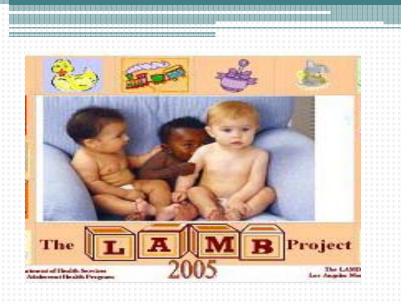
Racial disparities in maternal depression during pregnancy: Final results from the Los Angeles Mommy and Baby (LAMB) Project, 2005.

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What is the problem?

- Untreated depression during pregnancy is associated with pre-term delivery, increased uterine artery resistance, neonatal growth retardation, high cortisol levels at birth, maternal hypertension and preeclampsia¹
- Depression during pregnancy is also an important predictor of post partum depression²
- Estimates of the prevalence of depression during pregnancy range from 12-37%^{2,3,4}

Methods

SURVEY

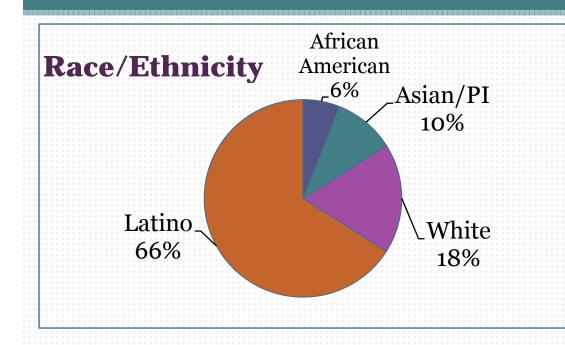
- LAMB is a population-based survey that aims to identify factors associated with poor birth outcomes and estimate the prevalence of selected maternal experiences
- Questions in the LAMB survey were primarily drawn and adapted from previously validated survey instruments
 Participants receive a \$20 gift
- certificate

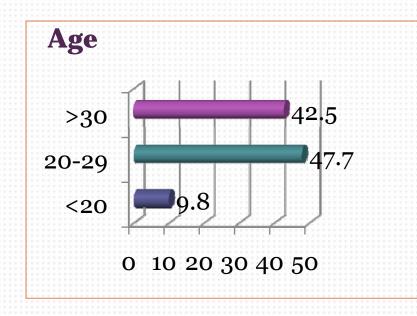
DATA

- Population data is obtained from birth certificates
- Stratified random sample with an over sample of low birth weight/pre-term births as well as African American, Asian/PI and Native American births
- Mixed-mode methodology for data collection similar to the CDC Pregnancy Risk Assessment Monitoring System (PRAMS) Project

Data Analysis

- Depression Questions:
 - For two weeks or longer during your most recent pregnancy, did you
 - Feel sad, empty or depressed for most of the day?
 - Lose interest in most things like work, hobbies, and other things you enjoyed?
 - During your most recent pregnancy did you have a diagnosed mental health problem (for example depression, schizophrenia, etc)?

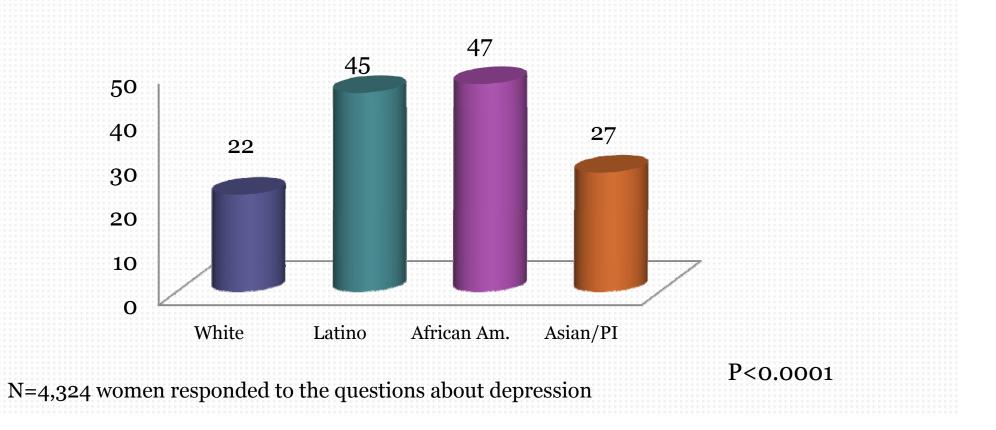




DEMOGRAPHICS

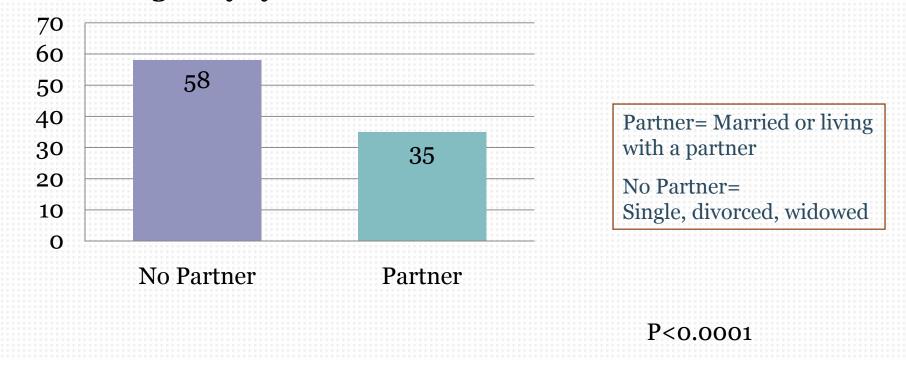
5, 211 women responded to the 2005 LAMB survey
Approximately 1/3 of the participants reported their annual income as >\$40,000 and 44% reported less than \$20,000

• 39% of women reported depression during their last pregnancy, while only 3% reported having a diagnosed mental health problem

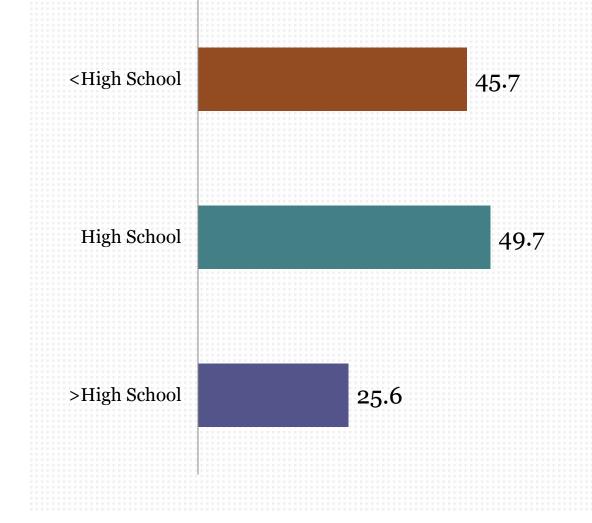


• 18% of women were single, divorced, or widowed at the time of their delivery

Reported Depression During Pregnancy by Partner Status



Reported Depression During Pregnancy by Education

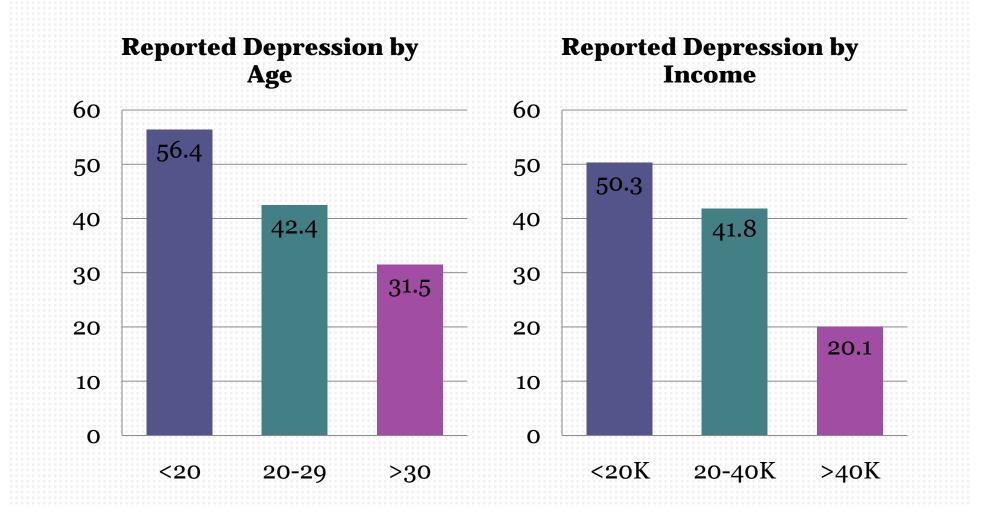


Results

Approximately 30% of women had less than a high school diploma, 30% were high school graduates and 40% had more than a high school education

P<0.0001

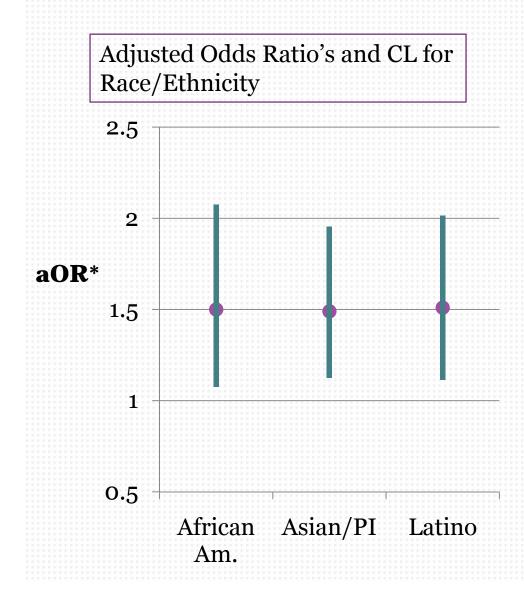
Reported depression during pregnancy decreased with increasing age and income.



- Several maternal medical conditions were found to be associated with reported depression during pregnancy and were included in multivariate models:
 - Vaginal bleeding
 - High blood pressure
 - Kidney or bladder infection
 - Labor pains more than 3 weeks before due date
 - Problems with the placenta
 - Premature rupture of membranes
 - Sexually transmitted disease
 - Severe nausea or vomiting



Multivariate Model



 African American, Latino and Asian/PI were all more likely than White women to report depression during their last pregnancy.

*The multivariate model included maternal medical conditions mentioned previously, mother's education, income, age, and partner status

Multivariate Model

- In addition to mother's race/ethnicity there were several other important factors associated with reported depression during pregnancy.
- Women with lower income were two times as likely to report depression during pregnancy (aOR 2.18 CI 1.57, 3.03)
- Women who were single, divorced or widowed were also more likely to report depression during pregnancy (aOR 1.85 CI 1.36, 2.50)

Conclusions

- Overall 39% of women reported depression during pregnancy.
- African American, Latino and Asian/PI women are at increased risk for depression during pregnancy.
- Younger women and women with lower incomes were also at increased risk for depression during pregnancy



Data to Action

- Findings from LAMB helped to support the formation of the Los Angeles Perinatal Mental Health Task Force (LAC PMHTC)
 - Aim is to improve the mental health of women during the perinatal period.
 - Data were used to secure a grant that would address perinatal depression in LAC.

Local Collaborative Groups

- LAMB data has been presented to several local Healthy Baby Learning Collaborative groups to help set priority focus areas
- LAMB has received two Model Practice Awards from the National Association of County and City Health Officials

Contact

- For additional LAMB information please visit <u>www.LALamb.org</u>
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