Binge Drinking by Women in the Preconception Period, California, 2010

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Presenter Disclosure



Maria A. L. Jocson, MD, MPH

The following personal financial relationships with commercial interests relevant to this presentation existed during the past 12 months:

No relationships to disclose



Background



- Alcohol use during pregnancy is a leading cause of birth defects and developmental disabilities, such as:
 - Fetal Alcohol Spectrum Disorders (FASD), including Fetal Alcohol Syndrome (FAS)
- Alcohol can harm a baby at any time during pregnancy, including early on, before women know they are pregnant
 - Preconception period is a proxy for behaviors early in pregnancy
- · No known quantity of alcohol consumption is safe
 - As few as 7 drinks per week, or one per day, can cause damage¹
 - Binge drinking (4+ drinks in one sitting) is especially harmful²
 - Higher levels of consumption increase risk of fetal damage

Uscobson, J.L., and Jacobson, S.W. 1994. Prenatal alcohol exposure and neurobehavioral development. Where is the threshold? Alcohol resettle A Research World 18:30-36.

Sacobson, J.L., and Jacobson, S.W. 1999. Dinking moderately and pregnancy: effects on child development. Alcohol Research & Health 20(1):25-30.



Specific Aims



- Surveillance of FASD is limited because of:
 - Varying criteria for diagnosing FASD
 - Lack of provider knowledge
 - Inadequate information about maternal drinking patterns
- This presentation will describe:
 - Prevalence of binge drinking during the 3 months before pregnancy among women with a recent live birth in California
 - Characteristics of women who are more likely to binge drink, in order to inform outreach efforts to specific populations
 - Percentages and adjusted odds ratios



Maternal and Infant Health Assessment Survey (MIHA)



- Since 1999, annual population-based survey of women with recent live birth
- · Sample from birth certificates for Feb May births, excluding:
 - Non-residents
 - Women < 15 years old
 - Multiple births > 3
- Designed to represent all women giving birth in calendar year who meet inclusion criteria
- Survey mailed in English and Spanish with telephone follow-up to non-respondents
- ~6,800 women participated in 2010, with a response rate of 69%



Study Population



 Survey respondents who answered the following question on binge drinking before pregnancy (n=6,739)

The next questions are about drinking 4 or more alcoholic drinks in one sitting. By one sitting, we mean within about **2** hours.

During the 3 months <u>before you got pregnant</u>, how many times did you drink **4 or more** alcoholic drinks **in one sitting**?

- ☐ I didn't drink 4 or more drinks in one sitting in the 3 months before I got pregnant
- In 2010, 15.0% (95%CI=13.5-16.5) reported binge drinking at least once during the 3 months before pregnancy





















