

## **Neighborhood Questionnaire**

*Grade 10 /Year 11*

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

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#### **Citation**

##### *Instrument*

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

##### *Reports*

Corrigan, A. (2002). *Neighborhood Questionnaire, Grade 10 /Year 11* (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:* P11P

*Scored:* NHQ11

#### **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 8 scale, these questions have the response codes: yes = 1 and no = 0. (The opposite yes/no codes are used in previous years' Neighborhood Questionnaires.)

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

This report contains data collected on Cohort 1, Year 11. The data include a high-risk control sample (n=155) and a normative sample (n = 387) for a total N = 463, including overlap. 109 of the 463 are missing responses for the entire Neighborhood Questionnaire, including 94 from the normative group (15 from Durham, 24 from Washington, 29 from Pennsylvania, and 26 from Nashville), and 40 from the control group (6 from Durham, 12 from Nashville, 13 from Pennsylvania, and 9 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:

	<b>Normative Sample</b>	<b>Control Sample</b>
<b>Neighborhood Safety</b>	0.78	0.76
<b>Neighborhood Social Involvement</b>	0.75	0.76
<b>Public Services</b>	0.30	0.03

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.

<b>p11pnq14r(Recoded-Any groups in neighborhood)</b>	<b>p11pnq15r(Recoded-Involved in how many groups)</b>					<b>Total</b>
	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	
<b>0</b>	223 64.64 100.00 76.90	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	0 0.00 0.00 0.00	223 64.64
<b>1</b>	67 19.42 54.92 23.10	42 12.17 34.43 100.00	6 1.74 4.92 100.00	4 1.16 3.28 100.00	3 0.87 2.46 100.00	122 35.36
<b>Total</b>	290 84.06	42 12.17	6 1.74	4 1.16	3 0.87	345 100.00
<b>Frequency Missing = 9</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 p11pnq16r by p11pnq15r						
p11pnq16r(Recoded-Hold an official position in groups)	p11pnq15r(Recoded-Involved in how many groups)					Total
Frequency Percent Row Pct Col Pct	0	1	2	3	4	
<b>0</b>	296 84.33 85.80 100.00	39 11.11 11.30 92.86	5 1.42 1.45 83.33	4 1.14 1.16 100.00	1 0.28 0.29 33.33	345 98.29
<b>1</b>	0 0.00 0.00 0.00	3 0.85 50.00 7.14	1 0.28 16.67 16.67	0 0.00 0.00 0.00	2 0.57 33.33 66.67	6 1.71
<b>Total</b>	296 84.33	42 11.97	6 1.71	4 1.14	3 0.85	351 100.00
<b>Frequency Missing = 3</b>						

#### 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>	37.43	9.81	35.72	10.07	351	-1.52	0.1289
<b>Neighborhood Social Involvement Subscale</b>	16.35	9.88	13.57	9.09	352	-2.54	0.0114
<b>Public Services Subscale</b>	14.3	4.80	14.52	4.38	351	0.42	0.6754
<b>Length of time in neighborhood</b>	6.59	3.22	6.29	3.44	342	-0.81	0.4202
<b>Garbage collection satisfaction</b>	8.49	2.61	8.27	2.40	350	-0.73	0.4633

#### V. Recommendations for Use

Analysts should be aware that items on the Neighborhood Questionnaire contain several different response scales and response metrics. For this sample, alpha correlations are marginal to acceptable for the Neighborhood Safety subscale and Neighborhood Social Involvement subscale. T-tests of means also show a significant difference between the normative and control groups for the Neighborhood Social Involvement Subscale. The Public Services subscale has low alpha values for both the normative group ( $\alpha = .03$ ) and the control group ( $\alpha = .30$ ). 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
p11pnq1r	Rescaled-How feel about neighborhood	115	7.57	2.51	0.00	10.00
p11pnq2r	Rescaled-Length of stay for most residents	115	6.29	3.44	0.00	10.00
p11pnq3r	Rescaled-Amount of neighborly talking or visiting	115	3.70	3.25	0.00	10.00
p11pnq4r	Rescaled-How many neighbors do you know well	115	4.20	3.00	0.00	10.00
p11pnq5r	Rescaled-How often do you get together	115	2.45	2.79	0.00	10.00
p11pnq6r	Rescaled-Local police protection	115	7.30	2.82	0.00	10.00
p11pnq7r	Rescaled-Local garbage collection	114	8.27	2.40	0.00	10.00
p11pnq8r	Rescaled-Local schools	113	7.40	2.70	0.00	10.00
p11pnq9r	Rescaled-Public transportation	108	7.07	3.34	0.00	10.00
p11pnq10r	Rescaled-Frequency of mugging/burglary	115	6.83	2.63	0.00	10.00
p11pnq11r	Rescaled-Local selling/using of drugs	108	6.48	3.73	0.00	10.00
p11pnq12r	Rescaled-Police and neighborhood relationship	111	7.57	2.06	0.00	10.00
p11pnq13r	Rescaled-Involvement in neighborhood	115	3.22	2.82	0.00	10.00

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
p11pnq1r	Rescaled-How feel about neighborhood	293	7.74	2.64	0.00	10.00
p11pnq2r	Rescaled-Length of stay for most residents	283	6.51	3.29	0.00	10.00
p11pnq3r	Rescaled-Amount of neighborly talking or visiting	290	4.55	3.45	0.00	10.00
p11pnq4r	Rescaled-How many neighbors do you know well	293	4.96	3.35	0.00	10.00
p11pnq5r	Rescaled-How often do you get together	292	2.82	3.07	0.00	10.00
p11pnq6r	Rescaled-Local police protection	290	7.46	2.74	0.00	13.33
p11pnq7r	Rescaled-Local garbage collection	291	8.36	2.66	0.00	10.00
p11pnq8r	Rescaled-Local schools	288	7.38	2.83	0.00	10.00
p11pnq9r	Rescaled-Public transportation	277	6.96	3.18	0.00	10.00
p11pnq10r	Rescaled-Frequency of mugging/burglary	291	6.90	2.54	0.00	10.00
p11pnq11r	Rescaled-Local selling/using of drugs	283	7.00	3.57	0.00	10.00
p11pnq12r	Rescaled-Police and neighborhood relationship	283	7.94	2.16	0.00	10.00
p11pnq13r	Rescaled-Involvement in neighborhood	293	3.80	3.05	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
<b>NHQ11saf</b>	Y11 NQ Neighborhood Safety Subscale	115	35.72	10.07	3.33	50.00
<b>NHQ11soc</b>	Y11 NQ Neighborhood Social Involvement Subscale	115	13.57	9.09	0.00	38.00
<b>NHQ11pub</b>	Y11 NQ Public Service Subscale	115	14.52	4.37	3.33	20.00

Descriptive Statistics - Normative Sample						
Variable	Label	N	Mean	Std Dev	Minimum	Maximum
<b>NHQ11saf</b>	Y11 NQ Neighborhood Safety Subscale	292	37.01	10.09	3.33	50.00
<b>NHQ11soc</b>	Y11 NQ Neighborhood Social Involvement Subscale	293	16.10	9.78	0.00	40.00
<b>NHQ11pub</b>	Y11 NQ Public Service Subscale	292	14.34	4.68	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					
	NHQ11saf	NHQ11soc	NHQ11pub	p11pnq2r	p11pnq7r
<b>NHQ11saf</b> Y11 NQ Neighborhood Safety Subscale	1.000 353	0.073 0.172 353	0.205 0.000 353	0.158 0.003 343	0.294 0.000 352
<b>NHQ11soc</b> Y11 NQ Neighborhood Social Involvement Subscale	0.073 0.172 353	1.000 354	0.030 0.580 353	0.262 0.000 344	0.032 0.549 352
<b>NHQ11pub</b> Y11 NQ Public Service Subscale	0.205 0.000 353	0.030 0.580 353	1.000 353	0.050 0.359 343	0.233 0.000 352
<b>p11pnq2r</b> Rescaled-Length of stay for most residents	0.158 0.003 343	0.262 0.000 344	0.050 0.359 343	1.000 344	0.010 0.860 342
<b>p11pnq7r</b> Rescaled-Local garbage collection	0.294 0.000 352	0.032 0.549 352	0.233 0.000 352	0.010 0.860 342	1.000 352

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

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations							
	p11pnq1r	p11pnq2r	p11pnq3r	p11pnq4r	p11pnq5r	p11pnq6r	p11pnq7r
<b>p11pnq1r</b> Rescaled-How feel about neighborhood	1.000 0.000 354	0.218 0.000 344	0.042 0.433 351	0.214 0.000 354	-0.016 0.761 353	0.396 0.000 351	0.194 0.000 352
<b>p11pnq2r</b> Rescaled-Length of stay for most residents	0.218 0.000 344	1.000 0.013 344	0.134 0.013 342	0.305 0.000 344	0.145 0.007 343	0.124 0.022 341	0.010 0.860 342
<b>p11pnq3r</b> Rescaled-Amount of neighborly talking or visiting	0.042 0.433 351	0.134 0.013 342	1.000 0.000 351	0.415 0.000 351	0.309 0.000 351	0.083 0.124 349	0.074 0.166 350
<b>p11pnq4r</b> Rescaled-How many neighbors do you know well	0.214 0.000 354	0.305 0.000 344	0.415 0.000 351	1.000 0.000 354	0.541 0.000 353	0.153 0.004 351	0.058 0.281 352
<b>p11pnq5r</b> Rescaled-How often do you get together	-0.016 0.761 353	0.145 0.007 343	0.309 0.000 351	0.541 0.000 353	1.000 0.000 353	0.044 0.416 351	-0.100 0.060 352
<b>p11pnq6r</b> Rescaled-Local police protection	0.396 0.000 351	0.124 0.022 341	0.083 0.124 349	0.153 0.004 351	0.044 0.416 351	1.000 0.000 351	0.366 0.000 350
<b>p11pnq7r</b> Rescaled-Local garbage collection	0.194 0.000 352	0.010 0.860 342	0.074 0.166 350	0.058 0.281 352	-0.100 0.060 352	0.366 0.000 350	1.000 0.000 352
<b>p11pnq8r</b> Rescaled-Local schools	0.206 0.000 347	0.096 0.079 337	0.054 0.321 345	0.023 0.669 347	0.006 0.908 347	0.304 0.000 345	0.220 0.000 346
<b>p11pnq9r</b> Rescaled-Public transportation	-0.095 0.081 336	0.015 0.791 328	0.070 0.202 334	-0.025 0.645 336	-0.046 0.406 336	0.056 0.303 334	0.150 0.006 336
<b>p11pnq10r</b> Rescaled-Frequency of mugging/burglary	0.477 0.000 352	0.069 0.203 343	0.008 0.882 350	0.051 0.338 352	-0.123 0.021 352	0.300 0.000 350	0.159 0.003 351
<b>p11pnq11r</b> Rescaled-Local selling/using of drugs	0.478 0.000 341	0.030 0.583 332	-0.002 0.966 339	0.041 0.450 341	-0.183 0.001 341	0.330 0.000 339	0.177 0.001 340
<b>p11pnq12r</b> Rescaled-Police and neighborhood relationship	0.398 0.000 342	0.169 0.002 336	0.051 0.347 341	0.149 0.006 342	-0.046 0.397 342	0.460 0.000 341	0.165 0.002 341
<b>p11pnq13r</b> Rescaled-Involvement in neighborhood	0.185 0.000 354	0.204 0.000 344	0.313 0.000 351	0.586 0.000 354	0.485 0.000 353	0.091 0.090 351	0.058 0.274 352

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

Pearson Correlation Coefficients Prob >  r  under H0: Rho=0 Number of Observations						
	p11pnq8r	p11pnq9r	p11pnq10r	p11pnq11r	p11pnq12r	p11pnq13r
<b>p11pnq1r</b> Rescaled-How feel about neighborhood	0.206 0.000 347	-0.095 0.081 336	0.477 0.000 352	0.478 0.000 341	0.398 0.000 342	0.185 0.000 354
<b>p11pnq2r</b> Rescaled-Length of stay for most residents	0.096 0.079 337	0.015 0.791 328	0.069 0.203 343	0.030 0.583 332	0.169 0.002 336	0.204 0.000 344
<b>p11pnq3r</b> Rescaled-Amount of neighborly talking or visiting	0.054 0.321 345	0.070 0.202 334	0.008 0.882 350	-0.002 0.966 339	0.051 0.347 341	0.313 0.000 351
<b>p11pnq4r</b> Rescaled-How many neighbors do you know well	0.023 0.669 347	-0.025 0.645 336	0.051 0.338 352	0.041 0.450 341	0.149 0.006 342	0.586 0.000 354
<b>p11pnq5r</b> Rescaled-How often do you get together	0.006 0.908 347	-0.046 0.406 336	-0.123 0.021 352	-0.183 0.001 341	-0.046 0.397 342	0.485 0.000 353
<b>p11pnq6r</b> Rescaled-Local police protection	0.304 0.000 345	0.056 0.303 334	0.300 0.000 350	0.330 0.000 339	0.460 0.000 341	0.091 0.090 351
<b>p11pnq7r</b> Rescaled-Local garbage collection	0.220 0.000 346	0.150 0.006 336	0.159 0.003 351	0.177 0.001 340	0.165 0.002 341	0.058 0.274 352
<b>p11pnq8r</b> Rescaled-Local schools	1.000 347	0.144 0.009 330	0.296 0.000 346	0.247 0.000 337	0.219 0.000 337	0.006 0.906 347
<b>p11pnq9r</b> Rescaled-Public transportation	0.144 0.009 330	1.000 336	-0.095 0.081 335	-0.003 0.959 324	0.079 0.156 327	0.040 0.468 336
<b>p11pnq10r</b> Rescaled-Frequency of mugging/burglary	0.296 0.000 346	-0.095 0.081 335	1.000 0.000 352	0.555 0.000 340	0.339 0.000 341	0.011 0.844 352
<b>p11pnq11r</b> Rescaled-Local selling/using of drugs	0.247 0.000 337	-0.003 0.959 324	0.555 0.000 340	1.000 0.000 341	0.350 0.000 333	0.002 0.975 341
<b>p11pnq12r</b> Rescaled-Police and neighborhood relationship	0.219 0.000 337	0.079 0.156 327	0.339 0.000 341	0.350 0.000 333	1.000 342	0.158 0.003 342
<b>p11pnq13r</b> Rescaled-Involvement in neighborhood	0.006 0.906 347	0.040 0.468 336	0.011 0.844 352	0.002 0.975 341	0.158 0.003 342	1.000 354