# Increasing the use of quality ratings among pregnant women: Results from a randomized controlled study

### Kirsten Firminger

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#### **AIR Team Members:**

Maureen Maurer Shoshanna Sofaer Manshu Yang Kourtney Ikeler Denise Mitchell

#### **Members:**

Kristin L. Carman Lise Rybowski Judy Hibbard Elizabeth Howell Pam Dardess Melinda Karp

#### **External Team**

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# Key takeaways

- 1. Able to drive women to comparative maternity quality information by:
  - Using best practices in presenting quality ratings
  - Developing engaging videos and materials that link quality ratings to issues that are important to women
  - Providing tools to support discussions with providers
  - Distributing of timely information via email and text
- Used quality reporting site to prompt conversations with providers about care preferences and evidence-based
  Detailer and the presented in:

Maurer, M., et al. (2016). Understanding consumer perceptions and awareness of hospital-based maternity care quality measures. *Health Services Research*, 51(S2), 1188-211.

Maurer, M., et al (2017). Increasing the use of comparative quality information in maternity care: Results from a randomized controlled trial. *Medical Care Research and Review*, 1-21.

## **Formative research**

### Understanding audience's awareness and motivation

#### Role in care

- Be informed, ask questions, and voice preferences
- Providers ultimately decide if medical interventions are needed

#### Hospital quality measures of most interest

- Linked to babies' and women's health
- Clearly the hospital's responsibility

#### Use of quality information

- Select provider, if information received early enough
- Talk to doctor about quality of hospital care

#### Tone of communication materials

- Collaborative, reflect partnership
- Appears unbiased about medical intervention

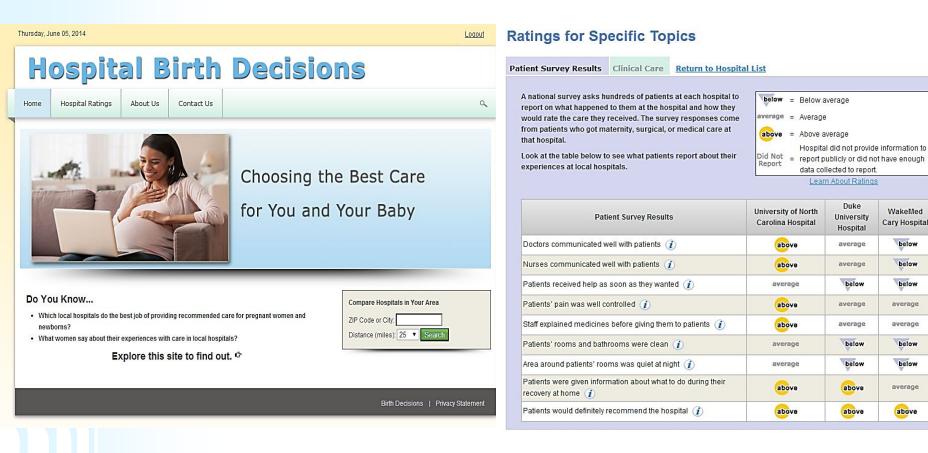
### **Developing the intervention** website

Text Message Today 2:00 PM



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### **Developing the control** website



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# Evaluating via a randomized controlled trial

- Recruited 245 pregnant women in NC
  - Average age: 30.3
  - 71% White, 24% African-American, 6% Latina
  - 50.2% Some college or less, 49.8% college grad or higher
- Online survey at enrollment and 4-6 weeks after due date
- Assessing whether intervention:
  - Improves awareness of quality measures
  - Improves self-efficacy and confidence
  - Increases adoption of new behaviors
  - Increases patient activation
  - Improves self-reported outcomes and experience

# **Findings**

#### Viewing the website:

 Participants in the intervention were more likely to view the website and visit more frequently (p<.001)</li>

# Awareness, importance, and comparison of quality ratings:

- No significant differences between groups in their awareness or perceived importance of quality ratings
  - Awareness of quality ratings increased in both groups
- Participants in the intervention were more likely compare maternity
  care quality across hospitals (p<.05)</li>

# Findings

#### **Confidence in using quality information:**

- Participants in the intervention had improved confidence in finding and using information to help choose the best hospital (p<.05)</li>
- Participants in the intervention had improved confidence in explaining their preferences in labor and delivery to providers (p<.05)</li>
- No significant differences between groups in their confidence in making decision about maternity care

### **Findings**

### Using quality information to inform care:

Participants in the intervention were more likely to create a birth plan (p<.05)</li>

Participants in the intervention were more likely to report that the website:

- Helped them **think about medical treatments** preferences (*p*<.001)
- Helped them to prepare for prenatal visits with their provider (p<.001)</li>
- Motivated them to seek out more information about maternity care (p<.05)</li>
- Motivated them to talk with their provider about the information on the website (p<.001)</li>
- Motivated them to **talk with their family or friends** about the 9 **AMERICAN INFORMATION FOR THE WEBSI** (p < 05)

# Implications and next steps

- 1. Increase the use of comparative quality information by:
  - Linking quality ratings to issues that are important to audience
  - Providing additional content to support use of quality ratings
  - Disseminating information when people need it
- 2. Using quality reports to not only to choose a hospital, but also to prompt conversations about care preferences and evidence-based practices.
- 3. Testing new approach on a larger scale and with other conditions; adding cost information

# **Contact Information**

Kirsten Firminger <u>kfirminger@air.org</u> Twitter: kfirminger

AIR's Center for Patient & Consumer Engagement

http://aircpce.org

**Twitter: AIRCPCE**