Form Approved: OMB NO. _____ Exp. Date _____

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 circling the number of the appropriate response or by filling in the blanks. (Pediatricians)

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: | %Hours: |
|---|-------------|
| Direct patient care (self-employed) Direct patient care (other than self-employed) | |
| Administration | |
| Research | · |
| Other | |
| TOTAL | <u>100%</u> |

1a. Are you currently in a pediatric residency training program? Yes.....1 No.....2

The following questions are for pediatricians who provide some DIRECT PATIENT CARE. If you do NOT provide direct patient care, please check this box and go to Q# 22

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 |
|------------------|------------|-------------|--------------|
|------------------|------------|-------------|--------------|

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)

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 | Pregnant women or women planning to become pregnant should completely |
|--|--|
| pregnancy is not harmful to the mother or fetus. | abstain from consuming alcohol. (Skip to Question #3) |
| I believe that occasional alcohol consumption i pregnancy, (check all that apply): | s safe during the following trimesters of |
| 1 st trimester 2 nd trim | nester 3 rd trimester |

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

| I | | | | | | | | | | | | | | | |
|---|---|---|---|----|---|---|---|---|---|---|----|----|----|-----|------|
| | Δ | 1 | 2 | 2 | 1 | | C | 7 | 0 | Ω | 10 | 11 | 17 | 17 | 14+ |
| | U | | | .5 | 4 | 5 | n | | 0 | 9 | 10 | | 12 | 1.5 | 14+1 |
| | • | - | _ | 0 | • | - | | | 0 | 0 | | | | 10 | - · |
| 1 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

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

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:

| | Agree | Disagree | Don't Know |
|--|-------|----------|------------|
| 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 |

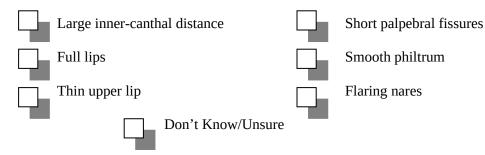
| Young adults with FAS usually achieve successful independence at the expected time (18 to 21 years) | 1 | 2 | 3 |
|---|---|---|---|
| Early diagnosis and ongoing surveillance of FAS may lead to implementation of secondary prevention of disabilities | 1 | 2 | 3 |

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

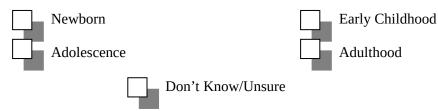
| | Yes | No | Don't Know | |
|---|-----|---------------------|------------|--|
| Infantile withdrawal symptoms | 1 | 2 | 3 | |
| Delayed development | 1 | 2 | 3 | |
| Birth defects/malformations | 1 | 2 | 3 | |
| Psychiatric disorders (DSM-IV criteria) | 1 | 2 | 3 | |
| Lowered IQ/retardation | 1 | 2 | 3 | |
| | | continued next page | | |

| | Yes | No | Don't Know |
|--|-----|----|------------|
| 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)



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



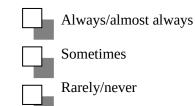
11. Please indicate whether you agree or disagree with the following statement.

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

Please consider your own practice over the past 5 years when answering the following questions. If you do not provide direct patient care, please check the box and proceed to Q# 22

DIAGNOSIS & TREATMENT

12. Do you provide advice and education on the consequences of alcohol use during pregnancy to your adolescent female patients? (Check ONE box)



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

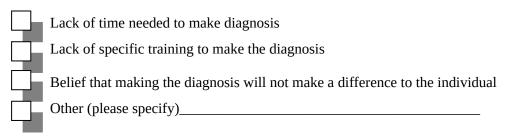
| | Number of patients in past 12 months |
|---|--------------------------------------|
| suspected as having FAS? | |
| recognized as having FAS? | |
| diagnosed as FAS? | |
| referred to confirm a diagnosis of FAS? | |
| provided care for FAS? | |

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

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

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

15. 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)



TRAINING/PERCEIVED COMPETENCE/PERCEIVED NEEDS

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

| | 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 | | | | | | |
| continued on next page | | | | | | |

| | | YES | | | |
|---|----|-------------------|--------------------------|-----------------------|-------|
| | NO | Medical School | Post-grad (residency) | CME (received credit) | Other |
| 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 | | | | | |
| 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 | | |

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



18. In general, how prepared do you feel to:

| | Very Prepared | Somewhat Prepared | Somewhat Unprepared | Very Unprepared |
|---------------------------------|---------------|----------------------|------------------------|--------------------|
| Identify children with possible | | | | |
| FAS or other alcohol-related | | | | |
| disorders | | | | |
| Diagnose children with FAS and | | | | |
| other alcohol-related disorders | | | | |
| Manage/coordinate the treatment | | | | |
| of children with FAS and other | | | | |
| alcohol-related disorders | | | | |

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

| | Very Helpful | Somewhat Helpful | Not Very Helpful | Not At All Helpful |
|--|-----------------|---------------------|---------------------|-----------------------|
| 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 | | | | |

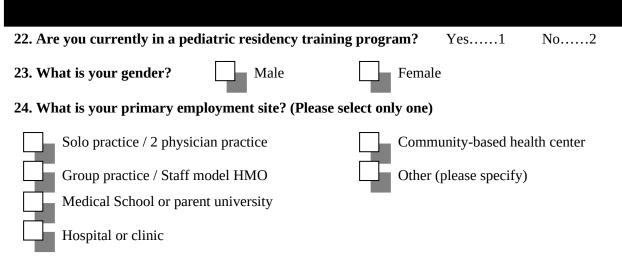
20. What mechanisms would be most helpful to you for receiving training on FAS prevention, diagnosis, and intervention? (Check all that apply)

| | Very Helpful | Somewhat Helpful | 5 | 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) | | | | |

21. 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 | | | | | | |
| On-site training for | | | | | | |
| myself and colleagues | | | | | | |
| Self-study materials (eg, | | | | | | |
| CD-ROM, Videos) | | | | | | |

BACKGROUND INFORMATION



25. Please check this box if you identify yourself as Hispanic/Latino. This question is optional, but important to the survey.



26. 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 |
| African American | Native Hawaiian/Pacific Islander |
| | |
| 27. What is your age? | |
| 28. Years in practice: | |
| 29. Do you consider your primary employment | t location to be: Circle ONE response |



Urban not inner city

Suburban

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



General pediatrics

Subspecialty area (specify)_____

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