

# Preventing Postpartum Smoking Relapse: A Texting Messaging Intervention

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## Smoking and Pregnancy

- Cause of premature morbidity and mortality
- Adverse outcomes
- 50% quit during pregnancy
- Interventions show efficacy

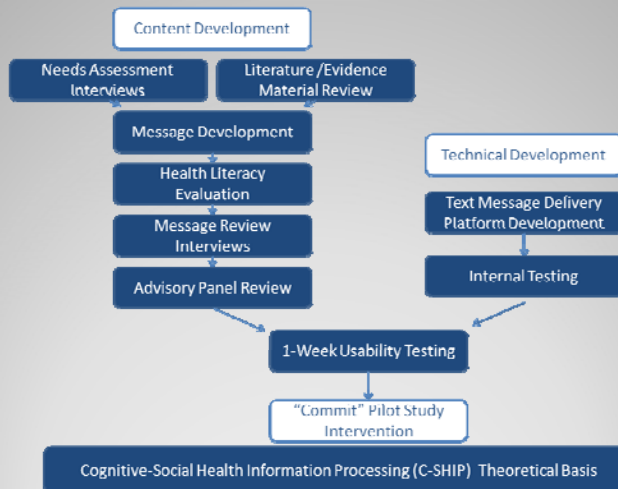


## High Postpartum Relapse

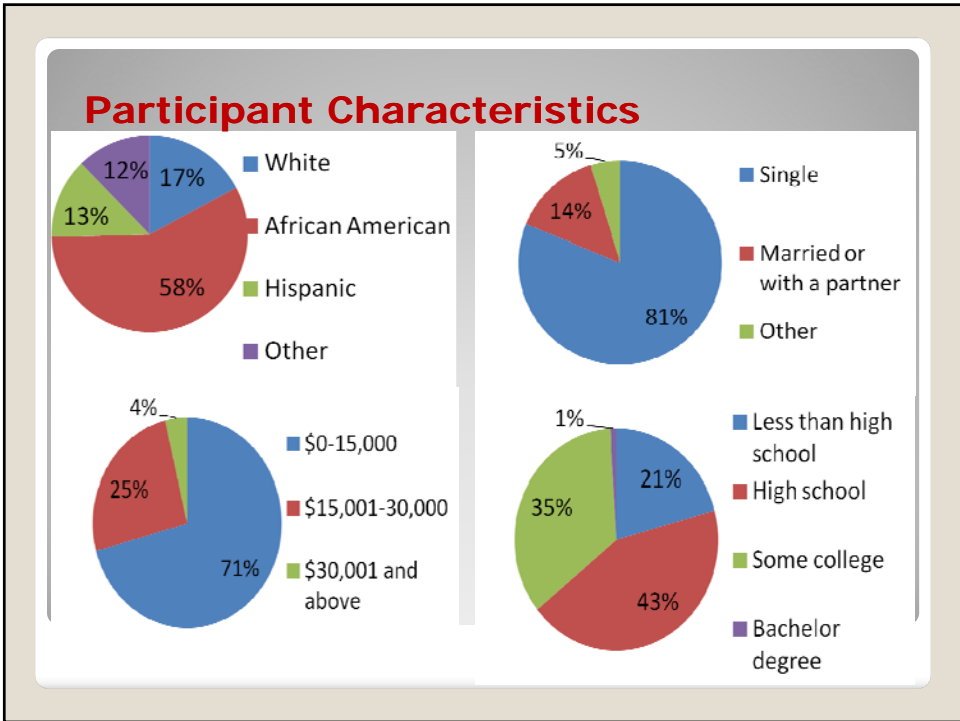
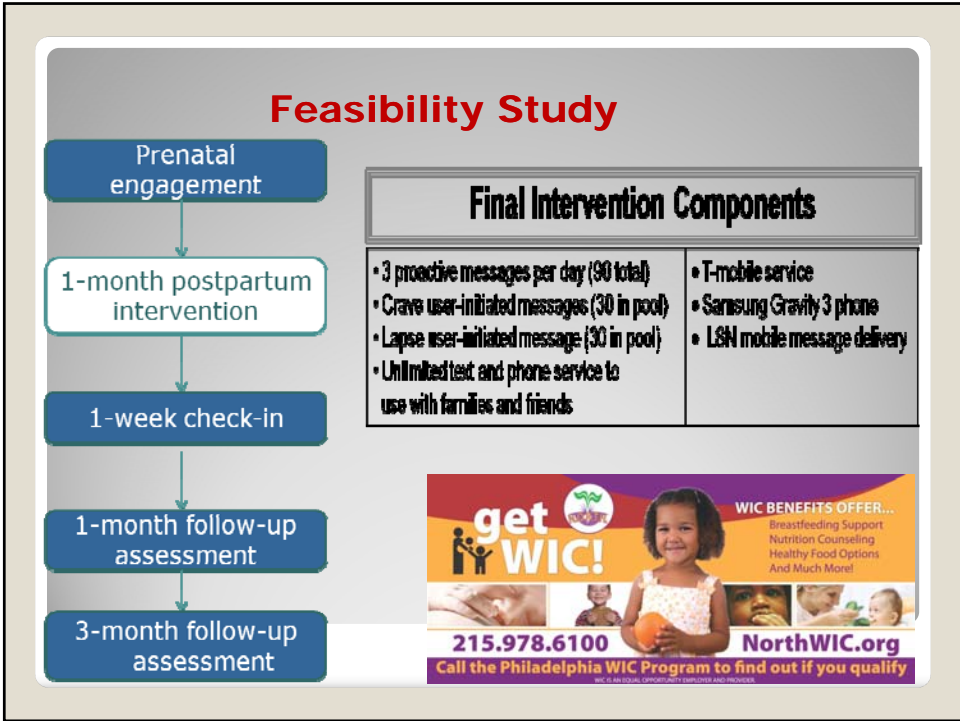
- 50-80% over the first year
- Child health problems and deaths
- Interventions show ineffective



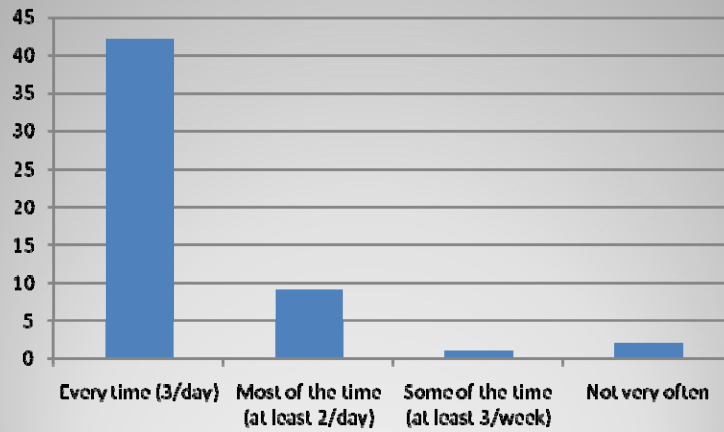
## "Commit" TM Intervention



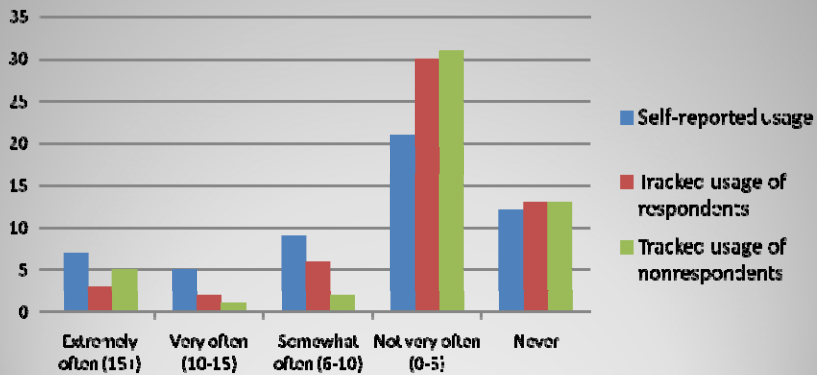
This study is supported by NCI grant# 1RC1CA145063-01 and P30 CA006927.



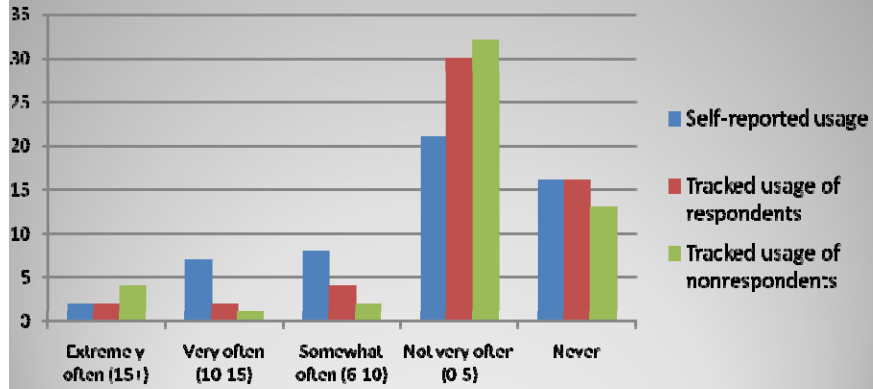
## Self-Reported TM Read Usage at 1 Month Follow-up



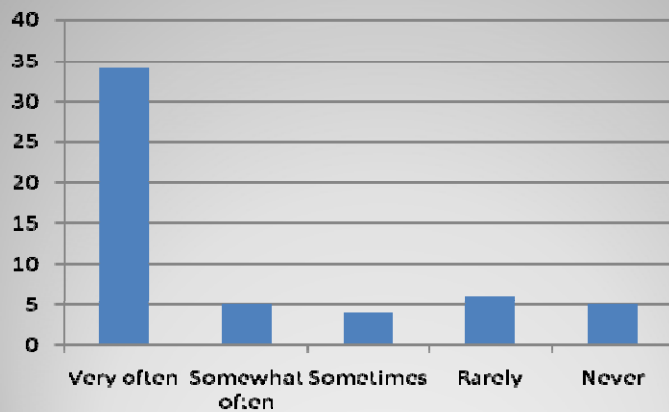
## Crave function: Self-Reported vs. Tracked Usage



## Lapse function: Self-Reported vs. Tracked Usage



## Self-reported Usage for Social Support Phone Call



## Challenges

- Hard to reach population
- High attrition rate: 50%
- Difficult to collect biochemical verification of smoking status

## Increase Engagement: Future Direction

- Enhanced bidirectional text messages:
  - Tailored to ecological assessment via text messages
- Multimodel interventions:
  - Web portal
  - Email
  - Video
- Facilitated peer communication and support