



South Dakota Tribal PRAMS: Select prenatal experiences & postpartum infant health practices

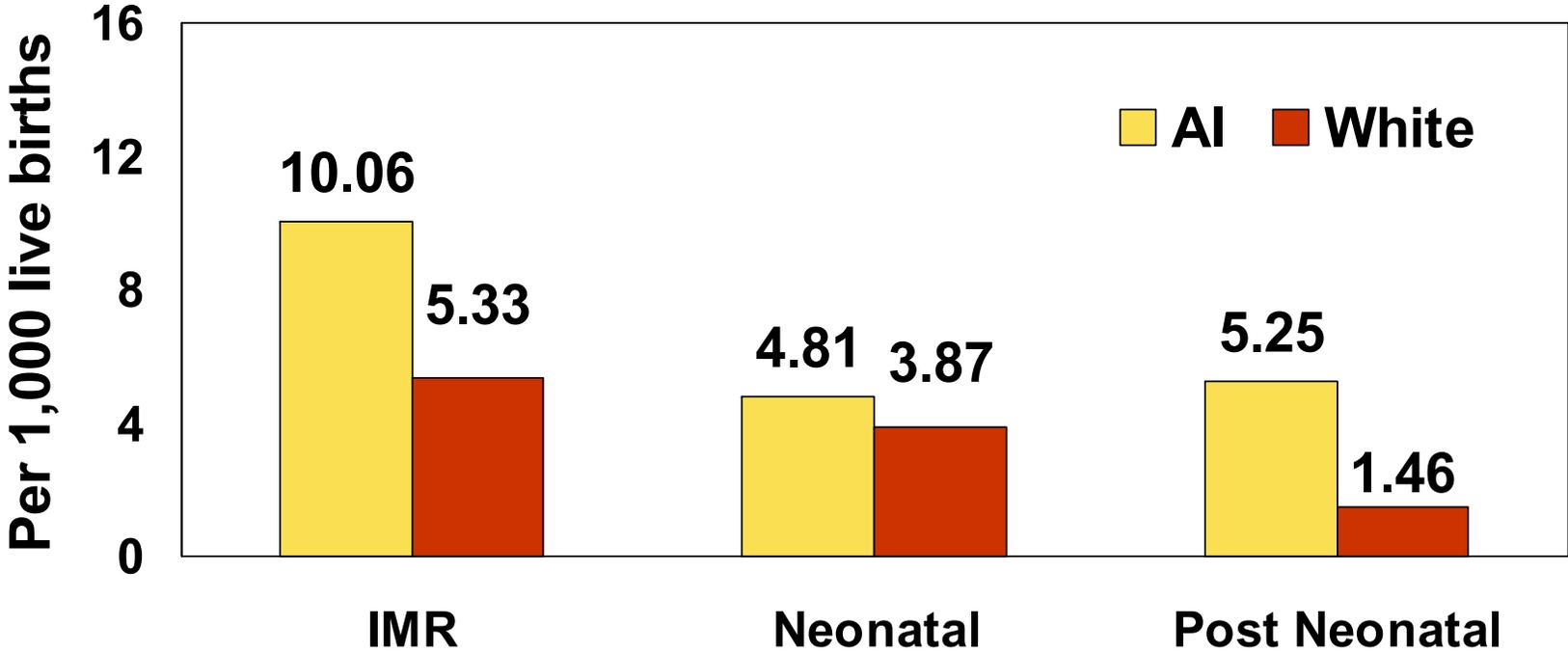
Jennifer S. Irving, MPH

SD Governor's Task Force on Infant Mortality
June 20, 2011



Background data, 2007

Racial Disparities



- AI 19% of birth population
- IMR higher than national AI/AN rates
- 52% AI infant deaths in post neonatal period



CDC PRAMS

Pregnancy Risk Assessment Monitoring System

- CDC initiative to reduce infant mortality and low birth weight
- Population-based surveillance system
- Monitor selected maternal experiences, attitudes and behaviors before, during and after pregnancy
- Supplements vital records data
- Supports analysis and translation of data into action



South Dakota Tribal (SDT) PRAMS: A Statewide, American Indian, Point-in-Time Project

PREGNANCY
RISK
ASSESSMENT
MONITORING
SYSTEM

*With your help, we can improve the health of
Native mothers and babies in South Dakota.
Your answers are very important.*

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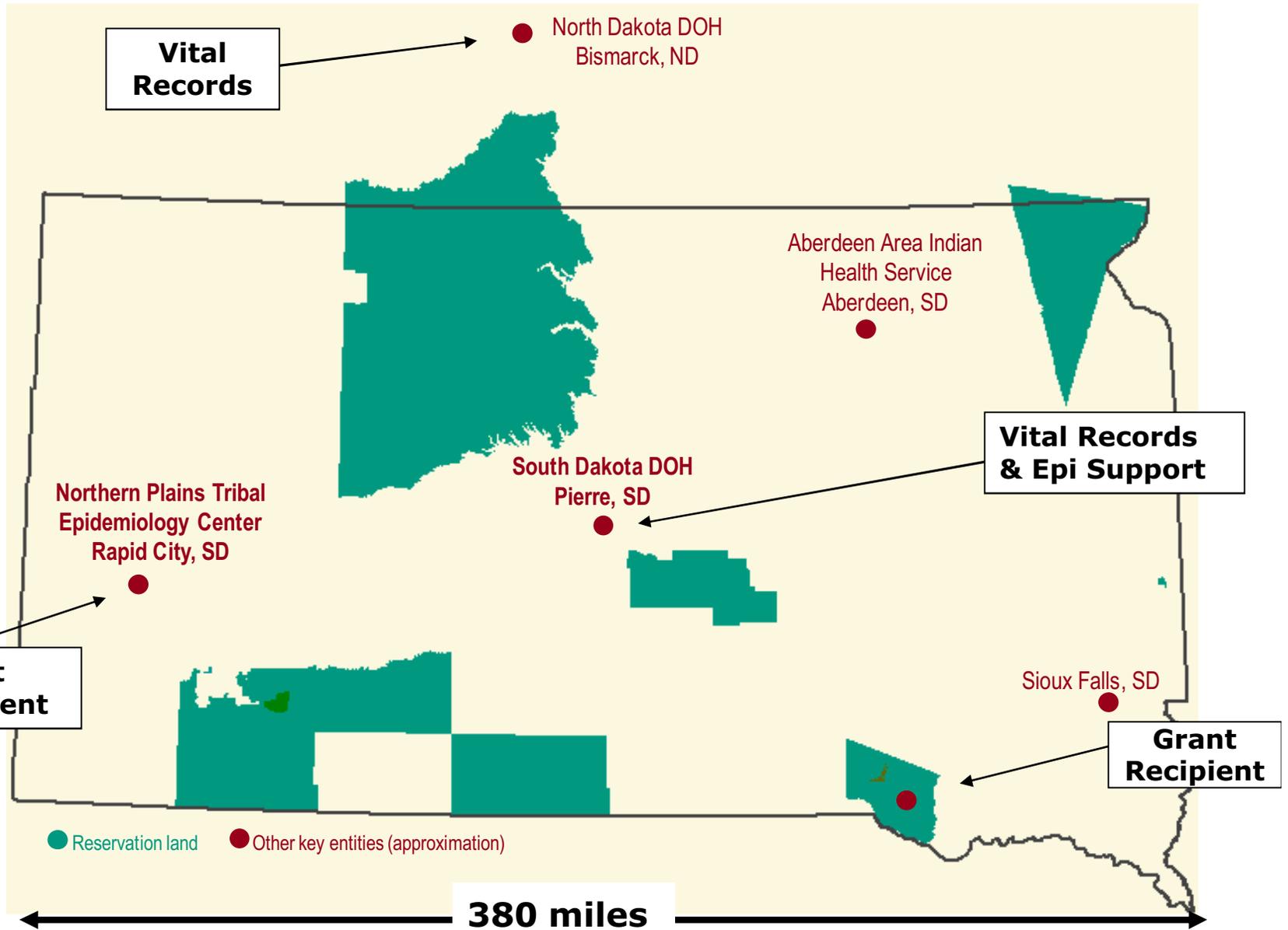
To ask questions or do the survey
by phone, call us at:
1-888-200-1779

South Dakota Tribal

PRAMS
Pregnancy Risk Assessment Monitoring System



SDT PRAMS Collaboration





SDT PRAMS Data Collection

- June – December 2007
- Point in Time, not on-going
- Included Moms of AI residing in SD at birth,
 - Rez and Non-rez
- CDC weighted data



SDT PRAMS Data Collection Operations

- Mixed-mode data collection
 - Multi-step mail phase (plus adapted steps unique to SDT PRAMS)
 - WIC Hand delivery to WIC participants
 - Hand delivered/pick-up to reservation residents
 - Up to 3 questionnaires delivered
 - Telephone follow up for non-responders to mail phase



SDT PRAMS Results

- Total Sample
1299
- # of Respondants
948
- Response Rate
72.9%





Sample Socio-Demographics

Race

- 92% AI mother
- 61% AI father

Age

- 23% < 20 years
- 71% 20 - 34 years
- 6% 35 - 44 years

Education

- 36% < 12 years

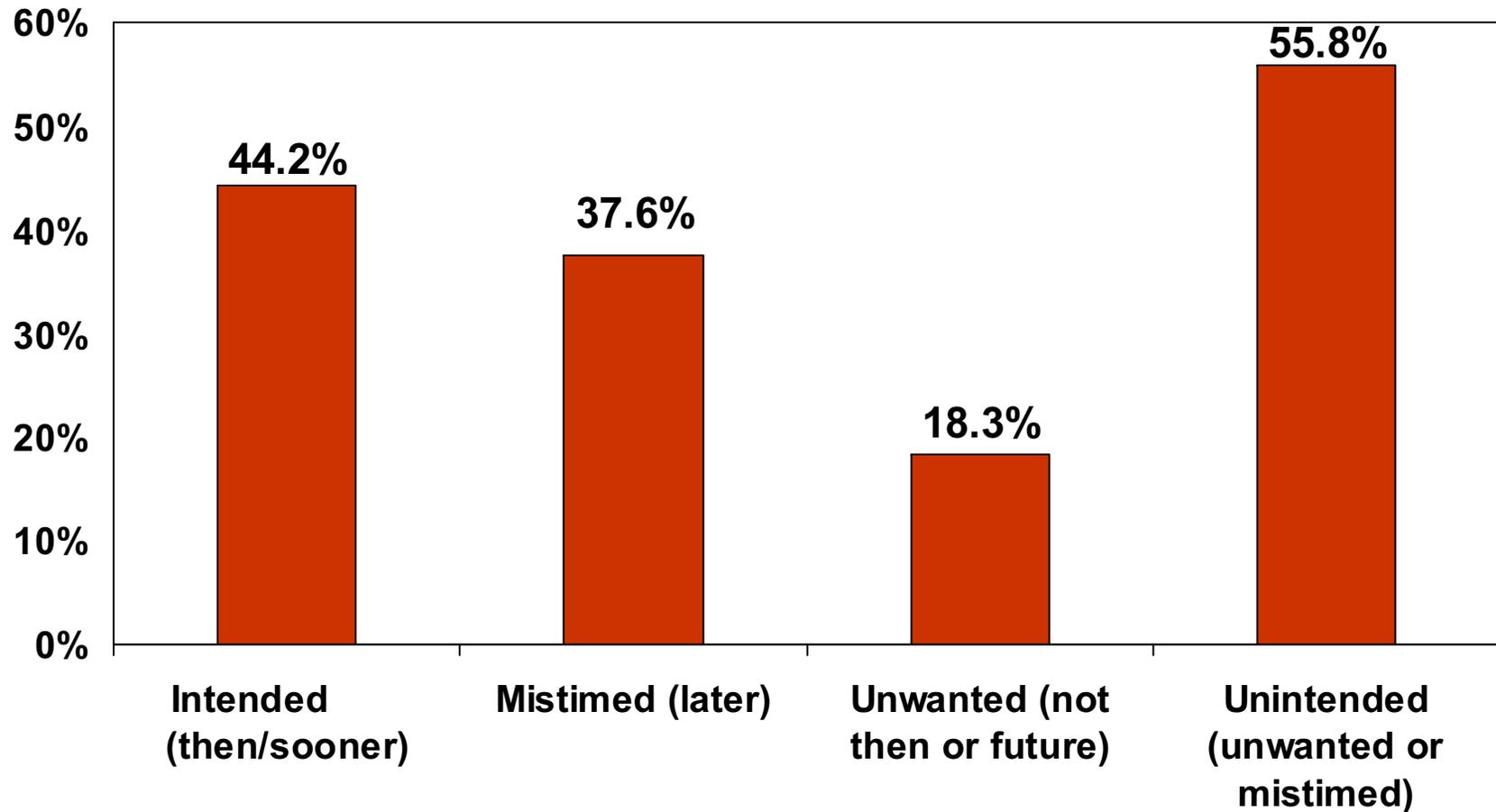
Marital status

- 77% not married

HH Income

- 56% < \$10,000

Pregnancy intention, SDT PRAMS, 2007





Barriers to Prenatal Care (PNC)

Had too many other things going on	14.9%
Lacked transportation	14.5%
Didn't want anyone to know she was pregnant	13.7%
Couldn't get an appointment	13.4%
Experienced racism in receiving health care before or during pregnancy	9.5%
Lack childcare	9.1%



Topics most discussed at PNC

Breastfeeding	90.8%
Postpartum birth control	86.7%
Smoking	86.2%
Drinking alcohol	85.4%
Safe medicines during pregnancy	85.3%
HIV Testing	82.3%
Illegal Drugs	82.1%

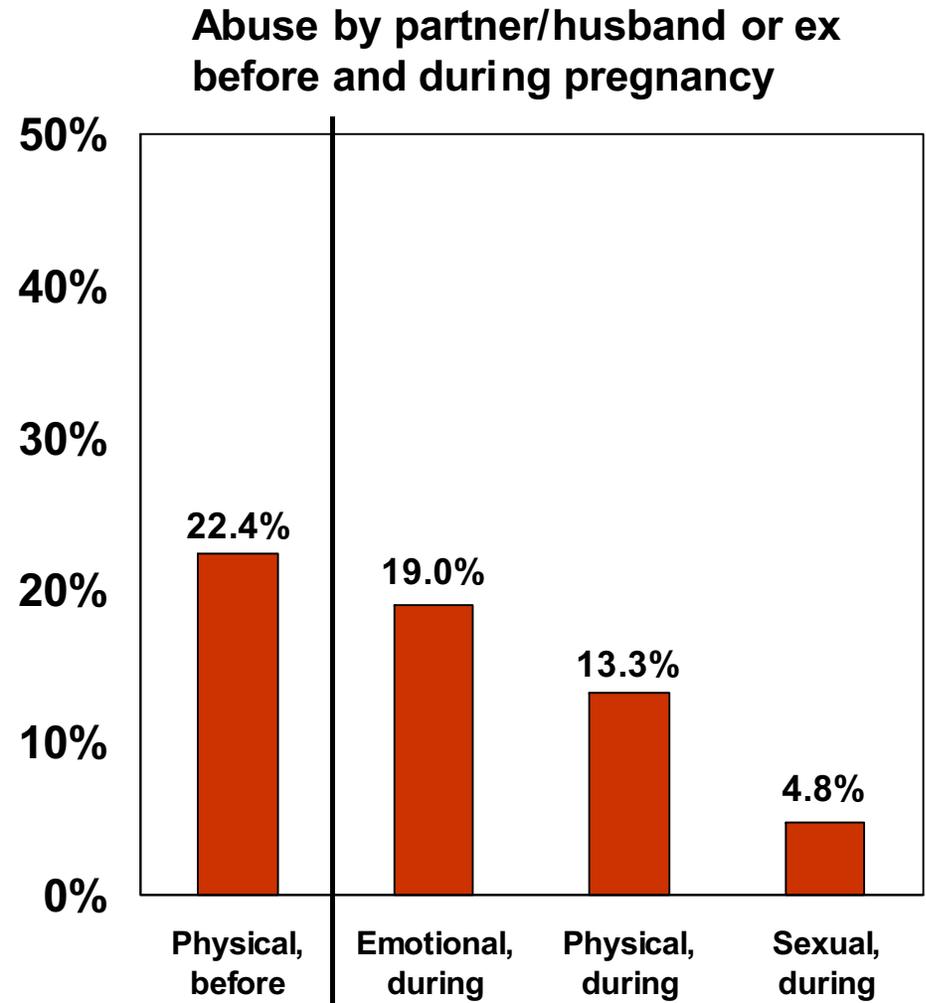
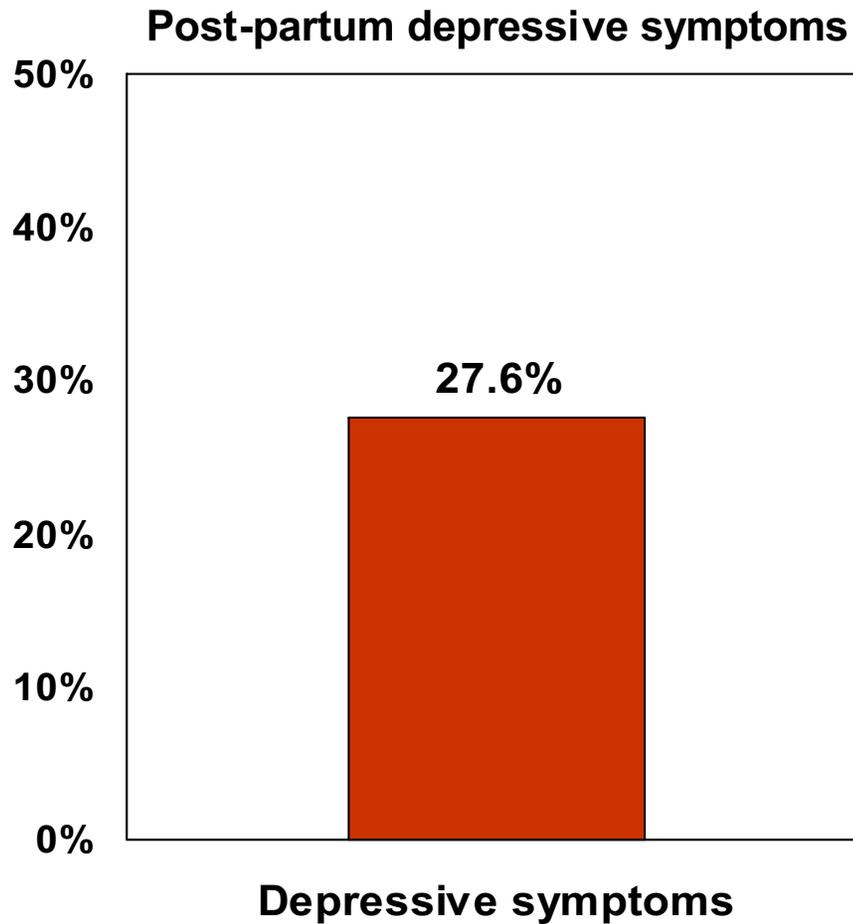


Least discussed at PNC

- Physical Abuse
- Selt belt usage
- Early Labor
- Testing for birth defects

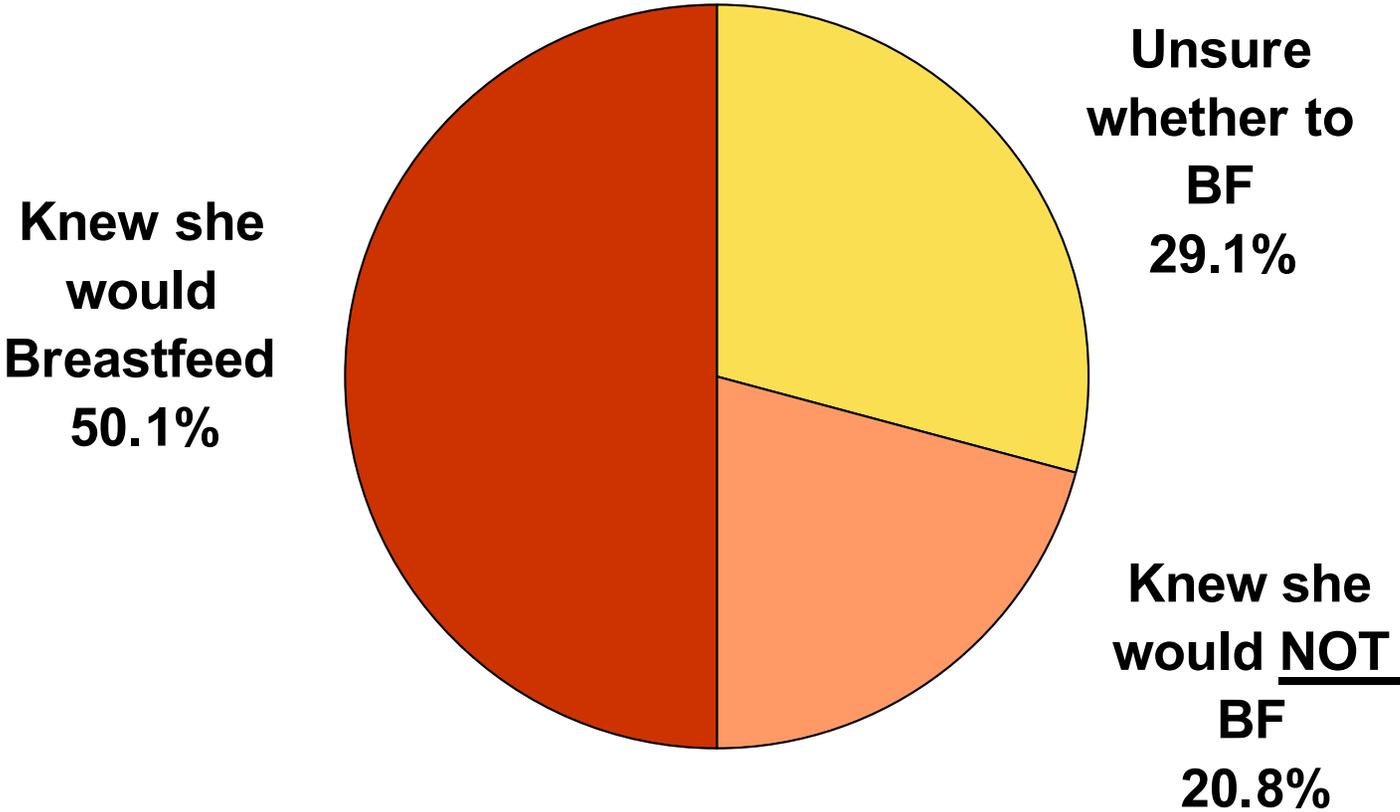
Photo provided by Healthy Native Babies

Depression and abuse, SDT PRAMS, 2007





Breastfeeding intentions





Breastfeeding practices

- 66.9% breastfed or pumped breast milk at any point after delivery
- 37.9% breastfed or pumped milk for at least 2 months

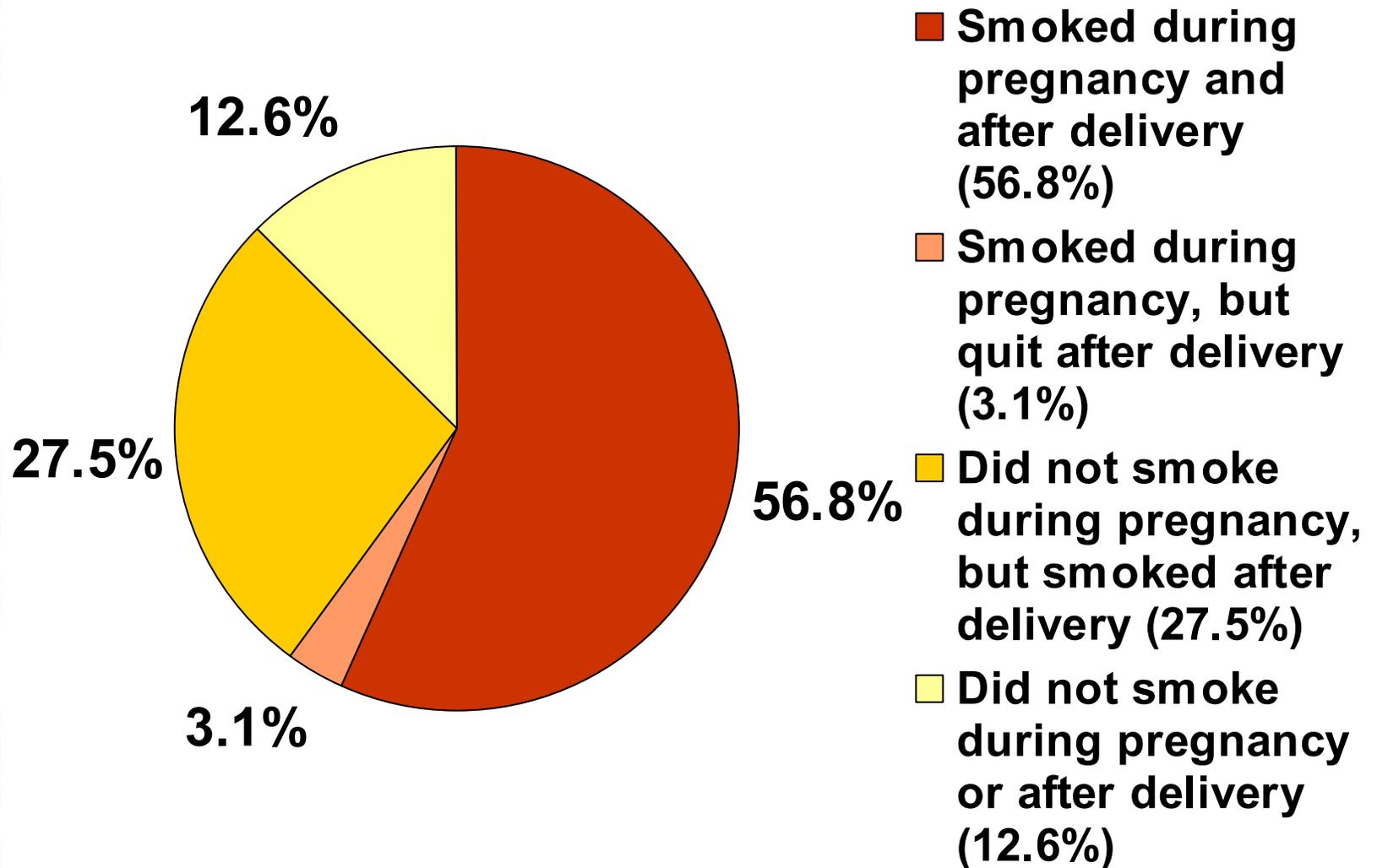


Maternal Tobacco Use

- 52.5% reported any smoking before pregnancy
- 31.4% reported any smoking during last 3 months of pregnancy
- 45.1% reported smoking after pregnancy



Among women who smoked before pregnancy...





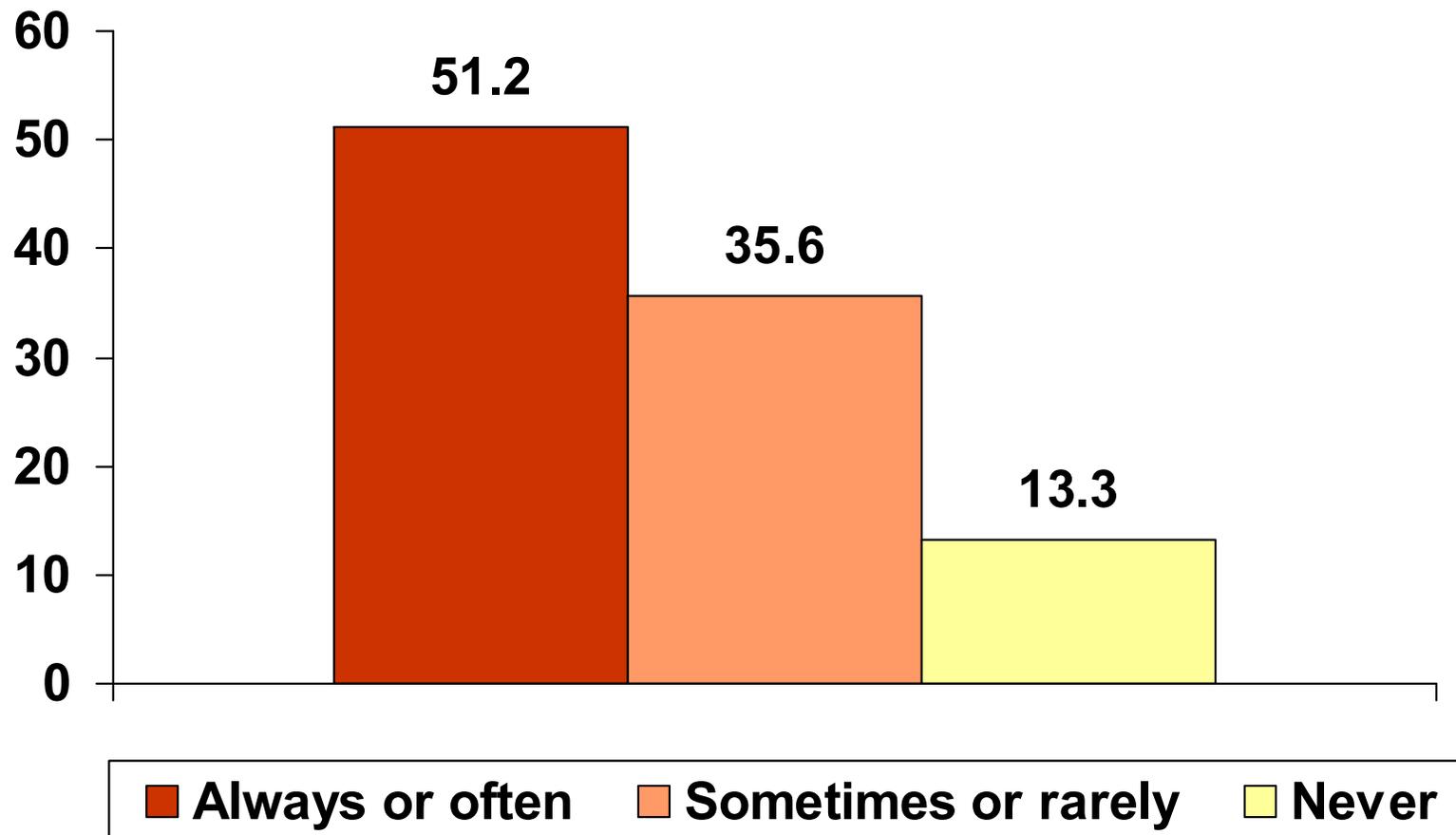
Exposure to environmental tobacco smoke (ETS)

- 53.1% of women were exposed to ETS during pregnancy
- 7.7% of women report infants were exposed to ETS
- 84.2% report that “no one was allowed to smoke anywhere inside their home” after baby was born



Infant sleeping practices

How often does your new baby sleep in the same bed with you or anyone else?





Infant sleeping practices

85.2% of moms report placing baby on his/her back to sleep



Photo provided by Healthy Native Babies



Conclusions

- High response rates indicate that Tribal and State program partnership is central at all levels in research
- The high rates of participant smoking and co-sleeping practices offer opportunities for providers to educate and inform women



Conclusions

- Increase access to mental health/counseling services for depression and abuse resources
- Partnerships with community-based and tribally-run programs to
d
e
preconception care
services/resources



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Acknowledgements

Centers for Disease Control

Denise D'Angelo

SDT PRAMS Staff

Jennifer S. Irving; Christine Rinki; Lynn Big Eagle; TFS Team/Northern Plains Healthy Start

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Funding sources

CDC Cooperative Agreement #1 UR6 DP000466-01/02

