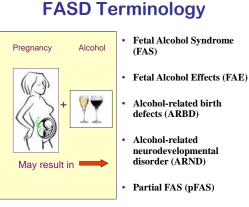


Fetal Alcohol Spectrum Disorders (FASD)

- · An umbrella term describing the range of effects that can occur in an individual whose mother drank alcohol during pregnancy.
- · These effects may include physical, mental, behavioral, and/or learning disabilities with possible lifelong implications.
- Not intended as a clinical diagnosis.

Fetal Alcohol Syndrome (FAS)

- Term first used in 1973 by Drs. Smith and Jones at the University of Washington
- One of the diagnoses used to describe birth defects caused by alcohol use while pregnant
- Characterized by certain facial features
- Only represents a small group of individuals and is not necessarily more severe than other levels of prenatal alcohol exposure
- Is a medical diagnosis (760.71) in the International Classification of Diseases (ICD)



Fetal Alcohol Syndrome

2

Alcohol-related birth

Alcohol-related neurodevelopmental disorder (ARND)

Partial FAS (pFAS)

FASD: What We Know

- 100 percent preventable
- Leading known cause of preventable mental retardation
- · Not caused on purpose
- Can occur in any community where women drink
- · Not caused by paternal alcohol use



3

Number of People With an FASD No one knows for certain how many individuals are born each year with an

- FASD or living with an FASD. It is estimated that 1 in every 1,000
- births has FAS.
- It is estimated that 1 in every 100 births has an FASD.

NOTE: the NYS DOH Birth Defects Registry tracks FAS births only up to age 2



\$0.4 million for loss of productivity

 Potential savings from preventing the birth of one child with FAS is \$850,000

Lupton, Burd, and Harwood (2004)

		(\$ in millio	ne)		
		· ·	,		
Alabama	\$59.0	Kentucky	\$26.1	North Dakota	\$13.
Alaska	\$11.3	Louisiana	\$54.3	Ohio	\$178.
Arizona	\$98.5	Maine	\$26.5	Oklahoma	\$43.
Arkansas	\$29.7	Maryland	\$71.5	Oregon	\$68
California	\$581.3	Massachusetts	\$125.3	Pennsylvania	\$207.
Colorado	\$78.8	Michigan	\$182.9	Rhode Island	\$20.
Connecticut	\$52.0	Minnesota	\$107.4	South Carolina	\$61
Delaware	\$17.6	Mississippi	\$26.0	South Dakota	\$17
Dist. Columbia	\$14.8	Missouri	\$95.7	Tennessee	\$43
Florida	\$259.4	Montana	\$17.1	Texas	\$330
Georgia	\$96.7	Nebraska	\$30.7	Utah	\$27
Hawaii	\$10.4	Nevada	\$46.0	Vermont	\$9.
Idaho	\$18.3	New Hampshire	\$23.1	Virginia	\$118
Illinois	\$226.3	New Jersey	\$97.4	Washington	\$99.
Indiana	\$102.9	New Mexico	\$22.1	West Virginia	\$15.
lowa	\$65.2	New York	\$361.0	Wisconsin	\$133
Kansas	\$40.3	North Carolina	\$81.4	Wyoming	\$9







Drinking Among U.S. Women (age 15 - 44)

- 1 in 2 reports any alcohol use during the past month
- Approximately 1 in 4 reports binge drinking (defined for women as four or more drinks on one occasion)
- About 1 in 20 reports heavy alcohol use (binge drinking on at least 5 days in the last month)



I Emaies	age 18	3-44 years, I	Past M	onth Binge	or
		Heavy Drin	kina		
Alabama	12.6%	Kentucky	6.0%	North Dakota	20.7
Alaska	16.9%	Louisiana	11.3%	Ohio	15.3
Arizona	17.1%	Maine	20.4%	Oklahoma	12.2
Arkansas	10.7%	Maryland	12.1%	Oregon	18.8
California	15.3%	Massachusetts	18.2%	Pennsylvania	17.0
Colorado	16.0%	Michigan	17.7%	Rhode Island	17.8
Connecticut	14.8%	Minnesota	20.0%	South Carolina	14.0
Delaware	20.0%	Mississippi	8.4%	South Dakota	23.6
Dist. Columbia	21.1%	Missouri	16.1%	Tennessee	7.0
Florida	15.5%	Montana	19.2%	Texas	13.7
Georgia	9.9%	Nebraska	17.3%	Utah	10.0
Hawaii	8.6%	Nevada	19.2%	Vermont	16.1
Idaho	12.9%	New Hampshire	17.3%	Virginia	15.0
Illinois	17.0%	New Jersey	11.0%	Washington	15.2
Indiana	16.2%	New Mexico	11.5%	West Virginia	8.1
lowa	22.0%	New York	17.7%	Wisconsin	23.6
Kansas	14.5%	North Carolina	9.1%	Wyoming	18.

Drinking Patterns in Youth

- More than 80 percent of youth have tried alcohol by grade 12 (National Center on Addiction and Substance Abuse: CASA).
- Thirty percent of students had more than five drinks on more than one occasion in the past 30 days (Youth Risk Behavior Surveillance Survey: YRBSS).
- Teens tend to drink larger amounts of alcohol per sitting (CASA).

Sexual Activity by Youth

- Adolescents who drink are more likely to binge drink in early pregnancy compared to adults (Cornelius, et al., 1997).
- Twenty-three percent of sexually active youth report having unprotected sex as a result of alcohol or drug use (CASA).
- Forty-six percent of all high school students in the U.S. have had sexual intercourse (YRBSS).
- Teenagers tend to recognize their pregnancies later than adults (Cornelius, et al., 1997).

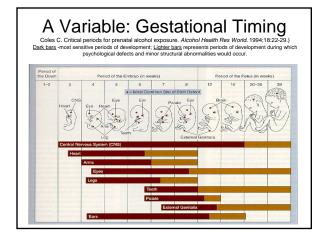
15

Unplanned Pregnancies Pose A Great Challenge for FASD Prevention

14

16

- An estimated 40% of the 60 million US women in their childbearing years do not practice contraception
- Half of all pregnancies in the US are unplanned
- Often women do not know they are pregnant for several weeks (or even months) during which time they may drink alcohol



Prevention Is the Best Cure Ask all women of childbearing age about alcohol use: Ask routinely at every medical appointment. Ask at appointments in various systems. Ask in a nonjudgmental, respectful manner. Use effective screening tools. Ask about possible prenatal exposure.



Talk About Alcohol Use Talk about alcohol's effects on an individual and on a fetus: Begin at an early age, such as elementary school. Indicate that stopping drinking at any time during pregnancy will help the fetus. Torvey the message: If you're pregnant, don't drink. If you drink, don't get

pregnant.

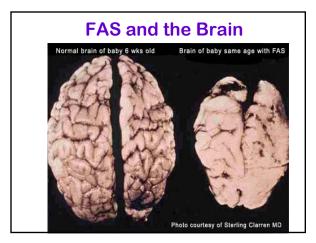


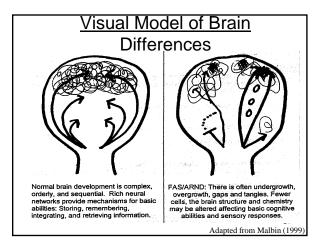
• People with an FASD can grow, improve, and function well in life with proper support.



Brain areas that can be affected by alcohol exposure





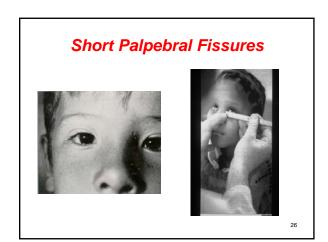


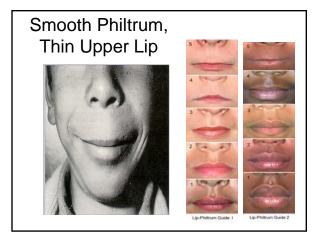
Identifying FAS: What to Look For

- Growth deficiency in height and/or weight
- Specific differences in facial characteristics
- Damage to the central nervous system



• Evidence of mother drinking while pregnants



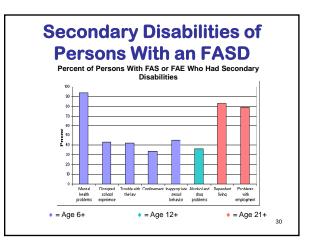


Developmental Skills

Developmental Skills Adapted from research findings of Streissguth, Clarren, et al., by Diane Malbin, 1994

Skill	Developmental Age		
Equivalent	0		
Comprehension	,		
Emotional maturity	•		
Social skills	•		
Money and time concepts Living skills	•		
Reading ability	16 years		
Physical maturity			
Actual age	18 years		
Expressive language	20 years		
		28	





Overall Difficulties for Persons With an FASD

- · Taking in information
- Storing information
- · Recalling information when necessary · Using information appropriately in a specific situation

Typical problems for individuals with an FASD:

Sensory Integration Memory Problems Executive Functioning Self-esteem and personal issues Information Processing functions

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31

33

Infancy & Early Childhood, birth-5 Challenges



- Sensitivity to light, sounds, & touch
- Poor sucking response
- Failure to thrive
- Sleep disturbances
- Delays in walking, talking, toilet training
- Hyperactive
- Irritable
- Temper tantrums

32

Childhood, 6-11 years old Challenges

- Easily influenced
- Attention & memory problems Difficulty with cause & effect,
- consequences
- Easily distracted Delayed physical & cognitive development
- Poor understanding of social rules & expectations
- No sense of boundaries
- Easily victimized by peers



Adolescence, 12-17 years old Challenges



- Attention & memory problems
 - Impulsive
 - Inappropriate social skills
 - Faulty logic
 - Low self-esteem
 - Easily victimized
 - Depression, anxiety

 - Risk of substance abuse
 - Good expressive language/poor comprehension

34

Adulthood, 18+ years Challenges

- Poor comprehension of social expectations
- Social, sexual &/or financial victimization
- Increased expectations by others
- Withdrawal & social isolation
- Daily obstacles-housing, employment, transportation, money



35

New Northrop Grumman Funding Award to OASAS

- Seven states in USA were awarded State subcontracts;
- Project period is February 1, 2008 May 31, 2012;
- Funding level totals \$1.2 million over the subcontract period (dependent upon available funding)
- Our initiative seeks to implement an evidence-based approach called "Project CHOICES," which utilizes Motivational Interviewing to prevent alcohol-exposed pregnancies;
- Three women's residential treatment sites in the Greater NY Metropolitan area will be selected initially, with plans to expand to eight sites by end of the project period; and
- Funding is provided to establish a FASD Task Force to quide the project.

FASD Resources: Web Links

- NYS Office of Alcoholism & Substance Abuse Services (NYS OASAS): www.oasas.state.ny.us/fasd
- SAMHSA FASD Center for Excellence:
- www.fascenter.samhsa.gov
- Centers for Disease Control and Prevention FAS Prevention Team: <u>www.cdc.gov/ncbddd/fas</u>
- National Institute on Alcohol Abuse and Alcoholism (NIAAA): www.niaaa.nih.gov/
- National Organization on Fetal Alcohol Syndrome (NOFAS): <u>www.nofas.org</u>

"Recovering Hope" video

- For use by women in treatment and/or recovery programs
- Is developed in two 1/2 hour parts
- Comes with Facilitator's Discussion Guide
 and brochures

38

 Can be ordered on-line for free from: <u>http://www.ncadi.samhsa.gov</u> (there is also a link from the OASAS web site)

Any questions?

Contact me:

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39