

# PREVALENCE OF FASD

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# Prevalence Estimates of Maternal Drinking during Pregnancy and FAS/D in the U.S.

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## In the general population:

	FAS	1 / 1000 live births
	FASD	3-5 / 1000 live births
Maternal drinking during pregnancy		12 %

## In Foster Care (high risk population)

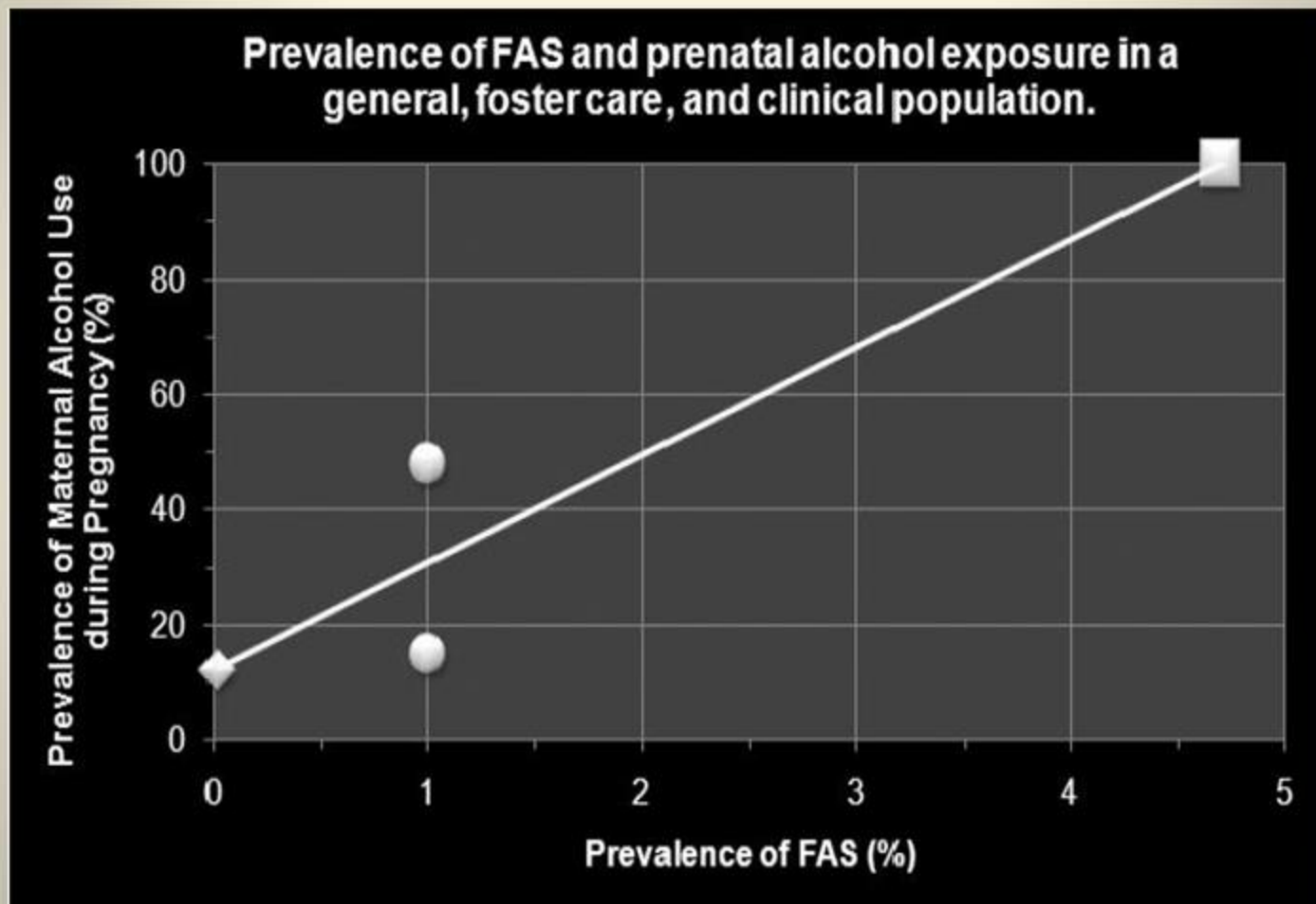
	FAS	1 / 100
Maternal drinking during pregnancy		15% - 48%

## In a FASD Diagnostic Clinic (very high risk population)

	FAS	1 / 10
	FASD	7 / 10
Maternal drinking during pregnancy		100%

## Correlation between Prevalence of FAS and Alcohol Use in 3 Populations

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General

Foster Care

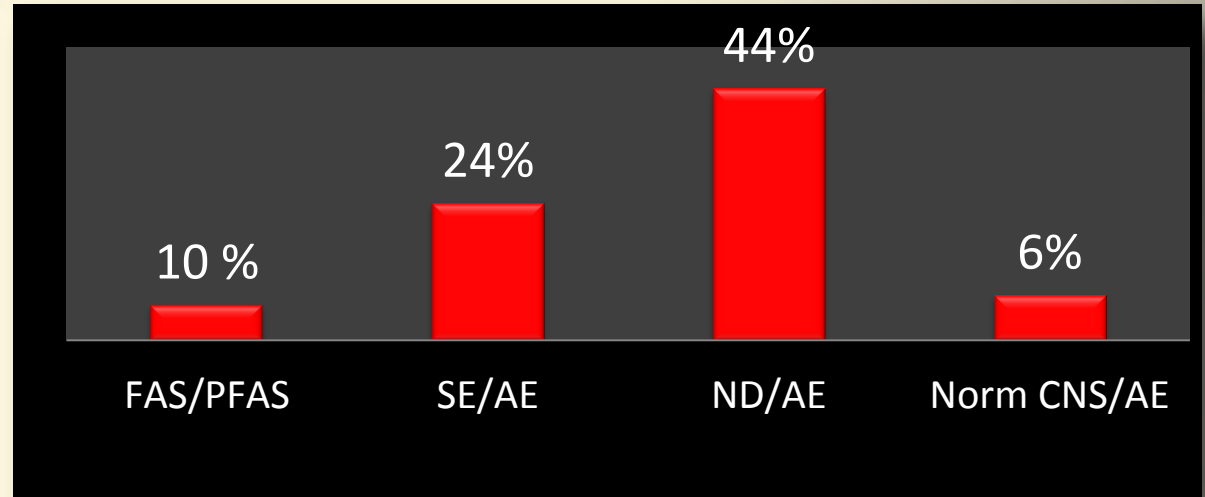
FASD Clinic

# Prevalence of FASD in humans and primates

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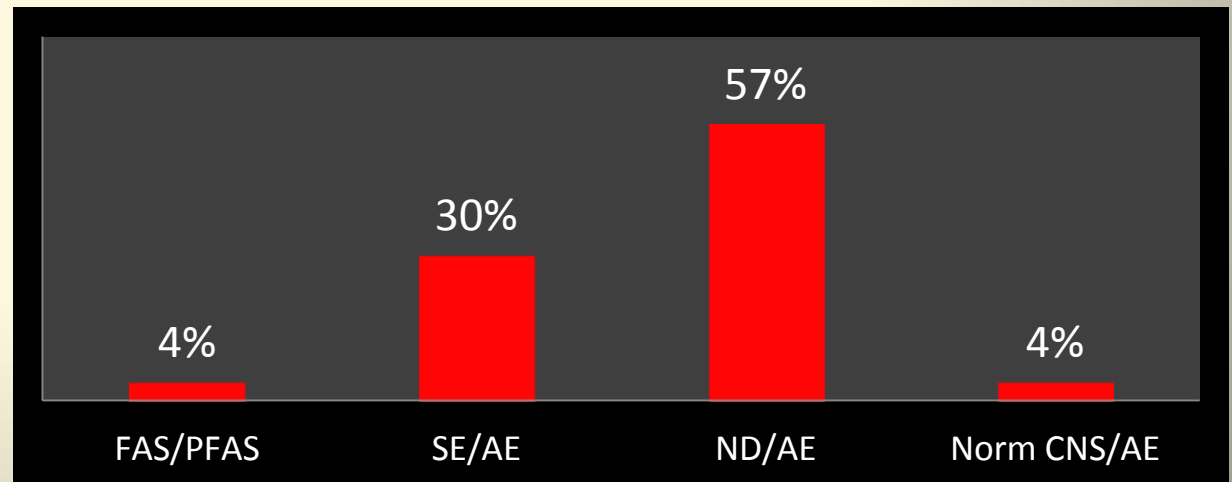
## FASDPN Clinic:

78 % of 2,550 patients had FASD, but many other risk factors were present.



## Primate Study:

91 % had FASD, and NO other risk factors were present.



# Tracking the Prevalence of FASD and Maternal Drinking

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To:

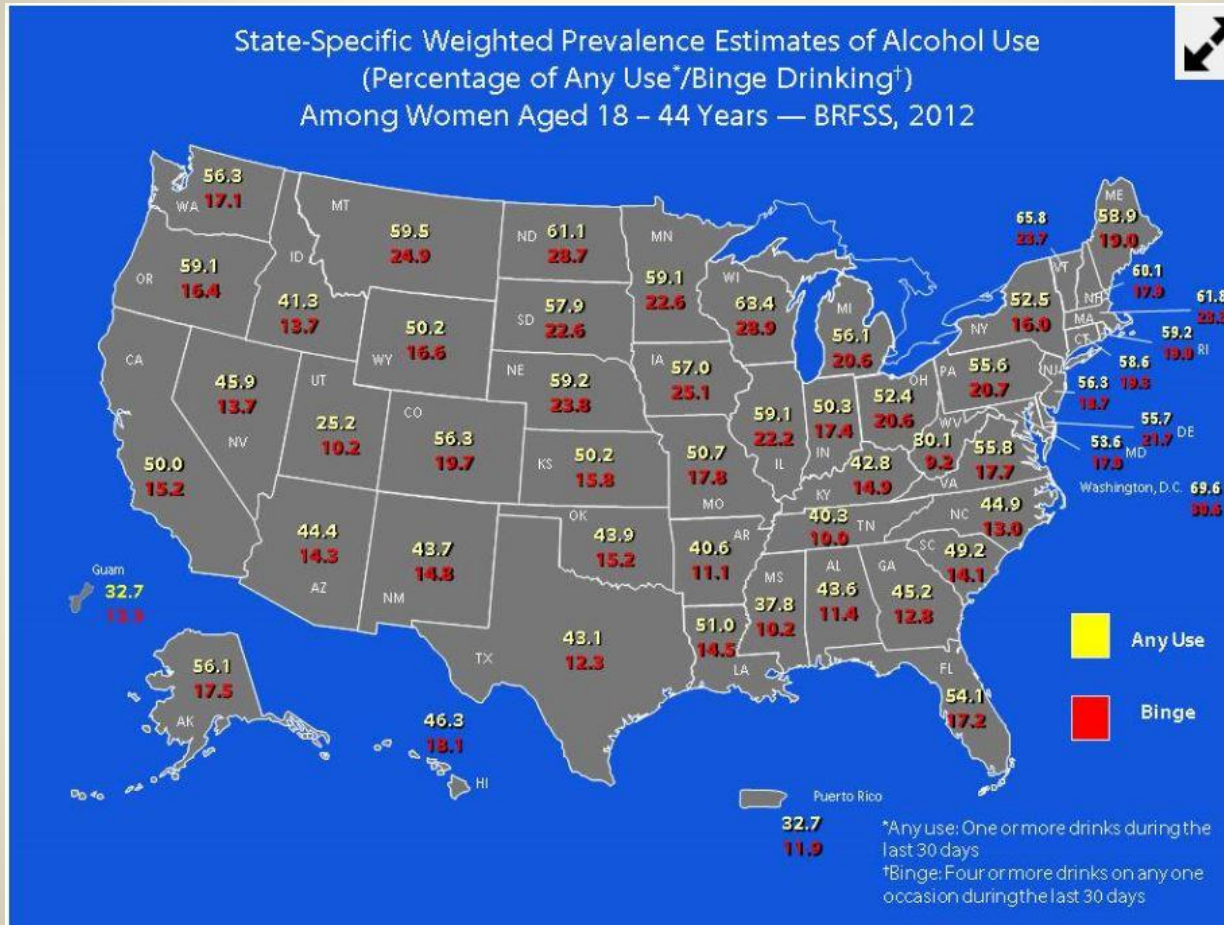
1. Estimate the magnitude of the problem and
2. Determine if prevention efforts are working

You need to track the annual prevalence of:

1. Maternal drinking during pregnancy and
2. FAS/D births

Using accurate and reproducible methods.

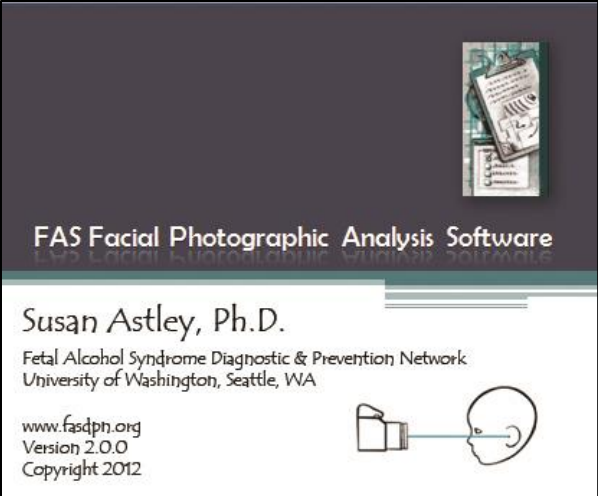
# Annual Prevalence of Drinking among Women in the US



50-60% report drinking  
47% of pregnancies are unplanned.  
12% report drinking during pregnancy

# Tracking FAS in Foster Care

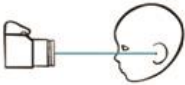
A 10-Year facial photo screening confirmed  
1 out of every 100 children in foster care had FAS in Seattle



FAS Facial Photographic Analysis Software

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[www.fasdph.org](http://www.fasdph.org)  
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## Significant reduction in FAS and Alcohol Use in WA State

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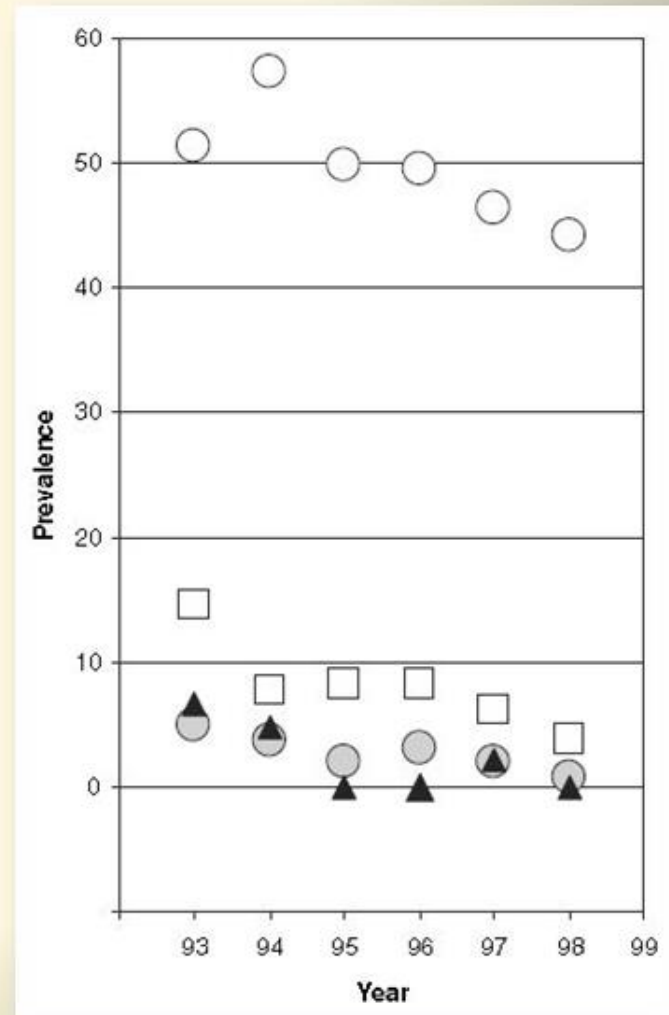
From 1993 to 1999

FAS in Seattle foster care  
dropped:

6.7%  2.1%

Maternal heavy drinking  
during pregnancy in WA  
dropped:

2.5%  0.2%





# References

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[Validation of the fetal alcohol spectrum disorder \(FASD\) 4-Digit Diagnostic Code.](#) J Popul Ther Clin Pharmacol Vol 20(3):e416-467;November 15, 2013.

Astley SJ. **(2004)**

[Fetal alcohol syndrome prevention in Washington State: Evidence of success.](#) Paediatric and Perinatal Epidemiology, 2004;18:344-351.

Astley SJ, Stachowiak J, Clarren SK, Clausen C. **(2002)**

[Application of the fetal alcohol syndrome facial photographic screening tool in a foster care population.](#) Journal of Pediatrics, 2002;141(5):712-7.

<http://www.cdc.gov/ncbddd/fasd/data.html>

<http://www.fasdcenter.samhsa.gov/>