

## **Neighborhood Questionnaire**

*Grade 11 /Year 12*

### **Fast Track Project Technical Report**

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#### **Table of Contents**

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

#### **Citation**

##### *Instrument*

Conduct Problems Prevention Research Group (CPPRG). (1991). Neighborhood Questionnaire. Available: <http://www.fasttrackproject.org>

##### *Reports*

Corrigan, A. (2002). *Neighborhood Questionnaire, Grade 11 /Year 12* (Fast Track Project Technical Report). Available from the Fast Track Project Web site, <http://www.fasttrackproject.org>

Greenberg, M. & Lengua, L. (1995). *Scale Construction for the Neighborhood Questionnaire* (Fast Track Project Technical Report). Seattle, WA: University of Washington.

#### **Data Sources**

*Unscored:* P12P

*Scored:* NHQ12

#### **I. Scale Description**

The Neighborhood Questionnaire is a 16-item measure that assesses a parent's satisfaction with the family's neighborhood.

The questionnaire explores sociability in the neighborhood, the neighborhood's stability, the quality of public services (police, schools, transportation, garbage collection), neighborhood safety, the incidence of violent crime, drug traffic in the neighborhood, the parent's involvement with neighbors, and the parent's participation in neighborhood organizations. Responses include three-point, four-point, five-point, six-point, and dichotomous scales. One item has nine response choices. Items ask about satisfaction level, quality, duration, quantity, level of involvement, and frequency. Three items are yes/no questions. On the Year 12 scale, these questions have the response codes: yes = 1 and no = 0.

#### **II. Report Sample**

This report contains data collected on Cohort 1, Year 12. The data include a high-risk control sample (n=155) and a normative sample (n = 387) for a total N = 463, including overlap. Of the 463, 121 are missing responses for the entire Neighborhood Questionnaire, including 105 from the normative group (14 from Durham, 30 from Washington, 21 from Pennsylvania, and 40 from Nashville), and 46 from the control group (4 from Durham, 16 from Nashville, 12 from Pennsylvania, and 14 from Washington).

### III. Scaling

The Neighborhood Questionnaire has three subscales: the Neighborhood Safety Subscale (items 1, 6, 10, 11, and 12), the Neighborhood Social Involvement Subscale (items 3, 4, 5, and 13), and the Public Services Subscale (items 8 and 9). A previous analysis determined that items 2, 7, and 15 should not be included on any subscale, and that items 14 and 16, which are dichotomous, should also be excluded from the subscales.

The ordering of responses in items 10 and 11 was reversed before scoring. Raw scores for items 1 to 13 were converted to a ten-point scale. All subscales were scored by taking the mean of non-missing item responses and multiplying by the number of items on the scale. Subscales with more than 50 percent of their responses missing were not scored. Using a ten-point response scale, Neighborhood Safety has a possible maximum score of 50 points, Neighborhood Social Involvement has a maximum of 40, and Public Services has a maximum of 20.

The alpha coefficients for the normative sample and control sample are:

	Normative Sample	Control Sample
<b>Neighborhood Safety</b>	0.75	0.78
<b>Neighborhood Social Involvement</b>	0.77	0.61
<b>Public Services</b>	0.33	0.48

The following table shows the frequency of responses to Item 14 (Does your neighborhood have clubs/groups?) and Item 15 (How many groups do you belong to?). Item 14 was recoded such that Yes equals 1 and No equals 0, while item 15 was recoded such that, among parents in neighborhoods without clubs/organizations, item 15 is coded as 0 rather than missing.

Table of p12pnq14r by p12pnq15r					
p12pnq14r(Recoded-Any groups in neighborhood)	p12pnq15r(Recoded-Involved in how many groups)				Total
	0	1	2	3	
Frequency Percent Row Pct Col Pct					
<b>0</b>	236 69.41 100.00 78.15	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	236 69.41
<b>1</b>	66 19.41 63.46 21.85	27 7.94 25.96 100.00	8 2.35 7.69 100.00	3 0.88 2.88 100.00	104 30.59
<b>Total</b>	302 88.82	27 7.94	8 2.35	3 0.88	340 100.00
<b>Frequency Missing = 2</b>					

The next table shows the frequency of responses to Item 16 (Do you hold an office or post in any neighborhood group?) and Item 15 (How many groups do you belong to?). Among parents in neighborhoods without clubs/organizations, the items were recoded as 0 rather than missing.

Table of p12pnq16r by p12pnq15r					
p12pnq16r(Recoded-Hold an official position in groups)	p12pnq15r(Recoded-Involved in how many groups)				Total
Frequency Percent Row Pct Col Pct	0	1	2	3	
<b>0</b>	304 88.89 89.94 100.00	27 7.89 7.99 100.00	6 1.75 1.78 75.00	1 0.29 0.30 33.33	338 98.83
<b>1</b>	0 0.00 0.00 0.00	0 0.00 0.00 0.00	2 0.58 50.00 25.00	2 0.58 50.00 66.67	4 1.17
<b>Total</b>	304 88.89	27 7.89	8 2.34	3 0.88	342 100.00

#### IV. Differences Between Groups

T-tests of means for the normative sample and the high-risk control sample yielded the following results:

	Normative Sample		Control Sample		DF	t Value	Pr >  t
	Mean	SD	Mean	SD			
<b>Neighborhood Safety Subscale</b>	36.58	9.47	34.65	10.15	339	-1.71	0.0873
<b>Neighborhood Social Involvement Subscale</b>	16.52	10.22	15.22	8.56	340	-1.15	0.2498
<b>Public Services Subscale</b>	14.09	4.81	13.88	4.85	340	-0.37	0.7107
<b>Length of time in neighborhood</b>	7.27	3.04	6.70	3.43	338	-1.55	0.1218
<b>Garbage collection satisfaction</b>	8.39	2.61	8.17	2.62	339	-0.74	0.4582

#### V. Recommendations for Use

Analysts should be aware that items on the Neighborhood Questionnaire contain several different response scales and response metrics. For this study year, alpha correlations are marginal to acceptable for the Neighborhood Safety subscale and Neighborhood Social Involvement subscale. T-tests of means show no significant differences between the normative and control groups for any of the subscales. The Public Services subscale has low alpha values for both the normative group ( $\alpha = .33$ ) and the control group ( $\alpha = .48$ ). These low values suggest that the Public Services subscale does not effectively measure the intended construct.

## VI. Item and Scale Means and SDs

### Item Means and Standard Deviations – Neighborhood Questionnaire

Descriptive Statistics - High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
p12pnq1r	Rescaled-How feel about neighborhood	109	7.68	2.38	0.00	10.00
p12pnq2r	Rescaled-Length of stay for most residents	108	6.70	3.43	0.00	10.00
p12pnq3r	Rescaled-Amount of neighborly talking or visiting	108	4.12	3.19	0.00	10.00
p12pnq4r	Rescaled-How many neighbors do you know well	109	4.56	3.16	0.00	10.00
p12pnq5r	Rescaled-How often do you get together	109	3.01	3.35	0.00	10.00
p12pnq6r	Rescaled-Local police protection	108	6.85	2.84	0.00	10.00
p12pnq7r	Rescaled-Local garbage collection	109	8.17	2.62	0.00	10.00
p12pnq8r	Rescaled-Local schools	108	7.25	2.57	0.00	10.00
p12pnq9r	Rescaled-Public transportation	103	6.63	3.18	0.00	10.00
p12pnq10r	Rescaled-Frequency of mugging/burglary	109	6.42	2.64	0.00	10.00
p12pnq11r	Rescaled-Local selling/using of drugs	106	6.29	3.63	0.00	10.00
p12pnq12r	Rescaled-Police and neighborhood relationship	107	7.35	2.23	0.00	10.00
p12pnq13r	Rescaled-Involvement in neighborhood	109	3.55	2.95	0.00	10.00

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
p12pnq1r	Rescaled-How feel about neighborhood	282	7.84	2.56	0.00	10.00
p12pnq2r	Rescaled-Length of stay for most residents	281	7.18	3.11	0.00	10.00
p12pnq3r	Rescaled-Amount of neighborly talking or visiting	281	4.56	3.31	0.00	10.00
p12pnq4r	Rescaled-How many neighbors do you know well	282	5.09	3.38	0.00	10.00
p12pnq5r	Rescaled-How often do you get together	282	3.08	3.09	0.00	10.00
p12pnq6r	Rescaled-Local police protection	279	7.62	2.66	0.00	10.00
p12pnq7r	Rescaled-Local garbage collection	281	8.34	2.64	0.00	10.00
p12pnq8r	Rescaled-Local schools	280	7.42	2.83	0.00	10.00
p12pnq9r	Rescaled-Public transportation	273	6.69	3.27	0.00	10.00
p12pnq10r	Rescaled-Frequency of mugging/burglary	282	6.75	2.58	0.00	10.00
p12pnq11r	Rescaled-Local selling/using of drugs	278	6.22	3.54	0.00	10.00
p12pnq12r	Rescaled-Police and neighborhood relationship	279	7.85	2.38	0.00	10.00
p12pnq13r	Rescaled-Involvement in neighborhood	282	3.88	3.32	0.00	10.00

### Subscale Means and Standard Deviations – Neighborhood Questionnaire

Descriptive Statistics - High Risk Control Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NHQ12saf	Y12 NQ Neighborhood Safety Subscale	108	34.65	10.15	9.17	50.00
NHQ12soc	Y12 NQ Neighborhood Social Involvement Subscale	109	15.22	8.56	0.00	40.00
NHQ12pub	Y12 NQ Public Service Subscale	109	13.88	4.85	0.00	20.00

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
NHQ12saf	Y12 NQ Neighborhood Safety Subscale	281	36.32	9.81	0.00	50.00
NHQ12soc	Y12 NQ Neighborhood Social Involvement Subscale	282	16.60	10.03	0.00	40.00
NHQ12pub	Y12 NQ Public Service Subscale	282	14.08	4.83	0.00	20.00

VII. Item and Scale Correlations

**All Subscales -- Combined Normative and Control Samples**

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations					
	NHQ12saf	NHQ12soc	NHQ12pub	p12pnq2r	p12pnq7r
<b>NHQ12saf</b> Y12 NQ Neighborhood Safety Subscale	1.000 341	-0.035 0.515 341	0.302 0.000 341	0.094 0.085 339	0.279 0.000 340
<b>NHQ12soc</b> Y12 NQ Neighborhood Social Involvement Subscale	-0.035 0.515 341	1.000 342	-0.024 0.652 342	0.275 0.000 340	-0.074 0.171 341
<b>NHQ12pub</b> Y12 NQ Public Service Subscale	0.302 0.000 341	-0.024 0.652 342	1.000 342	0.012 0.827 340	0.351 0.000 341
<b>p12pnq2r</b> Rescaled-Length of stay for most residents	0.094 0.085 339	0.275 0.000 340	0.012 0.827 340	1.000 340	0.013 0.810 339
<b>p12pnq7r</b> Rescaled-Local garbage collection	0.279 0.000 340	-0.074 0.171 341	0.351 0.000 341	0.013 0.810 339	1.000 341

**Item Correlations -- Combined Normative and Control Samples**

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations							
	p12pnq1r	p12pnq2r	p12pnq3r	p12pnq4r	p12pnq5r	p12pnq6r	p12pnq7r
<b>p12pnq1r</b> Rescaled-How feel about neighborhood	1.000 342	0.225 0.000 340	0.004 0.940 341	0.182 0.001 342	0.020 0.712 342	0.417 0.000 339	0.278 0.000 341
<b>p12pnq2r</b> Rescaled-Length of stay for most residents	0.225 0.000 340	1.000 340	0.194 0.000 339	0.310 0.000 340	0.152 0.005 340	0.098 0.073 338	0.013 0.810 339
<b>p12pnq3r</b> Rescaled-Amount of neighborly talking or visiting	0.004 0.940 341	0.194 0.000 339	1.000 341	0.400 0.000 341	0.335 0.000 341	-0.035 0.522 339	-0.067 0.220 340
<b>p12pnq4r</b> Rescaled-How many neighbors do you know well	0.182 0.001 342	0.310 0.000 340	0.400 0.000 341	1.000 342	0.528 0.000 342	0.054 0.319 339	0.008 0.879 341
<b>p12pnq5r</b> Rescaled-How often do you get together	0.020 0.712 342	0.152 0.005 340	0.335 0.000 341	0.528 0.000 342	1.000 342	-0.042 0.439 339	-0.151 0.005 341
<b>p12pnq6r</b> Rescaled-Local police protection	0.417 0.000 339	0.098 0.073 338	-0.035 0.522 339	0.054 0.319 339	-0.042 0.439 339	1.000 339	0.329 0.000 338
<b>p12pnq7r</b> Rescaled-Local garbage collection	0.278 0.000 341	0.013 0.810 339	-0.067 0.220 340	0.008 0.879 341	-0.151 0.005 341	0.329 0.000 338	1.000 341
<b>p12pnq8r</b> Rescaled-Local schools	0.296 0.000 340	0.062 0.259 338	0.057 0.292 340	0.098 0.070 340	-0.042 0.443 340	0.313 0.000 338	0.383 0.000 339
<b>p12pnq9r</b> Rescaled-Public transportation	0.028 0.617 331	-0.041 0.458 330	-0.047 0.390 330	-0.031 0.575 331	-0.131 0.017 331	0.223 0.000 328	0.191 0.000 330
<b>p12pnq10r</b> Rescaled-Frequency of mugging/burglary	0.378 0.000 342	-0.091 0.092 340	-0.072 0.187 341	-0.106 0.049 342	-0.196 0.000 342	0.317 0.000 339	0.102 0.059 341
<b>p12pnq11r</b> Rescaled-Local selling/using of drugs	0.417 0.000 338	-0.027 0.620 336	-0.090 0.098 338	-0.054 0.318 338	-0.160 0.003 338	0.312 0.000 336	0.141 0.010 337
<b>p12pnq12r</b> Rescaled-Police and neighborhood relationship	0.429 0.000 339	0.205 0.000 337	-0.022 0.688 339	0.177 0.001 339	0.002 0.975 339	0.416 0.000 337	0.159 0.003 338
<b>p12pnq13r</b> Rescaled-Involvement in neighborhood	0.222 0.000 342	0.163 0.003 340	0.276 0.000 341	0.545 0.000 342	0.438 0.000 342	-0.005 0.922 339	-0.021 0.703 341

**Item Correlations (continued) -- Combined Normative and Control Samples**

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations						
	p12pnq8r	p12pnq9r	p12pnq10r	p12pnq11r	p12pnq12r	p12pnq13r
<b>p12pnq1r</b> Rescaled-How feel about neighborhood	0.296 0.000 340	0.028 0.617 331	0.378 0.000 342	0.417 0.000 338	0.429 0.000 339	0.222 0.000 342
<b>p12pnq2r</b> Rescaled-Length of stay for most residents	0.062 0.259 338	-0.041 0.458 330	-0.091 0.092 340	-0.027 0.620 336	0.205 0.000 337	0.163 0.003 340
<b>p12pnq3r</b> Rescaled-Amount of neighborly talking or visiting	0.057 0.292 340	-0.047 0.390 330	-0.072 0.187 341	-0.090 0.098 338	-0.022 0.688 339	0.276 0.000 341
<b>p12pnq4r</b> Rescaled-How many neighbors do you know well	0.098 0.070 340	-0.031 0.575 331	-0.106 0.049 342	-0.054 0.318 338	0.177 0.001 339	0.545 0.000 342
<b>p12pnq5r</b> Rescaled-How often do you get together	-0.042 0.443 340	-0.131 0.017 331	-0.196 0.000 342	-0.160 0.003 338	0.002 0.975 339	0.438 0.000 342
<b>p12pnq6r</b> Rescaled-Local police protection	0.313 0.000 338	0.223 0.000 328	0.317 0.000 339	0.312 0.000 336	0.416 0.000 337	-0.005 0.922 339
<b>p12pnq7r</b> Rescaled-Local garbage collection	0.383 0.000 339	0.191 0.000 330	0.102 0.059 341	0.141 0.010 337	0.159 0.003 338	-0.021 0.703 341
<b>p12pnq8r</b> Rescaled-Local schools	1.000 340	0.227 0.000 329	0.170 0.002 340	0.138 0.011 337	0.294 0.000 338	0.059 0.276 340
<b>p12pnq9r</b> Rescaled-Public transportation	0.227 0.000 329	1.000 331	0.088 0.112 331	0.146 0.008 327	0.053 0.338 329	-0.105 0.056 331
<b>p12pnq10r</b> Rescaled-Frequency of mugging/burglary	0.170 0.002 340	0.088 0.112 331	1.000 342	0.578 0.000 338	0.239 0.000 339	-0.176 0.001 342
<b>p12pnq11r</b> Rescaled-Local selling/using of drugs	0.138 0.011 337	0.146 0.008 327	0.578 0.000 338	1.000 338	0.291 0.000 336	-0.071 0.191 338
<b>p12pnq12r</b> Rescaled-Police and neighborhood relationship	0.294 0.000 338	0.053 0.338 329	0.239 0.000 339	0.291 0.000 336	1.000 339	0.161 0.003 339
<b>p12pnq13r</b> Rescaled-Involvement in neighborhood	0.059 0.276 340	-0.105 0.056 331	-0.176 0.001 342	-0.071 0.191 338	0.161 0.003 339	1.000 342