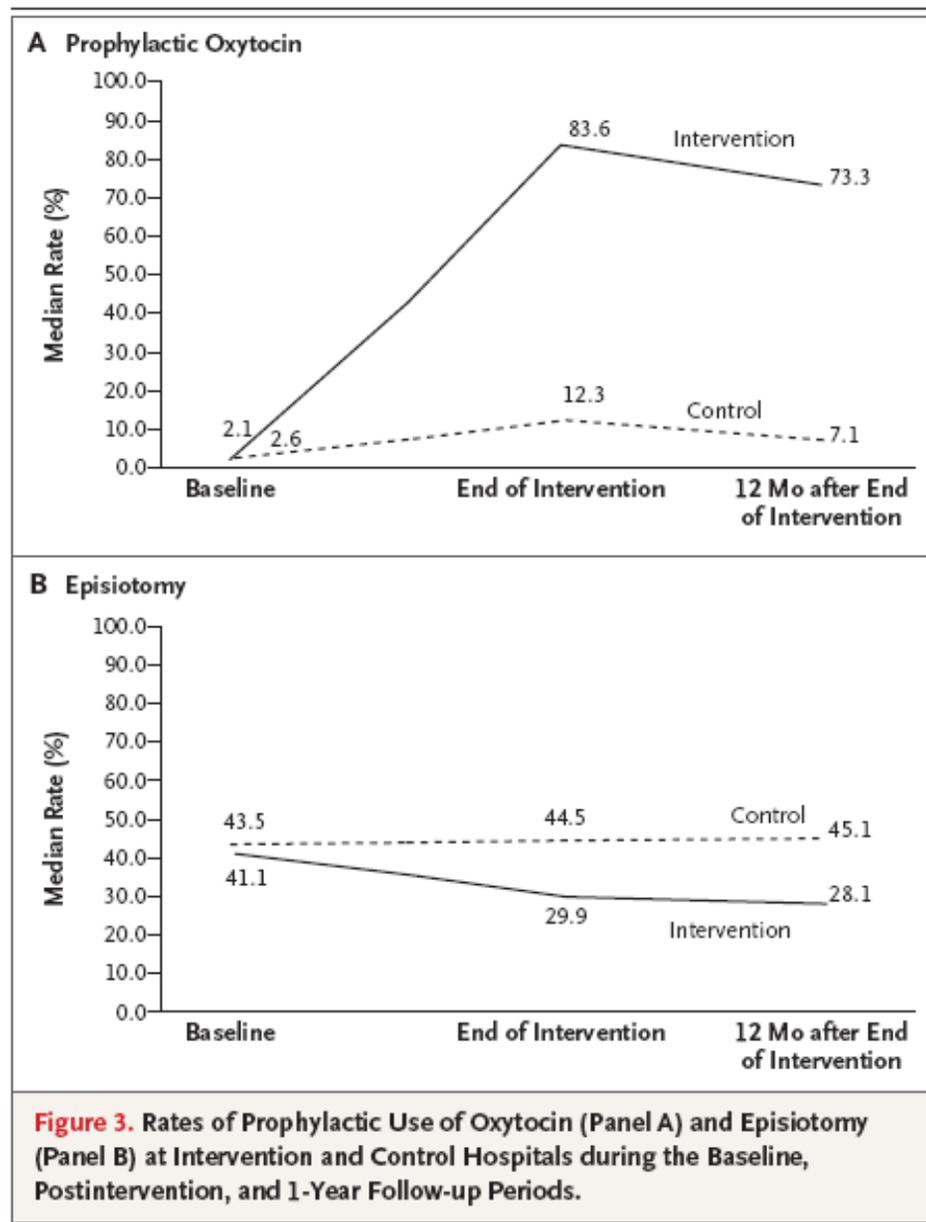
Hospital characteristics

<i>Residency programs (n)</i>	8	8
<i>≥ 2000 births per year (n)</i>	4	4

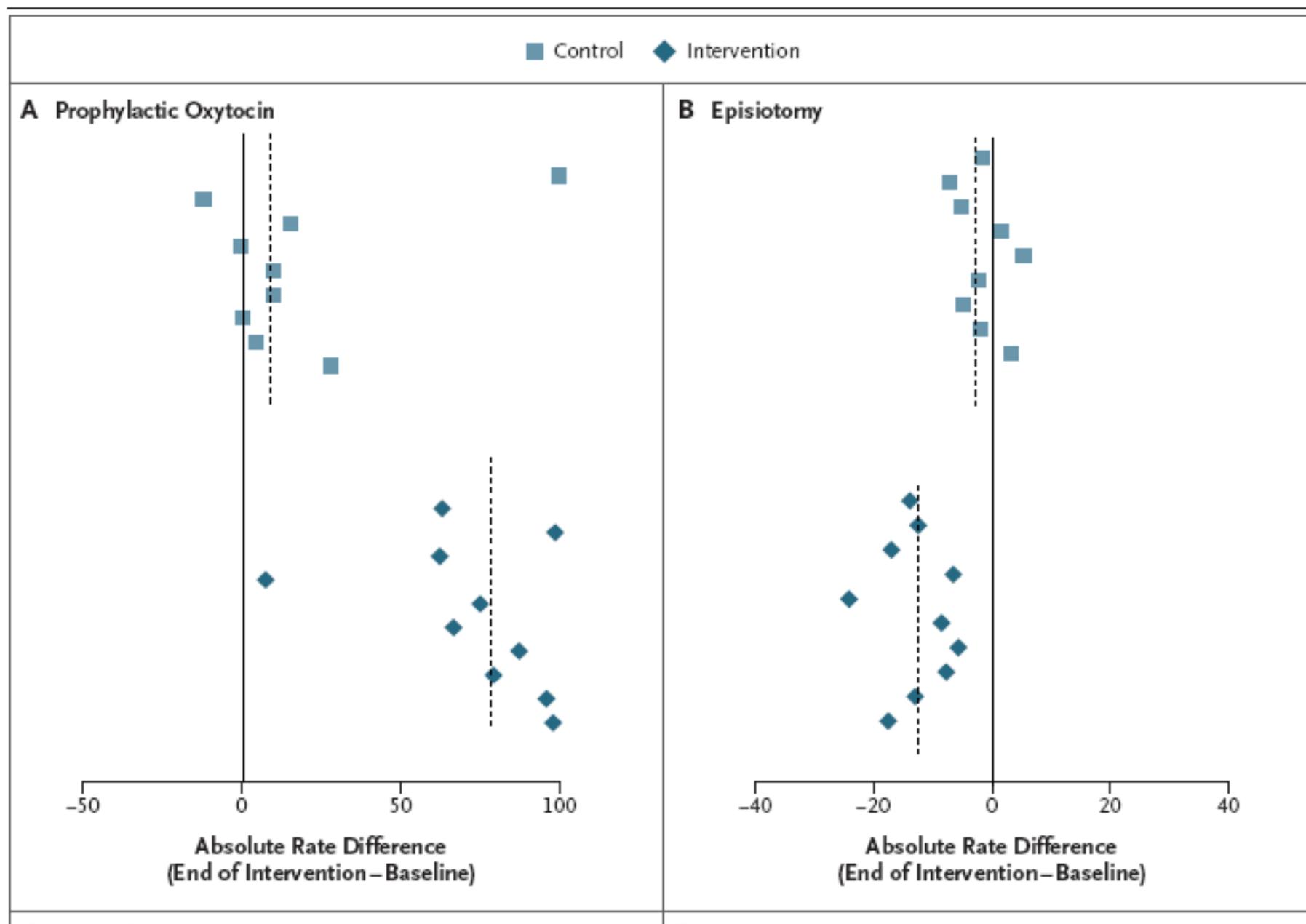
Maternal characteristics

<i>Active management rate (%)</i>	4.6	4.1
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A BEHAVIORAL INTERVENTION TO IMPROVE OBSTETRICAL CARE



Evidence-based public health should be evidence-based

- Interventions to diffuse and implement evidence-based practices should be based on evidence from randomized controlled trials

