

INSTITUTE OF
BEHAVIORAL SCIENCE

UNIVERSITY OF COLORADO
at BOULDER

College Tobacco Study
Personal and Social Development at CU
Spring 2003

Questionnaire Guide

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This guide provides documentation for the measures contained in the Wave-2 (Spring 2003) *Survey of Personal and Social Development at CU*. The majority of single-item and multiple-item measures are presented in the order in which they occur in the questionnaire. Multiple-item measures that contain items located throughout the questionnaire are presented at the end of the document. Measures of psychosocial protection, psychosocial risk, behavioral protection, and behavioral risk are marked in boldface type and designated, in brackets, as either protective factors [P] or risk factors [R]. The measures of protection and risk were used in analyses reported in the following publications:

1. Costa, F. M., Jessor, R., & Turbin, M. S. (in press). College student involvement in cigarette smoking: The role of psychosocial and behavioral protection and risk. *Nicotine & Tobacco Research*.
2. Jessor, R., Costa, F. M., Krueger, P. M., & Turbin, M. S. (2006). A developmental study of heavy episodic drinking among college students: The role of psychosocial and behavioral protective and risk factors. *Journal of Studies on Alcohol*, 67, 86-94.

Because the focus of these two published studies differed from one another, different measures of protection and risk were used in each. To assist readers who are interested in specific protection and risk measures reported in a particular publication, numerical superscripts matched to the numbers assigned to the two publications listed above are used to designate the paper in which each protection and risk measure presented in this guide was used.

	Cronbach's <u>Alpha</u>	No. Of <u>Items</u>	Page <u>No.</u>	<u>Items</u>
Value on health	.89	5	1	1-5
Compared health status	-	1	1	6
Compared physical status	-	1	1	7
Height in inches	-	1	1	8
Weight in pounds	-	1	1	9
Attitude towards present weight	-	1	1	10
Usual hours sleep, school night	-	1	2	11
Perceived health effects of insufficient sleep	-	1	2	12
Perceived health effects of overweight	-	1	2	13
Frequency of brushing teeth	-	1	2	14
Frequency of flossing teeth	-	1	2	15
Gender	-	1	2	1
Date of birth	-	1	2	2
Year in college	-	1	2	3
Grades last semester¹ [P]	-	1	2	4
Permanent residence	-	1	2	5
Home town rural/urban	-	1	3	6
Current residence	-	1	3	7
“Substance-free” housing	-	1	3	8a
Requested substance-free housing	-	1	3	8b

	Cronbach's <u>Alpha</u>	No. Of <u>Items</u>	Page <u>No.</u>	<u>Items</u>
Marital status	-	1	3	9
Children	-	1	3	10
Race/ethnicity	-	1	3	11
Marital status of parents	-	1	3	12
Father's education	-	1	3	13
Mother's education	-	1	3	13
Employment status-father	-	1	4	14
Father's occupation	-	1	4	15
Employment status-mother	-	1	4	16
Mother's occupation	-	1	4	17
Family income 2002	-	1	4	18
How education paid for	-	1	4	19
Greek involvement	-	1	4	20
Self-esteem.	.71	8	5	1-8
Hours spent doing physical exercise per week	-	1	6	1
Hours spent on homework per week	-	1	6	2
Hours spent watching TV per week	-	1	6	3
Hours spent in Greek life per week	-	1	6	4
Hours spent volunteering per week	-	1	6	5
Hours spent participating in arts per week	-	1	6	6

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Hours spent playing on computer per week	-	1	6	7
Hours spent partying per week	-	1	6	8
Hours spent working in politics per week	-	1	6	9
Hours spent at paying job per week	-	1	6	10
Frequency of movies/plays, past month	-	1	6	12
Frequency going to mountains, past month	-	1	6	13
Number of books read, past month	-	1	6	14
Interest in world events	-	1	6	15
Frequency of aerobic exercise, past month	.89	3	7	1-3
Family models for sedentary behavior	-	1	7	4
Friends models for sedentary behavior	-	1	7	5
Perceived health effects of insufficient exercise	-	1	7	6
Ever smoked cigarettes	-	1	8	1
Age first smoked cigarettes	-	1	8	2
Age started smoking regularly	-	1	8	3
Smoking involvement, last year of high school	-	1	8	4
Usual number of cigarettes smoked per day, past month	-	1	8	5
Smoking Involvement² [R] (never-smokers are assigned a score of "0")	-	1	8	5
Smoking dependence	.80	6	8	6a-6f

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Only smoke when drink	-	1	8	6g
Friends suggest quitting	-	1	9	7
Tried to quit smoking	-	1	9	8
Quit smoking in past month	-	1	9	10
Positive functions of smoking	.89	10	9	11a-11i
Negative functions of smoking	.82	7	10	12a-12g
Self-described smoking involvement	-	1	10	13
Family models for smoking – in adolescence	-	1	10	14
Family models for smoking -- current	-	1	10	15
Parental disapproval of smoking	-	1	10	16
Friends' disapproval of smoking	-	1	10	17
Friends models for smoking	.67	2	10-11	18, 19
Peer pressure to smoke	-	1	11	20
CU sanctions against smoking	-	1	11	21
Friends controls against smoking	-	1	11	22
Perceived health effects of smoking	-	1	11	23
Ever smoked cigars	-	1	11	24
Frequency of smoking cigars, past month	-	1	11	25
Ever chewed tobacco	-	1	11	26
Frequency of chewing tobacco, past month	-	1	11	27

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Value on academic achievement	.74	4	12	1-4
Attitude toward school	.75	3	12	5-7
Teacher support	.76	2	12	8, 9
CU provides rules about alcohol use	-	1	12	10a
CU provides rules about tobacco use	-	1	12	10b
CU provides rules about cheating	-	1	12	10c
CU provides rules about penalties for breaking rules	-	1	12	10d
CU provides info about getting help for alcohol problems	-	1	12	10e
CU provides info about getting help for smoking	-	1	12	10f
CU provides info about alcohol health effects	-	1	12	10g
CU provides info about smoking health effects	-	1	12	10h
CU sanctions against cheating	-	1	12	11
Friends' controls against cheating	-	1	12	12
If under 21, would be asked for ID	-	1	13	13a
If under 21, would be refused sale of alcohol	-	1	13	13b
If under 21, would get in trouble for drinking in the dorms	-	1	13	14a
If under 21, would get in trouble for drinking at a frat or sorority party.	-	1	13	14b
If under 21, would get in trouble for drinking at a non-Greek party	-	1	13	14c

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
If under 21, would get in trouble for drinking a bar or club	-	1	13	14d
Student disapproval of risk behavior	.72	7	13	15 (a, c, d, f, g, i, k)
Student approval of conventional behavior	.75	4	13	15 (b, e, h, j)
Religiosity	.94	4	14	1(a-d)
Frequency of church attendance, past month ^{1,2} [P]	-	1	14	2
Political point of view	-	1	14	3
Time spent on politics each week	-	1	14	4
Friends models for conventional behavior	.63	5	15	1 (b, c, d, e, f)
Friends models for health behavior	.64	5	15	1 (a, g, h, i, j)
Models protection/peers ¹ [P]	.74	8	15	1b-1i
Models protection/peers ² [P]	.63	5	15	1 (b, c, d, e, f)
Parents/friends compatibility	.72	3	15	2-4
Parent/peer influence	.57	4	15-16	5-8
Number of friends at CU	-	1	16	9
Number of close friends at CU	-	1	16	10
Closer to friends at CU or home	-	1	16	11
Stress	.60	4	16	1a-1d
Depression	.90	4	16	2a-2d
Miles driven, average week	-	1	17	1

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Risky driving	.74	6	17	2a-2f
Seatbelt use	.88	2	17	3, 4
Attitudinal intolerance of deviance	.83	7	18	1-7 (top)
Family closeness	.84	3	18	1a-1c (center)
Parent support	.80	3	18	2-4
Other adult support	-	1	18	5
Parent models for health behavior	.71	8	19	6-9
Models protection/family ^{1,2} [P]	.72	6	19	6-8
Alienation	.79	4	19	1-4
Ever drank alcohol	-	1	20	1
Drank alcohol more than 2 or 3 times	-	1	20	2
Age first drink not with family		1	20	3
Only drink with family	-	1	20	3
Frequency of drinking, last year of high school	-	1	20	4
Number of drinks usually consumed, last year of high school	-	1	20	5
Frequency of high volume of drinking, last year of high school	-	1	20	6
Change in drinking since last semester	-	1	21	7
Reason for change in drinking	-	1	21	8
Frequency of drinking, past month	-	1	21	9

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Number of drinks usually consumed, past month	-	1	21	10
Frequency of high volume of drinking, past month	-	1	21	11
Negative consequences of drinking	.81	8	22	12a-12h
Times drunk, past month	-	1	22	13
Problem drinking ¹ [R] Measure is computed as the average of the z-scores of two scales: items 12a-12h summed and averaged, and item 13	.66	2	22	12a-12h, 13
Tried to reduce drinking	-	1	22	14
Quit drinking past month	-	1	22	15
Smoke cigarettes while drinking, past month	-	1	22	16
Number of cigarettes smoked while drinking	-	1	23	17
Place where usually drink	-	1	23	18
Designated driver	-	1	23	19
Positive functions of drinking	.91	7	23	20a-20g
Parental disapproval of drinking in middle and high school	-	1	23	21
Parental disapproval of drinking in college	-	1	23	22
Friends' disapproval of drinking	-	1	24	23
Friends models for heavy drinking	-	1	24	24
Peer pressure to drink	.76	2	24	25, 26
Availability of alcohol	-	1	24	27

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Opportunity risk ^{1,2} [R]	-	1	24	27
CU sanctions against drinking	-	1	24	28
Friends controls against drinking	-	1	24	29
Family models for alcohol problems	-	1	24	30
Perceived health effects of drinking	-	1	24	31
Attention to healthy diet	.88	6	25	1a-1f
Snacks instead of regular meals	-	1	25	2
Skip breakfast	-	1	25	3
Family models for eating junk food	-	1	25	4
Friends models for eating junk food	-	1	25	5
Perceived health effects of skipping breakfast	-	1	25	6
Perceived health effects of junk food	-	1	25	7
Perceived health effects of too much fat	-	1	25	8
Perceived life chances	.87	7	26	1-7 (top)
Delinquent behavior ² [R]	.68	7	26	1-7 (bottom)
Impulsivity	.68	5	27	1-5 (top)
Ever used marijuana	-	1	27	1
Age first tried marijuana	-	1	27	2
Frequency of marijuana use, past month	-	1	27	3
Marijuana involvement ^{1,2} [R] (never-users are assigned a score of "0")	-	1	27	3

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Parental disapproval of marijuana use	-	1	27	4
Friends' disapproval of marijuana use	-	1	27	5
Friends models for marijuana use	-	1	27	6
Friends models for other drugs	-	1	28	7
CU sanctions for marijuana use	-	1	28	8
Friends controls for marijuana use	-	1	28	9
Perceived health effects of marijuana use	-	1	28	10
Other drug experience (one per drug)	-	1	28	11
Other drug experience, past month (one per drug)	-	1	28	11
Expectation for academic achievement	.87	4	29	1-4 (top)
Student models for risk behavior	.58	4	29	1-4 (middle)
Sexual identity	-	1	29	1
Dating	-	1	29	2
Sexual intercourse experience	-	1	29	3
Age at first intercourse	-	1	29	4
Number of sexual partners, past month	-	1	29	5
Frequency of sex	-	1	29	6
Condom use, last intercourse	-	1	30	7
Number of sexual partners, past month	-	1	30	8
Frequency of condom use, past month	-	1	30	9

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Frequency of contraception use, past month	-	1	30	10
Reasons for using a condom	-	1	30	11
Reasons for not using a condom	-	1	30	12
Alcohol and sex, past month	-	1	30	13
Family/career plans	-	1	31	3
Interest of questions	-	1	32	1
Importance of questions	-	1	32	2
Parental disapproval of problem behavior (3 items)	.75	3	23 27	21, 22 4 (bottom)
Parental disapproval of problem behavior (4 items)	.72	4	10 23 27	16 21, 22 4 (bottom)
Friends' disapproval of problem behavior	.53	3	10 24 27	17 23 5 (bottom)
Friends' controls against problem behavior	.65	4	11 12 24 28	22 12 29
Friends models for problem behavior	.72	5	10 11 24 27 28	18 19 24 6 7

	<u>Cronbach's Alpha</u>	<u>No. Of Items</u>	<u>Page No.</u>	<u>Items</u>
Controls protection/social ^{1,2} [P]	.75	10	10 11 12 23 24 27 28	17 22 12 21, 22 23, 29 4, 5 (bottom) 9
Controls protection/individual ¹ [P]	.82	16	1 7 12 18 25	1, 3-5 6 1-4 1-4 6-8
Controls protection/individual ² [P]	.78	15	7 11 12 14 18 24 25	6 23 5-7 1a-1d 1-4 31 7
Support protection/family ¹ [P]	.86	6	18	1a-4
Support protection ² [P]	.72	5	12 18	8, 9 1a-1c
Models risk/peers ^{1,2} [R]	.74	8	10 11 24 27 28 29	18 19 24 6 7 1, 2, 4 (center)
Vulnerability risk/peers ^{1,2} [R]	.63	3	11 24	20 25, 26

	Cronbach's <u>Alpha</u>	No. Of <u>Items</u>	Page <u>No.</u>	<u>Items</u>
Vulnerability risk/individual ¹ [R]	.82	12	5 16	5-8 (reverse score) 1a-1d, 2a-2d
Vulnerability risk/individual ² [R]	.68	8	5 16	5-8 (reverse score) 1a-1d