

Pregnancy Measure
Grade 8/Year 9
Fast Track Project Technical Report
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August 2004

Table of Contents

- I. Scale Description
- II. Report Sample
- III. Scaling
- IV. Differences Between Groups
- V. Recommendations for Use
- VI. Item Means and SD's
- VII. Item Correlations

Citation

Instrument

Conduct Problems Prevention Research Group (CPPRG). (1999). *Pregnancy Measure* [Online]. Available: <http://www.fasttrackproject.org/>

Reports

Kersteter, S.L. (2004). *Pregnancy Measure* (Fast Track Project Technical Report). Available from the Fast Track Project Web site: <http://www.fasttrackproject.org>

Data Sources

Raw: C9AN

Scored: PRG9

I. Scale Description

The Pregnancy Measure is a self-report, computer-administered measure consisting of six items, with separate versions for females and males. It questions whether the female respondent has been pregnant, the number of pregnancies she has had, and the care of any child she has had. It questions the male respondent as to whether he has ever impregnated someone, the number of times he has impregnated someone, and the care of any of his children. If the respondent answers "yes" to the first question, they continue on to answer the next four questions (males) or the next five questions (females). If the respondent answers "no" to the first question, they skip the next four questions (males) or the next five questions (females).

II. Report Sample

These analyses were conducted on the Cohort 1 high-risk control sample (n = 155) and normative sample (n = 387, N = 463 with overlap) from the ninth year of the study. One hundred records were missing the complete measure. Thirty records were missing from the control sample (5 from Durham, 10 from Nashville, 7 from Pennsylvania, and 8 from Washington) and 87 records were missing from the normative sample (17 from Durham, 31 from Nashville, 18 from Pennsylvania, and 21 from Washington). These numbers may reflect some overlap between the two samples.

For the males, 60 were missing the complete measure. Twenty-three records were missing from the control sample (4 from Durham, 7 from Nashville, 6 from Pennsylvania, and 6 from Washington) and 49 records were missing from the normative sample (8 from Durham, 18 from Nashville, 10 from Pennsylvania, and 13 from Washington). These numbers may reflect some overlap between the two samples.

For the females, 40 were missing the complete measure. Seven were from the control sample (1 from Durham, 3 from Nashville, 1 from Pennsylvania, and 2 from Washington) and 38 were from the normative sample (9 from Durham, 13 from Nashville, 8 from Pennsylvania, and 8 from Washington). These numbers may reflect some overlap between the two samples.

III. Scaling

Four of the six items require yes/no answers. The remaining two items (how many times have you gotten someone else pregnant (males)/how many times have you been pregnant (females) and how many of your children live with you) require a numerical response. There are no subscales.

The design of this measure allowed for items 2 through 5 for males and 2 through 6 for females to be skipped if the respondent answered “no” to item 1. Although no values were entered for these data, they are not considered missing data; rather, because of the “no” response to item 1, the responses to the remaining items are actually either “no” or “0.” For the purposes of these technical report analyses, if a respondent answered “no” to item 1, their answers to the remaining items (2 through 5 for males and 2 through 6 for females) were considered to be “no,” and coded as a “0.”

IV. Differences Between Groups

A series of t-tests comparing the control sample and the normative sample for item 2 (How many times have you gotten someone else pregnant/How many times have you been pregnant) and item 5 (How many of your children live with you) indicated no significant difference for either item for either males or females. T-tests were not performed on item 5 for males since no males in either the control sample or the normative sample reported that any of their children lived with them.

Pregnancy Measure – Item 2, Control and Normative - Year 9 - Males

Variable	Control Sample		Normative Sample		DF	t Value	Pr > t
	Mean	Std Dev	Mean	Std Dev			
How many times have you gotten someone else pregnant ? (C9AN2)	0.01	0.11	0.01	0.10	192	0.10	0.9186

Pregnancy Measure – Items 2 and 5, Control and Normative - Year 9 - Females

Variable	Control Sample		Normative Sample		DF	t Value	Pr > t
	Mean	Std Dev	Mean	Std Dev			
How many times have you been pregnant ? (C9AN2)	-	-	0.02	0.15	167	-0.89	0.3748
How many of your children live with you? (C9AN5)	-	-	0.02	0.15	167	-0.89	0.3748

Chi-square tests were run on remaining items (items 1, 3, 4, and 6), controlling for gender. There were no significant Chi-square values for any of the items evaluated for males or females. The Chi-square test results are presented in the following tables.

The frequency distribution of Item 1 for males (C9AN1 - Have you ever gotten someone else pregnant?) among the control and normative samples was:

Table of C9AN1 by group for males			
C9AN1 (Have you ever gotten someone else pregnant?)	Group		Total
	Control	Normative	
Frequency			
Percent			
Row Percent			
Column Percent			
0 (no)	89 45.88 46.35 98.89	103 53.09 53.65 99.04	192 98.97
1 (yes)	1 0.52 50.00 1.11	1 0.52 50.00 0.96	2 1.03
Total	90 46.39	104 53.61	194 100.00
Frequency Missing = 60			

With $\chi^2 (1, N = 194) = 0.0106$, $p < 0.9181$, the hypothesis of independence between risk category (normative or control) and Item 1 for males (Have you ever gotten someone else pregnant?) was not rejected for these data.

The frequency distribution of Item 3 for males (C9AN3 – Are you involved in the care of any of your children?) and Item 4 for males (C9AN4 – Do any of your children live with you) among the control and normative samples was the same:

Table of C9AN3 and C9AN4 by group for males			
C9AN3 (Are you involved in the care of any of your children?) C9AN4 (Do any of your children live with you?)	Group		Total
Frequency Percent Row Percent Column Percent	Control	Normative	
0 (no)	1 50.00 50.00 100.00	1 50.00 50.00 100.00	2 100.00
1 (yes)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00
Total	1 50.00	1 50.00	2 100.00
Frequency Missing = 252			

Chi-square values were not calculated for items 3 and 4 because both items had only “no” responses.

The frequency distribution of Item 1 for females (C9AN1 - Have you ever been pregnant?) among the control and normative samples was:

Table of C9AN1 by group for females			
C9AN1 (Have you ever been pregnant?)	Group		Total
Frequency Percent Row Percent Column Percent	Control	Normative	
0 (no)	35 20.71 21.08 100.00	131 77.51 78.92 97.76	166 98.22
1 (yes)	0 0.00 0.00 0.00	3 1.78 100.00 2.24	3 1.78
Total	35 20.71	134 79.29	169 100.00
Frequency Missing = 40			

With $\chi^2 (1, N = 169) = 0.7977, p < 0.3718$, the hypothesis of independence between risk category (normative or control) and Item 1 for females (Have you ever been pregnant?) was not rejected for these data.

The frequency distribution of Item 3 for females (C9AN3 – Are you involved in the care of any of your children?) and Item 4 for females (C9AN4 – Do any of your children live with you?) among the control and normative samples was the same:

Table of C9AN3 and C9AN4 by group for females			
C9AN3 (Are you involved in the care of any of your children?) C9AN4 (Do any of your children live with you?)	Group		Total
	Control	Normative	
Frequency Percent Row Percent Column Percent			
0 (no)	0 0.00 0.00 0.00	3 100.00 100.00 100.00	3 100.00
1 (yes)	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00
Total	0 0.00	3 100.00	3 100.00
Frequency Missing = 206			

Chi-square values were not calculated for items 3 and 4 because both items had only “no” responses.

The frequency distribution of Item 6 for females (C9AN6 – Are you pregnant right now?) among the control and normative samples was:

Table of C9AN6 by group for females			
C9AN6 (Are you pregnant right now?)	Group		Total
	Control	Normative	
Frequency Percent Row Percent Column Percent			
0 (no)	35 20.71 20.83 100.00	133 78.30 79.17 99.25	168 99.41
1 (yes)	0 0.00 0.00 0.00	1 0.59 100.00 0.75	1 0.59
Total	35 20.71	134 79.29	169 100.00
Frequency Missing = 40			

With $\chi^2 (1, N = 169) = 0.2627$, $p < 0.6082$, the hypothesis of independence between risk category (normative or control) and Item 6 for females (Are you pregnant right now?) was not rejected for these data.

Chi-square tests of independence indicated no significant differences between the normative and control samples for any of the categorical variables for either males or females.

V. Recommendations for Use

The Fast Track Project created this form to collect general data on the instance of pregnancy for the target children. The items were designed to be single-use items.

VI. Item Means and SD's

PRG Means Table - Year 9 – Males

Question	Group	N	Mean	Std Dev	Minimum	Maximum
How many times have you gotten someone else pregnant? (C9AN2)	Control	90	0.011	0.105	0	1.000
	Normative	148	0.007	0.082	0	1.000
How many of your children live with you? (C9AN5)	Control	89	0	0	0	0
	Normative	147	0	0	0	0

PRG Means Table - Year 9 – Females

Question	Group	N	Mean	Std Dev	Minimum	Maximum
How many times have you been pregnant? (C9AN2)	Control	35	0	0	0	0
	Normative	152	0.020	0.140	0	1.000
How many of your children live with you? (C9AN5)	Control	35	0	0	0	0
	Normative	152	0.020	0.140	0	1.000

VII. Item Correlations

Correlation Coefficients – Year 9 – Males

Pearson Correlation Coefficients – Males Prob > r under H0: Rho=0 Number of Observations				
	C9AN2	C9AN3	C9AN4	C9AN5
C9AN2 How many times you have gotten someone else pregnant?	1.00000 194	. 2	. 2	. 192
C9AN3 Are you involved in care of your children?	. 2	. 2	. 2	. 0
C9AN4 Do any of your children live with you?	. 2	. 2	. 2	. 0
C9AN5 How many of your children live with you?	. 192	. 0	. 0	. 192

Correlation Coefficients – Year 9 – Females

Pearson Correlation Coefficients – Females Prob > r under H0: Rho=0 Number of Observations				
	C9AN2	C9AN3	C9AN4	C9AN5
C9AN2 How many times you have you been pregnant?	1.00000 169	. 3	. 3	1.00000 <.0001 169
C9AN3 Are you involved in care of your children?	. 3	. 3	. 3	. 3
C9AN4 Do any of your children live with you?	. 3	. 3	. 3	. 3
C9AN5 How many of your children live with you?	1.00000 <.0001 169	. 3	. 3	1.00000 169