

Preliminary Results Tdap Vaccination Coverage Among Pregnant Women

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ACIP Tdap Recommendations

- **2012: ACIP recommends vaccination with a dose of Tdap during each pregnancy, irrespective of the patient's prior history of receiving Tdap or interval since last Td-containing vaccine**
 - Takes into account waning in antibody titers that occur one or more years after vaccination and
 - Vaccination during each pregnancy provides for higher levels of transplacental maternal antibodies transferred to infants
 - Vaccination ideally between 27-36 weeks' gestation
- **2011: ACIP recommended Tdap during pregnancy, preferably after 20 weeks' gestation. If not administered during pregnancy, Tdap should be administered immediately postpartum**

CDC. Updated Recommendations for Use of Tetanus Toxoid, Reduced Diphtheria Toxoid, and Acellular Pertussis Vaccine (Tdap) in Pregnant Women — Advisory Committee on Immunization Practices (ACIP), 2012. MMWR; 62(7);131-135

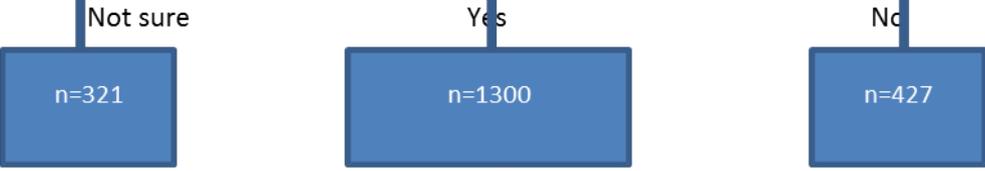
CDC. Updated Recommendations for Use of Tetanus Toxoid, Reduced Diphtheria Toxoid and Acellular Pertussis Vaccine (Tdap) in Pregnant Women and Persons Who Have or Anticipate Having Close Contact with an Infant Aged <12 Months --- Advisory Committee on Immunization Practices (ACIP), 2011. MMWR; 60(41);1424-1426

Internet Panel Survey of Pregnant Women

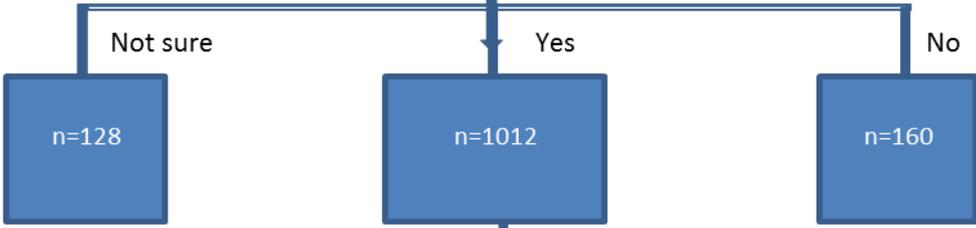
- **To assess Tdap vaccination coverage of pregnant women, CDC included questions on Tdap vaccination as part of internet panel surveys of pregnant women conducted in April of 2011-2013.**
- **Women aged 18–49 years who were pregnant at any time since August of the prior year (e.g. 2012 for the April 2013 survey) were recruited from a SurveySpot panel, a general population internet panel operated by Survey Sampling International**
- **Data were weighted to reflect the age groups, race/ethnicity, and geographic distribution of the total U.S. population**
- **The following results are PRELIMINARY.**

Total N=2048
Women that pregnant any time
between August 2012-April 2013

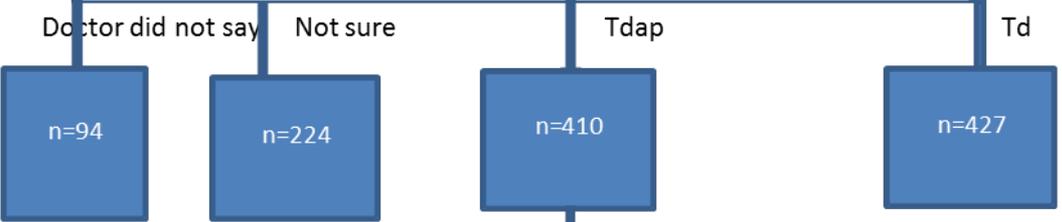
TF10a. Have you received a tetanus shot in the past 10 years?



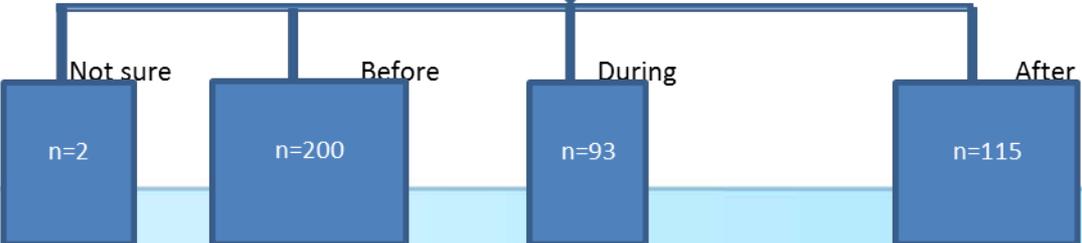
TF10b. Was your most recent tetanus shot given in 2005 or later?



TF10c. Thinking back your most recent tetanus shot, which shot were you given, Td or Tdap?

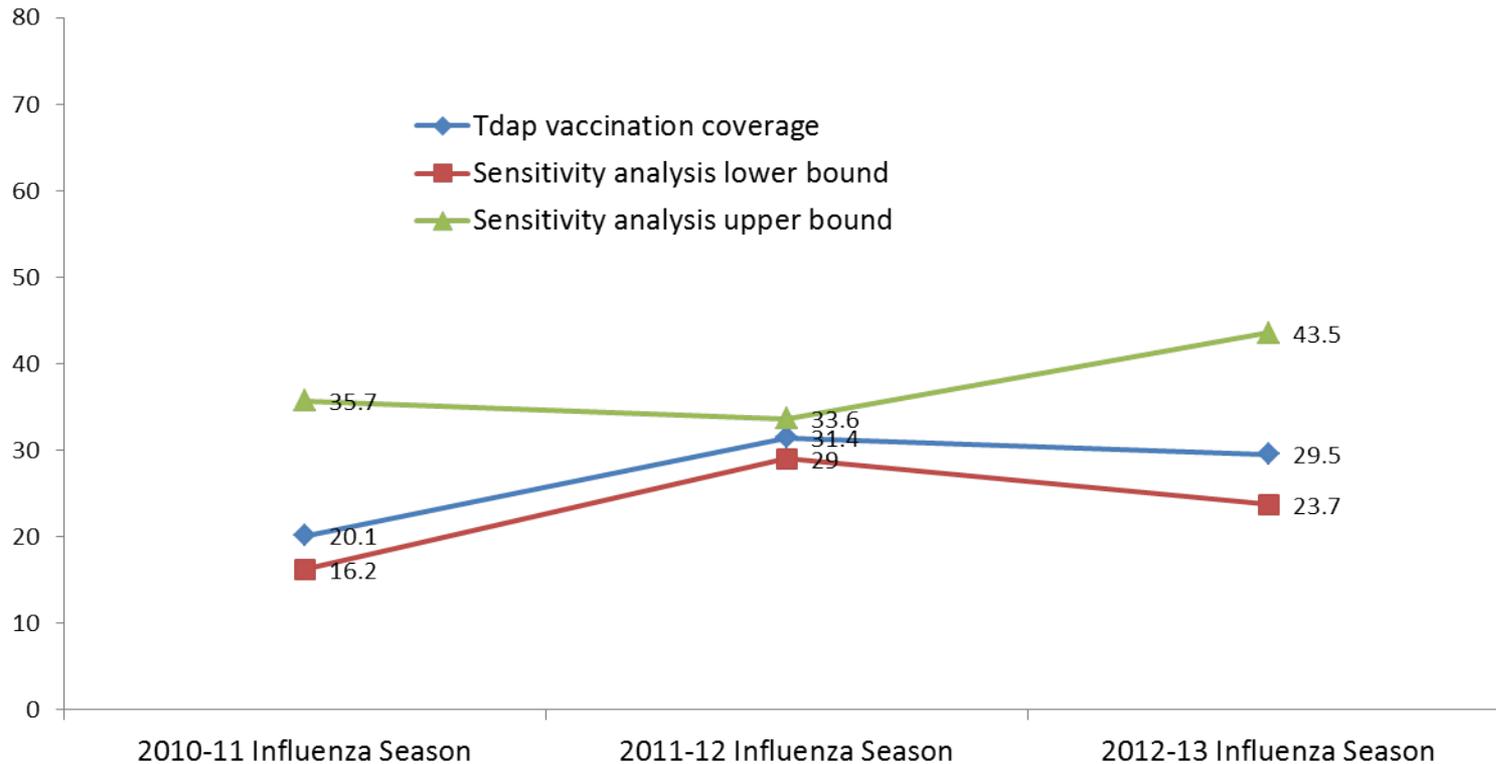


TF10d. When did you recent your Tdap shot? Before, during or after pregnancy?



PRELIMINARY

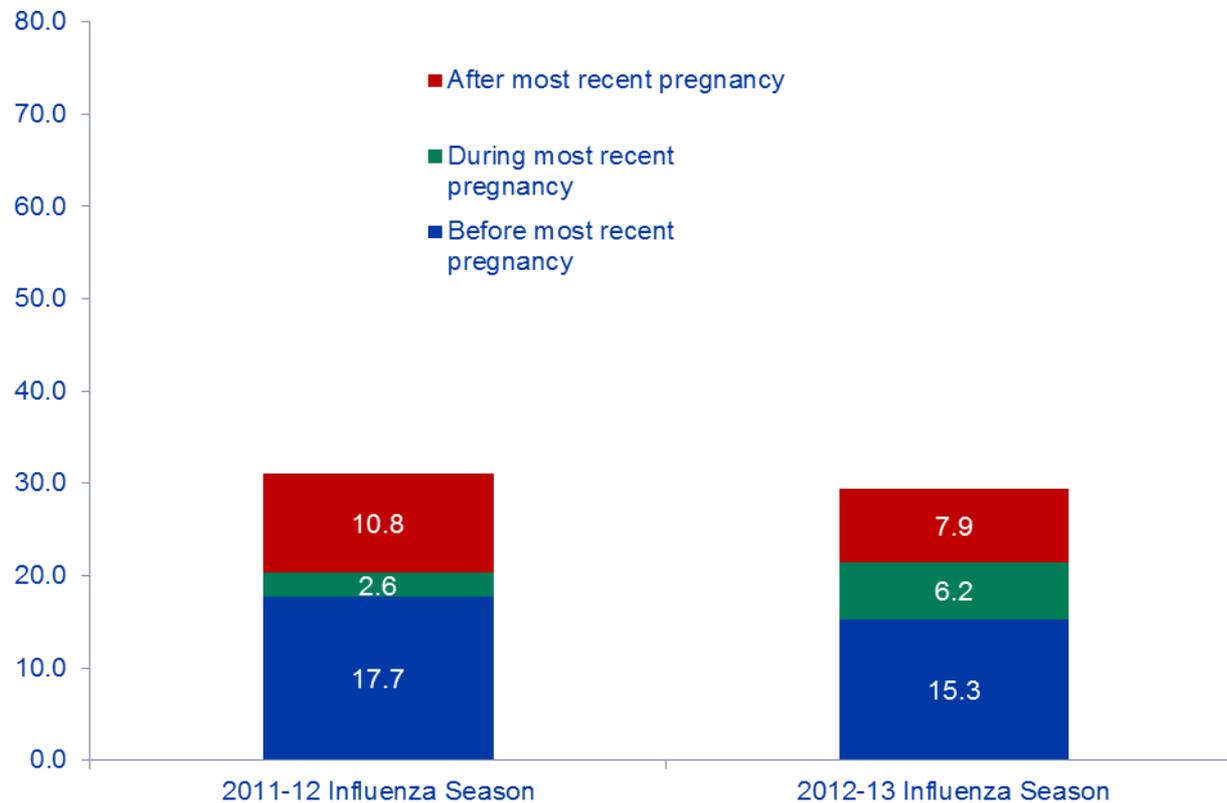
Trend of Tdap vaccination coverage for women pregnant anytime between August-April, three influenza seasons



Source: Internet Panel Survey

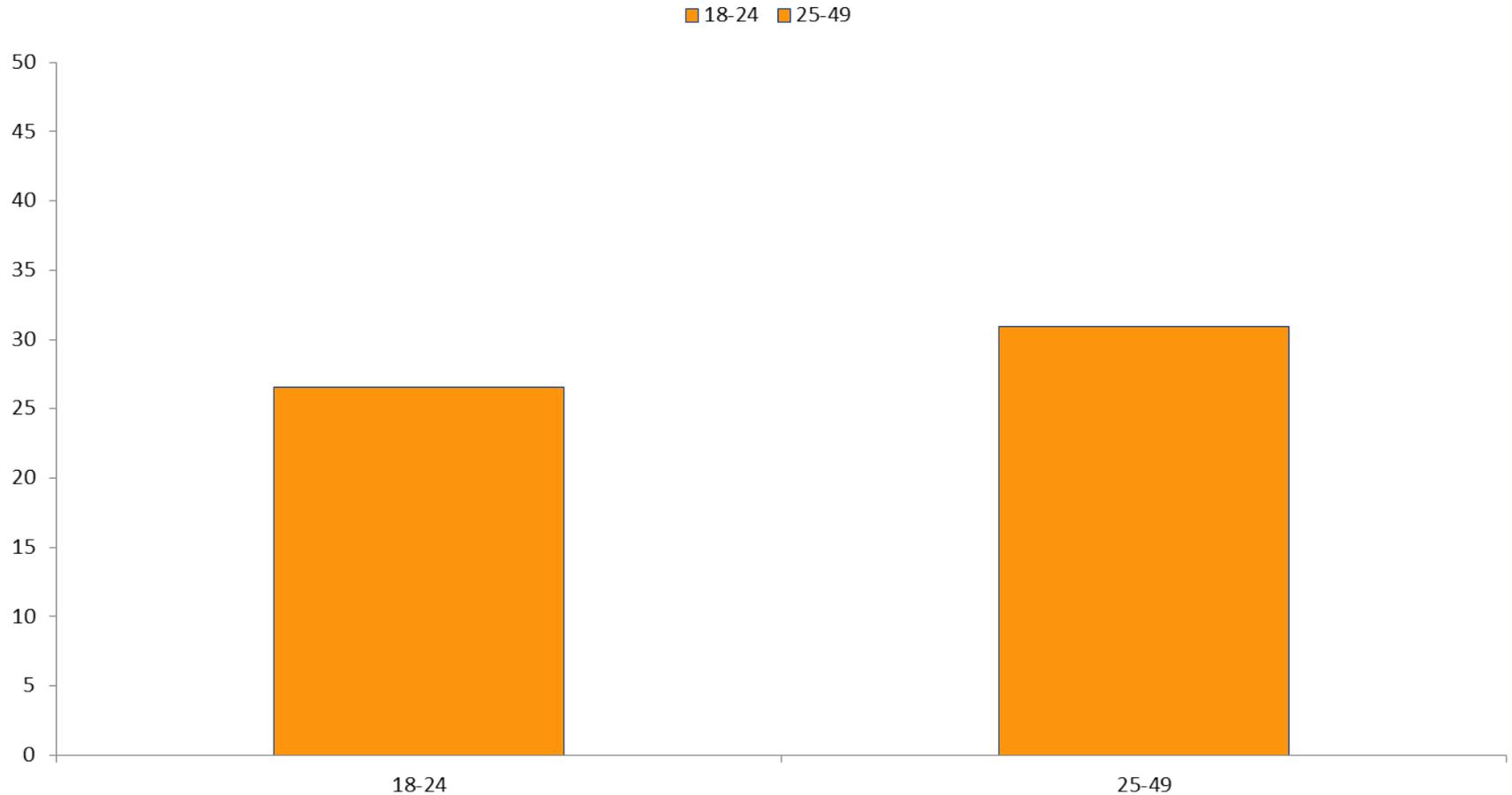
PRELIMINARY

Tdap Vaccination Coverage Among Pregnant Women, By Stage of Pregnancy, 2011-12 and 2012-13 Influenza Seasons



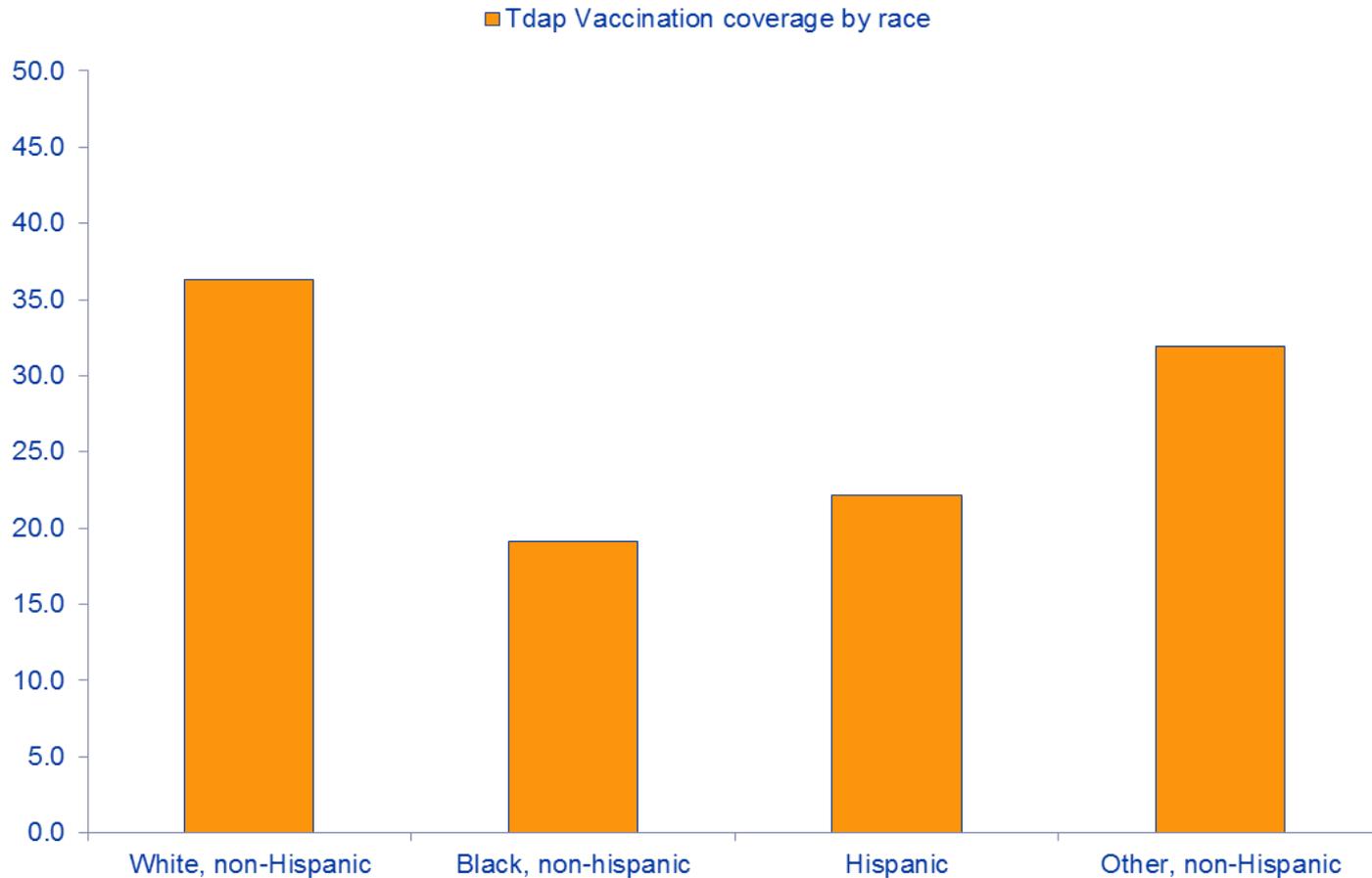
Source: Internet Panel Survey

PRELIMINARY Tdap Vaccination Coverage by Age, 2012 - 2013



Source: Internet Panel Survey

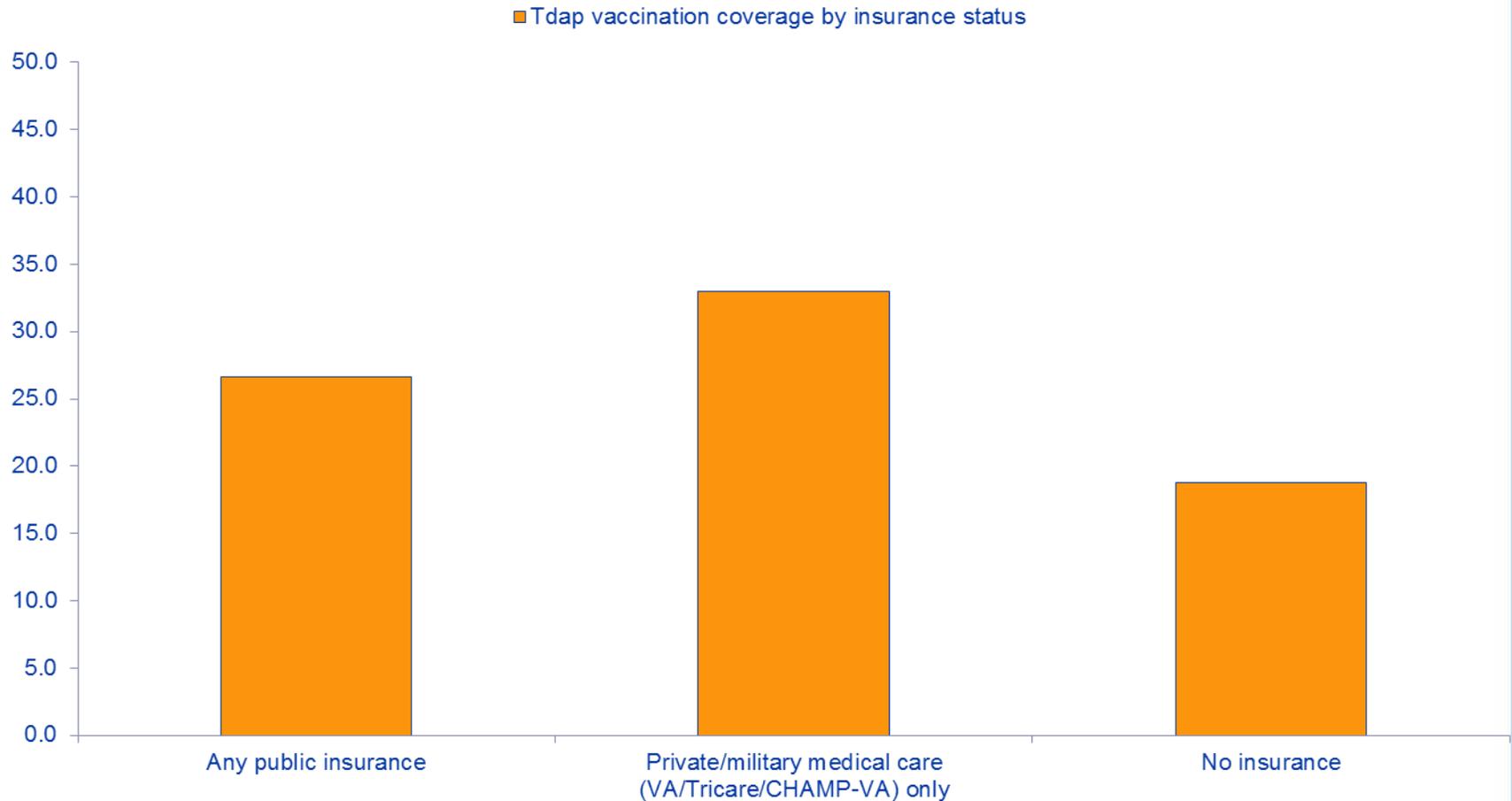
PRELIMINARY Tdap Vaccination Coverage by Race/Ethnicity, 2012-13



Source: Internet Panel Survey

PRELIMINARY

Tdap Vaccination Coverage by Insurance Coverage, 2012-13



Source: Internet Panel Survey

Limitations

- **The Tdap estimate is subject to considerable uncertainty.**
- **Many respondents were excluded from estimations of Tdap coverage, e.g. all respondents who reported a tetanus vaccination during 2005–2011 but were unable to say whether Td or Tdap was used**

Conclusions

- **Approximately 30% of women were vaccinated, but few were vaccinated during pregnancy**
 - More in 2012-13 than prior year
- **Racial and ethnic disparities in Tdap vaccination of pregnant women**
- **Efforts needed to educate providers and public regarding the recent ACIP Tdap vaccine recommendations.**

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

