

## **Romantic Relationships Questionnaire**

Grade 9/Year 10

Fast Track Project Technical Report

Clara Muschkin

May 25, 2004

### **Table of Contents**

- I. Scale Description
- II. Report Sample
- III. Scaling
- IV. Differences Between Groups
- V. Recommendations for Use

### **Citation**

#### *Instrument*

Bearman, P.S., Jones, J., & Udry, J.R. (1997). *The National Longitudinal Study of Adolescent Health: Research Design*. Available Online, <http://www.cpc.unc.edu/addhealth>

#### *Report*

Muschkin, C.G. (2004). *Romantic Relationships Questionnaire* (Fast Track Project Technical Report). Available from the Fast Track Project website, <http://www.fasttrackproject.org>

### **Data Sources**

*Unscored: C10AB*

*Scored: RRQ10*

### **I. Scale Description**

The Romantic Relationships Questionnaire is a 41-item instrument adapted by Fast Track from measures used in the National Longitudinal Study of Adolescent Health. Beginning in the seventh grade, Fast Track has administered this questionnaire to assess respondents' relationships and sexual activity. Respondents who report that they are sexually active are asked for additional information, including the number of partners; age at first sexual intercourse; contraception; what, if any, sexually transmitted diseases have been contracted; and the time of first diagnosis. This measure is used through grade 12.

### **II. Report Sample**

This report contains data collected on cohort 1 of the high-risk control sample (n=155) and the normative sample (n=387, N=463 with overlap) from the tenth year of the study. Of these respondents, 104 (22.5 percent) are missing all data for this measure, including 90 from the normative group (14 from Durham, 33 from Nashville, 22 from Pennsylvania, and 21 from Washington), and 34 from the control group (4 from Durham, 13 from Nashville, 8 from Pennsylvania and 9 from Washington), with overlap between the normative and control groups.

**(removed page break) removed one space**

### **III. Scaling**

Only one summary score was derived for this measure in year 10. This score (RRQ10SPR, "Had a Special Relationship") summarizes the responses to the first five questions, which tap into dimensions of what it means to have a special romantic relationship. As is the case for the majority of the response items, these questions have dichotomous responses, coded "yes (1)" and "no (0)." An answer of "yes" to the first question, "Have you had a special romantic relationship in your lifetime," provides a "yes" for the summary

score. The summary score is coded as “yes” if the respondent answered “no” to the first question but “yes” to question 3 (ever held hands with a non-family member), question 4 (ever kissed a non-family member on the mouth) and question 5 (ever told a non-family member that they liked or loved them). If the response was “no” on question 1 and “no” on questions 3, 4, or 5, then the summary score is coded as “no.”

This measure involves a complex skip pattern that should be taken into consideration for all analyses using these data. The main filter question, “have you ever had sexual intercourse,” reduces the respondent pool to 130 for all remaining items in the measure. Only students who reported ever having sexual intercourse were asked about sexual activity during the past year, their age at first intercourse, whether they had used birth control, what type of birth control they used, and whether they had ever been forced to have sexual intercourse. Two of the dichotomous response items (“sexual activity during the past year” and “ever forced to have sex against your will”) were recoded to replace the “S” for skipped with a “0” to indicate that “no” is the logical response for students who reported that they had never had sexual intercourse. The original variables were retained in the scored dataset, and the corresponding recoded variables named c10ab12r and c10ab17r.

It should be noted that age at intercourse is coded in years, and the method of birth control in 13 categories. Respondents were asked to designate up to three contraceptive methods used at first intercourse and during the past year, entering the code “99” if no method was used or if only one or two methods were used. Students who reported ever using a condom were asked the proportion of time that they used it (n=25). The item asking the proportion of the time that a condom was used is coded on a 5-point scale, ranging from “none of the time (1)” to “all of the time (5).” It should be noted that there is a problem with the skip patterns at this point in the original computer program. Respondents who were asked whether they had had sexual intercourse in the last year (c10ab12), and answered “no,” should have been directed to the question regarding ever having used a condom during intercourse (c9ab15) and the frequency of condom use (c9ab16). However, some of the respondents who reported no recent sexual intercourse were directed to skip these two questions. Analysts should carefully review the response sets for these items, particularly for respondents who reported no sexual activity during the past year.

Finally, respondents who reported ever having sexual intercourse were asked whether they ever had been told they had a sexually transmitted disease, with diseases listed as individual dichotomous response items. Only those who reported a disease (n=3) were asked when they were first diagnosed. The timing of diagnosis is measured on a three-point scale (1=less than one year ago, 2=1 to 2 years ago, 3=more than 3 years ago).

(removed page break)

#### IV. Differences Between Groups

Independent t-tests were conducted to assess differences between the normative sample and the high-risk control sample for the two continuous variables. Results indicate a significant difference for age at first intercourse, with a lower mean age for the high-risk control group.

(removed one space)

RRQ TTests for Continuous Variables								
Variable	Normative		Control		DF	t Value	Pr >  t	N
	Mean	Std Dev	Mean	Std Dev				
<b>Amt of Time Used Condom During Intercourse</b>	3.40000	1.57762	4.06667	1.33452	23	1.14	0.2667	25
<b>Age You First Had Sexual Intercourse</b>	13.10145	1.75855	12.40984	2.13211	128	-2.03	0.0449	130

Chi-square tests of response frequency for the normative group and the control group resulted in significant values for three items only. It should be noted that the low levels of reported involvement in sexual activity compromise the ability to detect differences between groups in this sample; therefore, these tests of significance tests should be interpreted with caution. Only three respondents reported ever having a sexually transmitted disease; therefore, the items corresponding to diagnosis and timing are not included in these analyses.

Significance tests or tests of significance indicate that high-risk control respondents were more likely to have had “a special romantic relationship in their lifetime,” the item response; however, the summary score “had a special relationship” was not significantly different across groups. The control group was significantly more likely to have ever had sexual intercourse, as compared with normative low-risk respondents. This significant difference also held true for the recoded item regarding sexual intercourse during the past year.

(add one space)

<b>Romantic Relationships Questionnaire Items</b>							
<b>Variable</b>	<b>Label</b>	<b>0=No/Did not occur 1=Yes/Did occur</b>		<b>DF</b>	<b>Chi Square Statistic</b>	<b>P-value</b>	<b>N</b>
		<b>Normative Proportions</b>	<b>Control Proportions</b>				
<b>C10AB1</b>	<b>Any Special Romantic Relationships in Lifetime?</b>	0.63	0.74	1	3.70	0.054	359
<b>C10AB3</b>	<b>Hold Hands W/ Non-Family Member Last Yr?</b>	0.62	0.53	1	0.84	0.360	126
<b>C10AB4</b>	<b>Kiss On Mouth Non-Family Member Last Year</b>	0.77	0.72	1	0.19	0.667	75
<b>C10AB5</b>	<b>Tell Non-Family Member You Like/Love Them</b>	0.89	0.77	1	1.14	0.285	57
<b>C10AB6</b>	<b>Did You Do These Things W/ Same Person?</b>	0.85	0.80	1	0.12	0.725	49
<b>C10AB8</b>	<b>Have You Ever Had Sexual Intercourse?</b>	0.29	0.50	1	15.27	0.000	359
<b>C10AB10</b>	<b>Use Any Birth Control First Intercourse?</b>	0.71	0.60	1	1.71	0.192	130
<b>c10q12r</b>	<b>Had intercourse in last year, recode</b>	0.24	0.42	1	11.99	0.001	359
<b>C10AB13</b>	<b>Used Birth Control Most Recent Intercourse</b>	0.82	0.71	1	2.13	0.144	108
<b>C10AB15</b>	<b>Ever Used Condom During Intercourse?</b>	0.83	0.79	1	0.09	0.763	31
<b>c10q17r</b>	<b>Ever forced to have sex against your will, recode</b>	0.02	0.02	1	0.09	0.768	358
<b>rrq10sp</b>	<b>Had Special Romantic Relationship</b>	0.79	0.80	1	0.12	0.725	359

(removed 3 spaces)

## **V. Recommendations for Use**

Although most of the items are straightforward in use and interpretation, the low number of subjects reporting sexual activity, contraceptive use, and having a sexually transmitted disease indicate that these data should be used with caution. Analysts should keep the skip patterns and response sets in mind, noting that skipped data, as well as the item response “99” are coded as “S” in this dataset.