

**This survey asks for information on your knowledge, attitudes and practices about diagnosis, treatment and prevention of Fetal Alcohol Syndrome (FAS) and other prenatal alcohol-related disorders. Please answer the questions by checking the box(es) of the appropriate response(s), by circling the appropriate response(s), or by filling in the blanks. (Family Physicians)**

**1. During a typical work week, what proportion of your time do you spend in the following professional activities? If you do not spend any time in a particular activity, please indicate this by entering zero (0) hours in the appropriate space.**

Activity:	% of Hours:
Direct patient care (self-employed).....	_____
Direct patient care (other than self-employed).....	_____
Administration.....	_____
Academic medicine (medical student or resident teaching).....	_____
Research.....	_____
Fellowship training.....	_____
Other.....	_____
	<b>100%</b>
TOTAL .....	_____

Public reporting burden of this collection of information is estimated to average 25 minutes, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30333; ATTN: PRA (0920-0692)

The following questions are for family physicians who provide some DIRECT PATIENT CARE. If you do NOT provide direct patient care, please check this  box and go to Q# 23.

**GENERAL KNOWLEDGE**

2. What would you estimate the overall prevalence of Fetal Alcohol Syndrome in the United States to be?

- 1 in 10     1 in 100     1 in 1,000     1 in 10,000     1 in 100,000

3. Please check which of the two statements below corresponds most closely with your personal viewpoint. Please pick only ONE box.

- Occasional consumption of alcohol (one drink per day or less) during pregnancy is not harmful to the mother or fetus.
- Pregnant women or women planning to become pregnant should completely abstain from consuming alcohol. **(Skip to Question #4)**



I believe that occasional alcohol consumption is safe during the following trimesters of pregnancy, (check all that apply):

1<sup>st</sup> trimester     2<sup>nd</sup> trimester     3<sup>rd</sup> trimester

4. In your opinion, how many drinks per week can a pregnant woman consume without risk of adverse pregnancy outcomes? (Circle your answer)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14+

5. In your opinion, how many drinks per occasion can a pregnant woman consume without risk of adverse pregnancy outcomes? (Circle your answer)

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14+

6. Please indicate whether you agree or disagree with the following statements:

	Agree	Disagree	Don't Know
FAS occurs at similar rates in all socioeconomic groups of society	1	2	3
FAS occurs at similar rates among all cultures and ethnic groups	1	2	3

**7. Please indicate whether you agree or disagree with the following statements:**

	<b>Agree</b>	<b>Disagree</b>	<b>Don't Know</b>
Alcohol's effect on fetal development remains unclear	1	2	3
Prenatal alcohol exposure is a significant risk factor for permanent brain damage	1	2	3
Alcohol withdrawal in a baby at birth is the worst outcome of prenatal alcohol exposure	1	2	3
Young adults with FAS usually achieve successful independence at the expected time (18 to 21 years)	1	2	3
Early diagnosis and ongoing surveillance of FAS may lead to implementation of secondary prevention of disabilities	1	2	3

**8. Do you consider any of the following problems to be associated with Fetal Alcohol Syndrome?**

	<b>Yes</b>	<b>No</b>	<b>Don't Know</b>
Infantile withdrawal symptoms	1	2	3
Delayed development	1	2	3
Birth defects/malformations	1	2	3
Psychiatric (DSM IV) disorders	1	2	3
Lowered IQ/retardation	1	2	3
<b>Continued on next page</b>			

	<b>Yes</b>	<b>No</b>	<b>Don't Know</b>
Behavioral problems	1	2	3
Low birth weight	1	2	3
Long term emotional disorders	1	2	3
Addictions	1	2	3
Legal problems	1	2	3
Attention deficit hyperactivity disorder	1	2	3

**9. Which of the following are included in the facial dysmorphia associated with Fetal Alcohol Syndrome? (Check all that apply)**

- |   |   |
|---|---|
| <input type="checkbox"/> Large inner canthal distance | <input type="checkbox"/> Short palpebral fissures |
| <input type="checkbox"/> Full lips                    | <input type="checkbox"/> Smooth philtrum          |
| <input type="checkbox"/> Thin upper lip               | <input type="checkbox"/> Flaring nares            |
| <input type="checkbox"/> Don't Know/Unsure            |   |

**10. It is easiest to diagnose FAS at what age?**

- Newborn  Early Childhood  
 Adolescence  Adulthood  
 Don't Know/Unsure

**11. Please indicate whether you agree or disagree with the following statement.**

	Agree	Disagree	Don't Know
Making a diagnosis of FAS stigmatizes the child and family	1	2	3

**DIAGNOSIS & TREATMENT OF WOMEN**

Please consider your own practice over the past 5 years when answering the following questions. If you do not provide prenatal care to women, please check the  box and proceed to Q# 20.

**12. When seeing patients for prenatal care, who would you most likely ask about alcohol use?: (Check ONE box; options continue on next page)**

- With all pregnant women, at the initial visit  
 With pregnant women I suspect might be drinking, at the initial visit  
 With all pregnant women, at the initial visit and at subsequent visits as well  
 With pregnant women I suspect might be drinking, at the initial visit and at subsequent visits as well

**13. When seeing patients, who would you most likely educate about the risk of alcohol use during pregnancy?: (Check ONE box)**

- All pregnant women and all women of childbearing age  
 All pregnant women  
 Pregnant women I knew or suspected to be using alcohol  
 Pregnant women I suspected to be using alcohol AND pregnant women who had risk factors associated with drinking (smokers, substance abusers)

**13a. How do you usually manage pregnant women who report alcohol use? (Check all that apply)**

- Discuss adverse effects  Advise reduction

Advise abstinence

Refer to treatment

Other (please specify) \_\_\_\_\_.

**14. Which of the following methods do you usually use to obtain information about alcohol use? (Check all that apply)**

Physician asks patient during examination  
 Nonphysician staff asks the patient

Patient fills out a questionnaire  
 Use of a screening tool (CAGE, TWEAK, T-ACE, etc.)

**15. If you use one of the screening tools listed above, which do you prefer to use, or which do you use most commonly? (Check ONE box)**

CAGE

MAST

TWEAK

AUDIT

T-ACE

Other (please specify) \_\_\_\_\_

None

**16. During the past 12 months, how many babies have you delivered that you have....(if none, enter "0")**

Number of patients in past 12 months	
suspected as possible FAS?	
recognized as having FAS?	
Number of patients in past 12 months	
diagnosed as FAS?	
referred to confirm a diagnosis of FAS?	
provided care for FAS?	

**17. What are the barriers (if any) in your practice affecting alcohol assessment and management of patient's alcohol use during pregnancy? (Check all that apply)**

Time limitations

Lack of referral sources

Patient sensitivity

Confidentiality issues

Need for additional training to enhance assessment skills

Lack of financial reimbursement

None

**18. What resources do you feel are needed to improve alcohol use assessment in your clinical practice? (Check all that apply)**

Information regarding thresholds for adverse reproductive outcomes

- Referral sources for patients with alcohol problems
- Training and consultation in assessment and counseling
- Reimbursement by insurance and providers for screening and assessment
- Other ( explain) \_\_\_\_\_.

**DIAGNOSIS & TREATMENT OF CHILDREN**

Please consider your own practice over the past 5 years when answering the following questions. If you do not provide primary care to children, please check the  box and proceed to Q# 23.

19. During the past 12 months, how many patients have you... (if none, enter "0")

	Number of patients in past 12 months
suspected as possible FAS?	
recognized as having FAS?	
diagnosed as FAS?	
referred to confirm a diagnosis of FAS?	
provided care for FAS?	

20. Do you make use published diagnostic criteria for FAS in your practice?

Yes.....1                      No.....2

If yes, which one of the following do you use?

- Institute of Medicine criteria
- American Academy of Pediatrics criteria
- Seattle 4 digit diagnostic criteria
- Other (please specify) \_\_\_\_\_

21. Many providers do not make the diagnosis of FAS in their practice. Please indicate which of the following factors may contribute to this situation. (Please select all that apply)

- Lack of time needed to make diagnosis
- Lack of specific training to make the diagnosis
- Belief that making the diagnosis will not make a difference to the individual
- Other (please specify) \_\_\_\_\_

**TRAINING/PERCEIVED COMPETENCE/PERCEIVED NEEDS**

**22. Do you recall receiving any formal training in the following FAS competencies and if so, indicate where you received this training:**

	YES				
	NO	Medical School	Post-grad (residency)	CME (received credit)	Other
Ability to recognize the constellation of features associated with FAS and other alcohol-related effects					
Understanding of the basic biomedical mechanisms that result in FAS					
Ability to select valid and reliable assessment instruments to screen for/diagnose FAS and other alcohol-related disorders					
Ability to identify risk factors and interventions for secondary FAS disabilities					
Ability to plan and perform clinically relevant treatment and management plans to assist and aid both the patient with FAS and their families					
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	YES				
	NO	Medical School	Post-grad (residency)	CME (received credit)	Other
When appropriate, be able to make a referral for further workup in a child with FAS					
Appreciation and ability to use interdisciplinary team evaluations for individuals with FAS					
Ability to assist clients in accessing local FAS-related resources, including family support					
Utilization of techniques for effectively communicating information to individuals with FAS, their family members, and care providers					
Demonstration of the ability to provide ethical protections to the patient with FAS regarding confidentiality and autonomy					

Ability to educate pregnant women about the effects of alcohol on their babies					
Ability to screen women for risky or hazardous drinking					
Ability to conduct alcohol cessation brief interventions					

**23. If you have received any formal training on FAS in any venue (medical school, residency, CME), overall, would you say that training was:**

- Poor
- Fair
- Good
- Excellent

**24. In general, how prepared do you feel to:**

	<b>Very Prepared</b>	<b>Somewhat Prepared</b>	<b>Somewhat Unprepared</b>	<b>Very Unprepared</b>
Diagnose persons with possible FAS or other alcohol-related disorders				
Manage/coordinate the treatment of persons with FAS and other alcohol-related disorders				
	<b>Very Prepared</b>	<b>Somewhat Prepared</b>	<b>Somewhat Unprepared</b>	<b>Very Unprepared</b>
Conduct brief interventions for alcohol abstinence				

**25. Please rate how helpful the following kinds of materials or supports would be to you in your clinical practice.**

	<b>Very Helpful</b>	<b>Somewhat Helpful</b>	<b>Not Very Helpful</b>	<b>Not At All Helpful</b>
Concise provider and staff information on prevention, diagnosis, and intervention on FAS and other alcohol-related disorders				
Patient education materials on the impact of alcohol use during pregnancy on children				
Clinical guidelines for best practices for diagnosis of FAS and other alcohol-related disorders				
Registry of specialists available for				

consultation about FAS and other alcohol-related disorders				
Listing of community-based resources for children with FAS				
Materials for office practice including FAS screening and referral checklists and pocket reminders of diagnostic criteria				

**26. What mechanisms would be most helpful to you for receiving training on FAS prevention, diagnosis, and intervention? (Check all that apply)**

	Very Helpful	Somewhat Helpful	Not Very Helpful	Not At All Helpful
Regional Conferences (CME)				
Internet-based learning opportunities				
On-site training for myself and colleagues				
Self-study materials (eg, CD-ROM, videos)				

**27. Please indicate whether the following types of FAS-related training and educational materials are available in the community where you practice, and whether these resources are helpful, or would be helpful if they became available.**

	Available	Not Available	Very Helpful	Somewhat Helpful	Not Very Helpful	Not At All Helpful
Regional Conferences (CME)						
Internet-based learning opportunities						
	<b>Continued on next page</b>					
	Available	Not Available	Very Helpful	Somewhat Helpful	Not Very Helpful	Not At All Helpful
On-site training for myself and colleagues						
Self-study materials (eg, CD-ROM, Videos)						

**BACKGROUND INFORMATION**

**28. What is your gender?**       Male       Female

**29. What is your primary employment site? (Please select only one)**

- |   |  |
|---|--|
| <input type="checkbox"/> Solo practice / 2 physician practice | <input type="checkbox"/> Community-based health center |
| <input type="checkbox"/> Group practice / Staff model HMO     | <input type="checkbox"/> Other (please specify), _____ |
| <input type="checkbox"/> Medical School or parent university  | _____  |
| <input type="checkbox"/>                                      |  |

Hospital or clinic \_\_\_\_\_

**30. Please check this box if you identify yourself as Hispanic/Latino**

This question is optional, but important to the survey.

Hispanic/Latino

**31. With what racial group do you identify yourself? (Mark all that apply)** This question is optional, but important to the survey.

White

Asian

American Indian/Alaska Native

Native Hawaiian/Pacific Islander

African American

**32. What is your age?**

**33. Years in practice:**

**34. Do you consider your primary employment location to be:** *Check ONE response*

Urban inner city

Rural

Urban not inner city

Suburban

**35. In what area of interest do you spend most of your time?**

Care of children

Care of adults

Care of seniors

Care of pregnant women

Subspecialty area (specify, i.e. sports medicine) \_\_\_\_\_

Some questions from this survey were taken from:

Clarke M, Tough SC. A National Survey Regarding Knowledge and Attitudes of Health Professionals About Fetal Alcohol Syndrome. Health Canada Final Report, January 2003.

Shane T. Diekman, et al. A Survey of Obstetrician-Gynecologists on Their Patient's Alcohol Use During Pregnancy. ACOG. Vol 95, Number 5: 756-763 May 2000