

Nurses' Perceptions of Smoking Cessation Interventions in Prenatal Clinics



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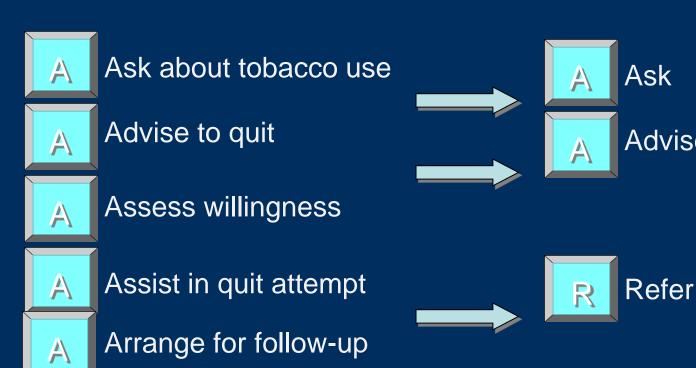
Smoking during pregnancy:

- Single greatest modifiable factor that negatively affects the mother and fetus.
- Maternal smoking is clearly linked to perinatal morbidity and mortality.

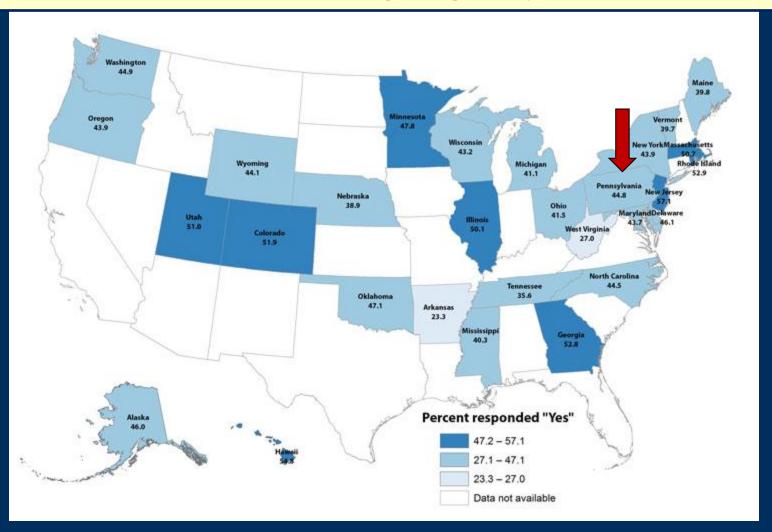
Initial Interventions Assessment and Counseling

5 A's (3-5 min.)

2 A's + R (1-3 min.)



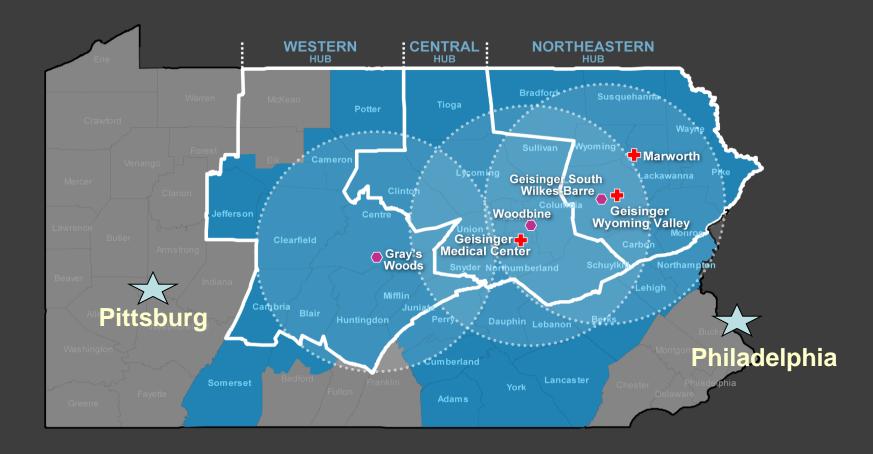
Mothers Who Smoked <u>before</u> Pregnancy then Quit <u>during</u> Pregnancy, 2008



http://www.cdc.gov/prams/TobaccoandPrams.htm

PA = 45%

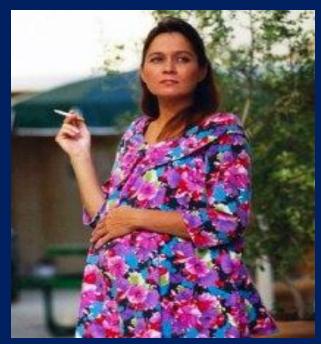
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- 20% of women reported smoking in the final 3 months of pregnancy
- Cessation interventions, routinely initiated yet rarely fully implemented.





Few studies have examined

the quality or success
of cessation interventions
provided by nurses in
prenatal clinics.

Preliminary data



- Self-assessed prenatal nursing competence
- 16% of nurses were comfortable with cessation interventions
- Implying
 - Lack of information? Weak skills?
 - Low confidence with counseling?
 - Inaccurate skill appraisal?
 - Discomfort with intervention?

Study Aims



Examine

- 1) Nurses' perceptions and experiences with cessation interventions
- 2) Influences on effectiveness
- 3) Characteristics of women who self-report smoking during pregnancy

Research design – Descriptive study

- 1. Focus groups Identify the key issues around nurses' cessation interventions
- 2. Survey Larger sample of nurses
- 3. Electronic Health Record (EHR) data Examine pregnant smokers' characteristics in relation to nurses' perceptions and experiences

Methods: Focus Groups

- 7 prenatal clinics, different sizes and locations
- Consent implied through participation
- Audio-taped and transcribed verbatim

Methods: Survey

- Tool developed from focus group discussions
- Invited 65 nurses at 20 prenatal clinics
- Survey accessed electronically via email
 - 25 items cessation assessments, strategies
 - 6 items cessation training
 - 6 items demographic descriptors
 - Items rated on a 4-point Likert scale

Methods: Electronic Health Record (EHR)

- Inclusion: Self-identified as smoker at first prenatal visit in 2009
- De-identified data set
- Included ~ 4500 women receiving prenatal care

Findings: Focus groups (27 nurses)

Vulnerability

Complex life situations, multiple stressors

Concern for women's welfare

Awareness influenced empathy, personalized care, prioritized interventions

Alternative cessation strategies

Assessments and personalized interventions

Constraints of clinic settings

Competing demands, few resources, unclear coordination

I go through the whole ritual of how I tried to quit... different things that I tried and what worked best.

I don't know how hard they [midwives and physicians] push it... we're not in the room... We go in and we do our education or whatever, and then they go in.

Findings: Survey

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54 participants (83%)
71% > 11 yrs. nursing experience
78% provided care to 26+ pregnant women/ week
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Responses described

- Tobacco use is consistently assessed
- Family and life situation negate cessation efforts
- Traditional cessation interventions ineffective for many longtime smokers

Findings: EHR data

- 215 women self-identified as smoker
 - Ages 16 42 yrs (M = 25.7, SD = 5.4)
 - Most were single (61%)
 - Included mothers without older child (28%)
 with 1 child (27%)
 with 2+ children (30%)
- Daily smoking 5 40 cigarettes (M = 10, SD = 5)
- 33% began smoking < 17 yrs old</p>

Conclusions

- Pregnant smokers perceived as vulnerable, with few resources or supports
- Responses conveyed insight, compassion, thoughtful strategies
- Current plateau in cessation rates suggest mismatch of traditional interventions with complexity of life situations

Next Study

Prenatal to Pediatrics: Coordinated interventions to promote tobacco-free homes

- Consistent messages across prenatal and pediatric settings
- Delivered by nurses and physicians with recurring contact with parents & young families
- Phone-based counseling by community partners

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Thank you



Questions?

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