



**INDIVIDUAL PROTECTIVE
FACTORS INDEX (IPFI):
A MEASURE OF
ADOLESCENT RESILIENCY**

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THE INDIVIDUAL PROTECTIVE FACTORS INDEX A MEASURE OF ADOLESCENT RESILIENCY

The Individual Protective Factors Index (IPFI) was developed by J. Fred Springer and Joël L. Phillips of EMT Associates, Inc. Development of the IPFI was supported through funding by the National Collegiate Athletic Association and the Office of Community Services in the U. S. Department of Health and Human Services.

The IPFI is a 71-item self-administered questionnaire designed to measure adolescent *resiliency* as defined by ten attitudinal orientations in three major domains (*i.e.*, Social Bonding, Personal Competence, and Social Competence). The measure construct includes those dimensions most prominently referenced in the literature on *protective factors* associated with healthy personal and social development among youths in high risk environments.

The IPFI was developed as a tool for evaluating prevention programs for youth in the 10 to 16 age range. It has been used with older populations, and a version appropriate for younger children (8 to 9) is under development.

Development of the IPFI included a pilot test with 642 youths (10-16) in five sites nationwide, and a validation sample of 2,416 youths in 15 sites nationwide. The instrument has established reliability and validity and is currently being used in more than a dozen evaluation projects in several states.

The authors have developed this overview of the IPFI to facilitate its use by evaluators and other researchers in the prevention field. The instrument may be reproduced or adapted for research purposes. Attribution to the authors should be made using the following reference: Springer, J.F. and Phillips, J.L. Evaluation of the National Collegiate Athletic Association (NCAA) National Youth Sports Program; Evaluation, Management and Training (EMT) Associates, Inc. 1992. The development of the instrument was supported with funding by the NCAA through a grant from the U.S. Department of Health and Human Services. The authors request that researchers who use the IPFI inform us of their experience and findings. This overview includes the following sections:

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1. The Individual Protective Factors Index Questionnaire. The sample questionnaire includes two parts. The first part is the 71-item IPFI measure. Part two of the questionnaire includes respondent profile information and a series of questions concerning risk factors in the respondent's environment. Part Two is not part of the IPFI measure, but was part of the study in which the IPFI was developed. Part two items were used for validation of IPFI subscales.
 2. Reliability of IPFI Dimensions. A table summarizes measures of reliability for IPFI dimensions and the full measure. The IPFI was developed for evaluation purposes, not for diagnostic purposes. Since the analytic focus of evaluation instruments is mean differences, not individual diagnosis, the range of alpha coefficients for subscales indicates adequate inter-item consistency. The coefficients in the table are based on the validation sample of economically disadvantaged youth in 15 sites nationwide.
 3. IPFI Scoring Guide. A guide to scoring IPFI dimensions yields (a) individual dimension scores, (b) a total IPFI score based on the 71 items in the ten dimensions, and an alcohol and other drug attitudes (acceptance) score. Items are all scored so that higher values indicate greater resiliency.
 4. Reliability of Risk Measures. A table summarizes measures of reliability for eight measures of risk in the environment. These measures are not part of the IPFI measure, and researchers may substitute measures of their own preference. Alpha coefficients are based on the validation sample.
 5. Risk Measure Scoring Guide. A guide is provided to score individual risk measures.
 6. Indicators of Construct Validation. A matrix of inter-correlation between IPFI dimensions and risk measures is provided. The overall pattern clearly supports the expected negative relation between risk factors and protective factors. These data are from the national validation sample.

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SECTION 1

INDIVIDUAL PROTECTIVE FACTORS

INDEX QUESTIONNAIRE

INDIVIDUAL PROTECTIVE FACTORS INDEX QUESTIONNAIRE

Before we begin:

Please write your birth date:

[] []

Month Day

Please write your age:

[]

Age

And, please write your initials:

[] []

**First Last
Name Name**

When you are told, tear off this page and hand it in.



Roster Number

The following questions will take approximately 30 minutes to complete. In answering them, we are asking just two things of you.

First: We need you to listen carefully and read along as we go through some questions about you and your family. It is IMPORTANT that you answer every question we read.

Second: IT IS VERY IMPORTANT that you answer each question truthfully. The study cannot help unless you tell the truth. The people who are doing the study cannot know your name because it will not be on the questionnaire.

We are going to read a lot of sentences. For each of these sentences, please read along and check in the box in front of the answer that is closest to how you feel about what the sentence says.

Check YES! If you believe very strongly that the sentence is true for you, that it is the way you feel almost all of the time.

Check yes If you sort of agree that the sentence is true for you, that it is the way you feel most of the time.

Check no If you sort of believe the sentence is false for you, that you do not feel that way most of the time.

Check NO! If you believe very strongly that the sentence is false, that you almost never feel this way.

Let's practice by reading the following sentence:

I like pepperoni pizza.

[] YES! [] yes [] no [] NO!

If you really like pepperoni pizza, it is one of your favorite foods, you would check "YES!", if you really don't like it, you can't stand to eat it, you would check "NO!". If you sort of like it, you would check "yes", if you sort of don't like it, you would check "no".

Okay. We are ready to start.

1.	I can tell my parents the way I feel about things.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
2.	I like to see other people happy.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
3.	Sometimes you have to physically fight to get what you want.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
4.	I will probably die before I am thirty.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
5.	I will always have friends.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
6.	I like to help around the house.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
7.	I might smoke cigarettes when I get older.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
8.	I really want to graduate from college.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
9.	I like the way I act.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
10.	I get mad easily.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
11.	I get along well with other people.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
12.	Being part of a team is fun.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
13.	Grown-ups seem to have fun when they drink alcohol.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
14.	My family expects too much of me.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
15.	People usually like me.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
16.	Other people decide what happens to me.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
17.	I think I will have a nice family when I get older.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
18.	If I disagree with a friend, I can tell them.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
19.	Drinking alcohol is bad for your health.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
20.	Finishing high school is important.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
21.	Sometimes I am ashamed of my parents.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
22.	I can be trusted.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
23.	I am afraid my life will be unhappy.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
24.	I like being around people.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
25.	I will probably drink alcohol when I am old enough.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
26.	School is a waste of time.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
27.	It is important to think before you act.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
28.	Bad things happen to people like me.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
29.	Helping others makes me feel good.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
30.	My family has let me down.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
31.	Following the rules is stupid.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
32.	My life is all mixed up.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
33.	I do whatever I feel like doing.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
34.	If I have a reason, I will change my mind.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
35.	It is hard for me to make friends.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!
36.	It's okay to use drugs if you don't get caught.	<input type="checkbox"/> YES!	<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> NO!

37.	I try hard to do well in school.	[] YES!	[] yes	[] no	[] NO!
38.	I like to do things with my family.	[] YES!	[] yes	[] no	[] NO!
39.	Most people can be trusted.	[] YES!	[] yes	[] no	[] NO!
40.	I can do most things I try.	[] YES!	[] yes	[] no	[] NO!
41.	If I study hard, I will get better grades.	[] YES!	[] yes	[] no	[] NO!
42.	When I am mad, I yell at people.	[] YES!	[] yes	[] no	[] NO!
43.	I think I can have a nice house when I grow up.	[] YES!	[] yes	[] no	[] NO!
44.	If I don't understand something, I will ask for an explanation.	[] YES!	[] yes	[] no	[] NO!
45.	My friends respect me.	[] YES!	[] yes	[] no	[] NO!
46.	I always like to do my part.	[] YES!	[] yes	[] no	[] NO!
47.	It is more important to play fair than to win.	[] YES!	[] yes	[] no	[] NO!
48.	Sometimes I break things on purpose.	[] YES!	[] yes	[] no	[] NO!
49.	I will probably never have enough money.	[] YES!	[] yes	[] no	[] NO!
50.	I am often too embarrassed to ask questions.	[] YES!	[] yes	[] no	[] NO!
51.	I often feel lonely.	[] YES!	[] yes	[] no	[] NO!
52.	If I have a chance, I might try drugs.	[] YES!	[] yes	[] no	[] NO!
53.	A lot of days I would rather not go to school.	[] YES!	[] yes	[] no	[] NO!
54.	There is some good in everybody.	[] YES!	[] yes	[] no	[] NO!
55.	When I try to be nice, people notice.	[] YES!	[] yes	[] no	[] NO!
56.	I hate being in front of a group.	[] YES!	[] yes	[] no	[] NO!
57.	It is important to do your part in helping at home.	[] YES!	[] yes	[] no	[] NO!
58.	If you work hard, you will get what you want.	[] YES!	[] yes	[] no	[] NO!
59.	Marijuana makes you happy.	[] YES!	[] yes	[] no	[] NO!
60.	I would like to quit school as soon as I can.	[] YES!	[] yes	[] no	[] NO!
61.	People usually drink alcohol at good parties.	[] YES!	[] yes	[] no	[] NO!
62.	I can't wait to be old enough to drink.	[] YES!	[] yes	[] no	[] NO!
63.	I am curious about alcohol and drugs.	[] YES!	[] yes	[] no	[] NO!
64.	I enjoy talking with my family.	[] YES!	[] yes	[] no	[] NO!
65.	Helping others is very satisfying.	[] YES!	[] yes	[] no	[] NO!
66.	I like the way I look.	[] YES!	[] yes	[] no	[] NO!
67.	If I feel like it, I hit people.	[] YES!	[] yes	[] no	[] NO!
68.	To make a good decision it is important to think about what will happen afterwards.	[] YES!	[] yes	[] no	[] NO!
69.	I often disappoint people.	[] YES!	[] yes	[] no	[] NO!
70.	I don't like most people.	[] YES!	[] yes	[] no	[] NO!
71.	I am responsible for what happens to me.	[] YES!	[] yes	[] no	[] NO!

We will now start the second part of the questionnaire. We will be done soon. Remember that it is very important that you answer each question. The answers for these questions are different than those we just finished, so we have to read them very carefully. Okay, we are ready to start!

First, we need some information about you.

1. Are you a ☐ Boy ☐ Girl
2. What is your grade in school?
☐ Third ☐ Fifth ☐ Seventh ☐ Ninth
☐ Fourth ☐ Sixth ☐ Eighth ☐ Tenth
☐ Other _____
3. What is your age in years? _____ years
4. What is your race?
☐ African American ☐ Latino/Latina, Hispanic
☐ White ☐ Asian or Pacific Islander
☐ American Indian ☐ Other _____
5. Where you are living now, what adults live with you (check all that are true)?
☐ Your Mother ☐ Your Father
☐ Your Stepmother ☐ Your Stepfather
☐ Other Adult Relatives ☐ Other Adults
such as grandmother or aunt
6. How many brothers and sisters do you have? []
7. How many children live with you at home? []

Now, we would like some information about your family and your neighborhood.

8. Here is a list of things that are true in some families and not in others. Please answer "yes" if each statement is usually true of your family, and "no" if it is not.

The rules in our house are clear.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
I have a clear time when I have to be home.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
I have a regular time and place to do homework.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
My parents often do not know where I am.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
When I do something wrong,				
I don't know what my parents will do.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
I have regular chores to do at home.	<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
9. Here are some other things that happen in some families and do not happen in others. Please indicate whether these things happen in your family all the time (that is, every day or almost every day); often (once a week or so); not very often (less than once a week); or never. If you do not live with your parents, think of the adult(s) who you do live with when we ask about parents.

	<u>All the Time</u>	<u>Often</u>	<u>Not Very Often</u>	<u>Never</u>
The whole family eats dinner together.	[]	[]	[]	[]
Parents help you with your homework.	[]	[]	[]	[]
You go to a movie or out to dinner with your parents.	[]	[]	[]	[]
Family members argue.	[]	[]	[]	[]
You talk to your parents about school.	[]	[]	[]	[]
10. How would your parents feel if you used alcohol and then he or she knew about it?				
[] Disapprove Strongly	[] Disapprove Some	[] Would Not Care Much		
11. How would your parents feel if you used drugs and then he or she knew about it?				
[] Disapprove Strongly	[] Disapprove Some	[] Would Not Care Much		
12. This year have you done the following?				
Go to church or Sunday school	[] Yes	[] No		
Play on organized sports teams for kids	[] Yes	[] No		
Belong to any other clubs like Scouts, "Y", Campfire Girls	[] Yes	[] No		
Belong to a gang	[] Yes	[] No		
13. Have you ever wished that either one or both of your parents would drink less?				
[] Yes	[] No	[] No, my parents do not drink		
14. The following list indicates things that might happen to kids, or things that kids might do. Please indicate whether you have done these things three or more times in the last year, only once or twice or not at all.				
	<u>3 or More Times</u>	<u>Once or Twice</u>	<u>Not At All</u>	
Got sent to the principal's office or had detention	[]	[]	[]	
Skipped school for a whole day	[]	[]	[]	
Purposely damaged other people's property	[]	[]	[]	
Stole something	[]	[]	[]	
Got into a fist fight	[]	[]	[]	
Tried drugs such as marijuana, cocaine or LSD	[]	[]	[]	
Got stopped by the police	[]	[]	[]	
Had a little bit of beer, wine or wine coolers, one or two drinks	[]	[]	[]	
Smoked cigarettes	[]	[]	[]	
Had a lot of beer, wine or wine coolers, more than two drinks	[]	[]	[]	
Gone to class high on alcohol or drugs	[]	[]	[]	
Been in a car with an adult who was drinking	[]	[]	[]	
Chewed or dipped tobacco	[]	[]	[]	

	<u>3 or More Times</u>	<u>Once or Twice</u>	<u>Not At All</u>
Sniffed glue or paint to get high	[]	[]	[]
Talked back to a teacher	[]	[]	[]
Argued with your parents	[]	[]	[]
Broken into a house or store	[]	[]	[]
Been around other kids who were drinking alcohol	[]	[]	[]
Been around other kids who were using illegal drugs	[]	[]	[]

15. Next, we have some questions about your closest friends, say your four or five closest friends. Would you say most of them, some of them or none of them do each of the following things.

	<u>Most</u>	<u>Some</u>	<u>None</u>
Study hard at school	[]	[]	[]
Go to church	[]	[]	[]
Smoke cigarettes	[]	[]	[]
Drink beer or wine once in a while	[]	[]	[]
Try drugs like marijuana or cocaine once in a while	[]	[]	[]
Like school a lot	[]	[]	[]
Get along with their parents really well	[]	[]	[]

16. Here is a list of things that happen in many neighborhoods. Please indicate how often these things happen in your neighborhood. Do they happen all the time (that is, every day or almost every day); often (once a week or so); not very often (less than once a week); or never.

	<u>All the Time</u>	<u>Often</u>	<u>Not Very Often</u>	<u>Never</u>
You talk to your neighbors	[]	[]	[]	[]
You see people drinking alcohol on the street	[]	[]	[]	[]
Someone gets robbed	[]	[]	[]	[]
Someone offers you drugs	[]	[]	[]	[]
You see someone using drugs	[]	[]	[]	[]
Kids play sports together	[]	[]	[]	[]
You see the police arrest someone	[]	[]	[]	[]
You eat at a friend's house	[]	[]	[]	[]
People help each other	[]	[]	[]	[]
Someone offers you alcohol	[]	[]	[]	[]
You see a fight	[]	[]	[]	[]

**YOU ARE DONE!
THANK YOU VERY MUCH FOR HELPING!**

Roster Number

SECTION 2

INDIVIDUAL PROTECTIVE FACTORS INDEX:

RELIABILITY OF DIMENSIONS

INDIVIDUAL PROTECTIVE FACTORS INDEX: RELIABILITY OF DIMENSIONS (n= 2,416)

<i>DOMAIN</i>	<i>DIMENSION</i>	<i>NUMBER OF ITEMS</i>	<i>ALPHA COEFFICIENT</i>
SOCIAL BONDING			
	School	6	.61
	Family	6	.58
	Pro-Social Norms	6	.48
PERSONAL COMPETENCE			
	Self-Concept	6	.58
	Self-Control	6	.65
	Self-Efficacy	7	.56
	Positive Outlook	6	.56
SOCIAL COMPETENCE			
	Assertiveness	6	.46
	Confidence	6	.59
	Cooperation	6	.65
TOTAL IPFI			.93

SECTION 3

INDIVIDUAL PROTECTIVE

FACTORS INDEX

SCORING GUIDE

INDIVIDUAL PROTECTIVE FACTORS INDEX

ITEM SCORING GUIDE

#	SOCIAL BONDING: SCHOOL	YES!	yes	no	NO!	Item Scores
8	I really want to graduate from college.	4	3	2	1	
20	Finishing high school is important.	4	3	2	1	
26*	School is a waste of time.	1	2	3	4	
37	I try hard to do well in school.	4	3	2	1	
53*	A lot of days I would rather not go to school.	1	2	3	4	
60*	I would like to quit school as soon as possible.	1	2	3	4	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						

* Reversed items

#	SOCIAL BONDING: FAMILY	YES!	yes	no	NO!	Item Scores
1	I can tell my parents the way I feel about things.	4	3	2	1	
14*	My family expects too much of me.	1	2	3	4	
21*	Sometimes I am ashamed of my parents.	1	2	3	4	
30*	My family has let me down.	1	2	3	4	
38	I like to do things with my family.	4	3	2	1	
64	I enjoy talking with my family.	4	3	2	1	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						

* Reversed items

#	SOCIAL BONDING: PRO-SOCIAL NORMS	YES!	yes	no	NO!	Item Scores
2	I like to see other people happy.	4	3	2	1	
31*	Following the rules is stupid.	1	2	3	4	
39	Most people can be trusted.	4	3	2	1	
47	It is more important to play fair than to win.	4	3	2	1	
54	There is some good in everybody.	4	3	2	1	
70*	I don't like most people.	1	2	3	4	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						

* Reversed items

#	PERSONAL COMPETENCE: SELF-CONCEPT	YES!	yes	no	NO!	Item Scores
9	I like the way I act.	4	3	2	1	
15	People usually like me.	4	3	2	1	
22	I can be trusted.	4	3	2	1	
32*	My life is all mixed up.	1	2	3	4	
40	I can do most things I try.	4	3	2	1	
66	I like the way I look.	4	3	2	1	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						

* Reversed items

#	PERSONAL COMPETENCE: SELF-CONTROL	YES!	yes	no	NO!	Item Scores
3*	Sometimes you have to physically fight to get what you want.	1	2	3	4	
10*	I get mad easily.	1	2	3	4	
33*	I do whatever I feel like doing.	1	2	3	4	
42*	When I am mad, I yell at people.	1	2	3	4	
48*	Sometimes I break things on purpose.	1	2	3	4	
67*	If I feel like it, I hit people.	1	2	3	4	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						

* Reversed items

#	PERSONAL COMPETENCE: POSITIVE OUTLOOK	YES!	yes	no	NO!	Item Scores
4*	I will probably die before I am thirty.	1	2	3	4	
17	I think I will have a nice family when I get older.	4	3	2	1	
23*	I am afraid my life will be unhappy.	1	2	3	4	
28*	Bad things happen to people like me.	1	2	3	4	
43	I think I can have a nice house when I grow up.	4	3	2	1	
49*	I will probably never have enough money.	1	2	3	4	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						

* Reversed items

#	PERSONAL COMPETENCE: SELF-EFFICACY	YES!	yes	no	NO!	Item Scores
16*	Other people decide what happens to me.	1	2	3	4	
27	It is important to think before you act.	4	3	2	1	
41	If I study hard, I will get better grades.	4	3	2	1	
55	When I try to be nice, people notice.	4	3	2	1	
58	If you work hard, you will get what you want.	4	3	2	1	
68	To make a good decision, it is important to think.	4	3	2	1	
71	I am responsible for what happens to me.	4	3	2	1	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 7) = []						

* Reversed items

#	SOCIAL COMPETENCE: ASSERTIVENESS	YES!	yes	no	NO!	Item Scores
18	If I disagree with a friend, I tell them.	4	3	2	1	
34	If I have a reason, I will change my mind.	4	3	2	1	
44	If I don't understand something, I will ask for an explanation.	4	3	2	1	
50*	I am often too embarrassed to ask questions.	1	2	3	4	
56*	I hate being in front of a group.	1	2	3	4	
69*	I often disappoint people.	1	2	3	4	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						

* Reversed items

#	SOCIAL COMPETENCE: CONFIDENCE	YES!	yes	no	NO!	Item Scores
5	I will always have friends.	4	3	2	1	
11	I get along well with other people.	4	3	2	1	
24	I like being around people.	4	3	2	1	
35*	It is hard for me to make friends.	1	2	3	4	
45	My friends respect me.	4	3	2	1	
51*	I often feel lonely.	1	2	3	4	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						

* Reversed items

#	SOCIAL COMPETENCE: COOPERATION/CONTRIBUTION	YES!	yes	no	NO!	Item Scores
6	I like to help around the house.	4	3	2	1	
12	Being part of a team is fun.	4	3	2	1	
29	Helping others makes me feel good.	4	3	2	1	
46	I always like to do my part.	4	3	2	1	
57	It is important to do your part in helping at home.	4	3	2	1	
65	Helping others is very satisfying.	4	3	2	1	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 6) = []						
TOTAL IPFI SCORE (SUM OF ALL RAW SCALE SCORES [] ÷ 61) = []						

* Reversed items

#	ATTITUDES CONCERNING ALCOHOL AND OTHER DRUGS	YES!	yes	no	NO!	Item Scores
7*	I might smoke when I get older.	1	2	3	4	
13*	Grown-ups seem to have fun when they drink alcohol.	1	2	3	4	
19	Drinking alcohol is bad for your health.	4	3	2	1	
25*	I will probably drink alcohol when I am old enough.	1	2	3	4	
36*	It's okay to use drugs if you don't get caught.	1	2	3	4	
52*	If I have a chance, I might try drugs.	1	2	3	4	
59*	Marijuana makes you happy.	1	2	3	4	
61*	People usually drink at good parties.	1	2	3	4	
62*	I can't wait to be old enough to drink.	1	2	3	4	
63*	I am curious about alcohol and other drugs.	1	2	3	4	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []						
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 10) = []						

* Reversed items

SECTION 4

IPFI QUESTIONNAIRE COMPOSITE
MEASURES OF RISK:

RELIABILITY MEASURES

**IPFI QUESTIONNAIRE COMPOSITE MEASURES OF RISK:
RELIABILITY MEASURES**

<i>RISK FACTOR</i>	<i>NUMBER OF ITEMS</i>	<i>ALPHA COEFFICIENT</i>
FAMILY		
Family Supervision	4	.35
Family Interaction	4	.64
PEER GROUP		
Positive Peer Associations	4	.59
Peer AOD Use	3	.65
ENVIRONMENT		
Neighborhood Environmental Risk	7	.81
AOD Use Exposure	3	.72
PERSONAL BEHAVIOR		
Risk Behaviors	9	.80
Self-Reported AOD Use	5	.72

SECTION 5

EMT RISK MEASURES ADDENDUM

SCORING GUIDE

EMT RISK MEASURES ADDENDUM SCORING GUIDE

<i>FAMILY ENVIRONMENT: SUPERVISION</i>	<i>Yes</i>	<i>No</i>	<i>Item Score</i>
The rules in our house are clear.	1	0	
I have regular chores to do at home.	1	0	
I have a clear time when I have to be home.	1	0	
I have a regular time and place to do homework.	1	0	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []			
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 4) = []			

<i>FAMILY ENVIRONMENT: INTERACTION</i>	<i>All the time</i>	<i>Often</i>	<i>Not very often</i>	<i>Never</i>	<i>Item Score</i>
You talk to your parents about school.	4	3	2	1	
Parents help you with your homework.	4	3	2	1	
The whole family eats dinner together.	4	3	2	1	
You go to a movie or out to dinner with your parents.	4	3	2	1	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []					
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 4) = []					

<i>POSITIVE PEER ASSOCIATIONS</i>	<i>Most</i>	<i>Some</i>	<i>None</i>	<i>Item Score</i>
Study hard at school	3	2	1	
Get along with their parents really well	3	2	1	
Go to church	3	2	1	
Like school a lot	3	2	1	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []				
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 4) = []				

PEER ATOD USE	<i>Most</i>	<i>Some</i>	<i>None</i>	<i>Item Score</i>
Drink beer or wine once in a while	1	2	3	
Smoke cigarettes	1	2	3	
Try drugs like marijuana or cocaine once in a while	1	2	3	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []				
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 3) = []				

NEIGHBORHOOD ENVIRONMENT	<i>All the time</i>	<i>Often</i>	<i>Not very often</i>	<i>Never</i>	<i>Item Score</i>
Kids play sports together	4	3	2	1	
You talk to your neighbors	4	3	2	1	
People help each other	4	3	2	1	
You see a fight.	1	2	3	4	
You see people drinking alcohol on the street.	1	2	3	4	
You see the police arrest someone.	1	2	3	4	
Someone gets robbed.	1	2	3	4	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []					
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 7) = []					

AOD USE EXPOSURE	<i>3 or more times</i>	<i>Once or twice</i>	<i>Not at all</i>	<i>Item Score</i>
Been around other kids who were drinking alcohol	1	2	3	
Been in a car with an adult who was drinking	1	2	3	
Been around other kids who were using illegal drugs	1	2	3	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []				
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 3) = []				

SELF-REPORTED BEHAVIORS: RISK BEHAVIOR	<i>3 or more times</i>	<i>Once or twice</i>	<i>Not at all</i>	<i>Item Score</i>
Got sent to the principal's office or had detention	1	2	3	
Got into a fist fight	1	2	3	
Argued with your parents	1	2	3	
Talked back to a teacher	1	2	3	
Stole something	1	2	3	
Purposely damaged other people's property	1	2	3	
Got stopped by the police	1	2	3	
Skipped school for a whole day	1	2	3	
Broken into a house or store	1	2	3	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []				
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 9) = []				

SELF-REPORTED BEHAVIORS: ALCOHOL AND OTHER DRUG USE	<i>3 or more times</i>	<i>Once or twice</i>	<i>Not at all</i>	<i>Item Score</i>
Had a little bit of beer, wine, or wine coolers, one or two drinks	1	2	3	
Had a lot of beer, wine, or wine coolers, more than two drinks	1	2	3	
Sniffed glue or paint to get high	1	2	3	
Gone to class high on alcohol or drugs	1	2	3	
Tried drugs such as marijuana, cocaine, or LSD	1	2	3	
RAW SCALE SCORE (SUM OF ITEM SCORES) = []				
ADJUSTED SCALE SCORE (RAW SCALE SCORE ÷ 5) = []				

SECTION 6

**CONSTRUCT VALIDATION –
PATTERNS OF ASSOCIATION BETWEEN
RISK AND PROTECTIVE FACTORS**

CONSTRUCT VALIDATION
PATTERNS OF ASSOCIATION BETWEEN RISK AND PROTECTIVE FACTORS

RISK FACTORS	PROTECTIVE FACTORS									
	Social Bonding			Personal Competence				Social Competence		
	School	Family	Pro-Social Norms	Self-Concept	Self-Control	Self-Efficacy	Positive Outlook	Assertiveness	Confidence	Cooperation
Family Supervision	-.207	-.285	-.231	-.243	-.213	-.180	-.118	-.163	-.133	-.319
Family Interaction	-.169	-.376	-.226	-.243	-.203	-.110	-.102	-.158	-.142	-.299
Positive Peers	-.312	-.312	-.314	-.293	-.267	-.195	-.160	-.231	-.227	-.369
Peer AOD Use	-.339	-.218	-.221	-.168	-.255	-.211	-.247	.176	.138	.171
Neighborhood Risk	-.219	-.154	-.170	-.039	-.293	-.112	-.191	-.148	-.121	-.067
AOD Use Exposure	-.293	-.224	-.224	-.133	-.238	-.138	.180	-.122	-.123	-.185
Personal Risk Behaviors	-.379	-.309	-.324	-.199	-.451	-.201	-.219	-.231	-.151	-.282
AOD Attitudes/Non-Use	.578	.361	.469	.305	.438	.412	.433	.323	.297	.351