

# CARSI Replication Results: Estimation Results from Original Published Models



# Results from Published Models and De-identified Models

- The original models described in the published report employed a multi-level model that required the use of community level indicators for random effects. Given that the interviews covered such a small area (i.e, neighborhoods) and given the extremely sensitive of the information (reports on crime, gangs, threats, extortion, etc.) included in the questionnaire in the context of highly violent countries and regions, our obligation to protect the anonymity of respondents is especially high. For this reason, we have removed all indicators below the level of the municipio. Therefore, it is not possible to replicate the exact models in the published analysis. However, we have re-analyzed all the data using a simplified model (a regression without controls and without random or fixed effects) and find very similar results, leading to the same conclusions. As a courtesy to users, we provide these figures and models alongside the original published models for comparison.



r; t=0.00 1:19:46

1 . qui log off orgmod

Robberies Model

Model **vicbarlarr**

Mixed-effects ML regression Number of obs = **22928**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>4071</b>	<b>5732.0</b>	<b>7245</b>
<b>municipio</b>	<b>14</b>	<b>493</b>	<b>1637.7</b>	<b>4216</b>
<b>comm</b>	<b>128</b>	<b>1</b>	<b>179.1</b>	<b>308</b>

Log likelihood = **-120268.97** Wald chi2(11) = **467.60**  
 Prob > chi2 = **0.0000**

vicbarlarr	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>7.768986</b>	<b>2.116962</b>	<b>3.67</b>	<b>0.000</b>	<b>3.619816</b>	<b>11.91816</b>
time						
1	<b>3.049887</b>	<b>1.177934</b>	<b>2.59</b>	<b>0.010</b>	<b>.7411787</b>	<b>5.358595</b>
2	<b>-5.570049</b>	<b>1.031754</b>	<b>-5.40</b>	<b>0.000</b>	<b>-7.592249</b>	<b>-3.547849</b>
treatment						
Treated	<b>-7.860428</b>	<b>1.420546</b>	<b>-5.53</b>	<b>0.000</b>	<b>-10.64465</b>	<b>-5.07621</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>4.479764</b>	<b>1.593476</b>	<b>2.81</b>	<b>0.005</b>	<b>1.356609</b>	<b>7.602919</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>-.0523928</b>	<b>.022929</b>	<b>-2.29</b>	<b>0.022</b>	<b>-.0973327</b>	<b>-.0074528</b>
yrs_of_ed	<b>.4462731</b>	<b>.0848955</b>	<b>5.26</b>	<b>0.000</b>	<b>.2798811</b>	<b>.6126651</b>
youth_in_home	<b>2.395392</b>	<b>.6410741</b>	<b>3.74</b>	<b>0.000</b>	<b>1.13891</b>	<b>3.651875</b>
female	<b>.008551</b>	<b>.6088737</b>	<b>0.01</b>	<b>0.989</b>	<b>-1.18482</b>	<b>1.201922</b>
age_in_yrs	<b>-.0205037</b>	<b>.0242025</b>	<b>-0.85</b>	<b>0.397</b>	<b>-.0679398</b>	<b>.0269323</b>
wealth	<b>1.650004</b>	<b>.2223435</b>	<b>7.42</b>	<b>0.000</b>	<b>1.214219</b>	<b>2.08579</b>
_cons	<b>30.65057</b>	<b>5.914818</b>	<b>5.18</b>	<b>0.000</b>	<b>19.05773</b>	<b>42.2434</b>

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	<b>9.451385</b>	<b>4.701744</b>	<b>3.564934</b>	<b>25.0576</b>
<b>municipio:</b> Identity				
sd(_cons)	<b>10.61187</b>	<b>2.806187</b>	<b>6.31977</b>	<b>17.81896</b>
<b>comm:</b> Identity				
sd(_cons)	<b>10.6083</b>	<b>.7940851</b>	<b>9.160704</b>	<b>12.28464</b>

sd(Residual)	<b>45.578</b>	<b>.213433</b>	<b>45.16159</b>	<b>45.99824</b>
--------------	---------------	----------------	-----------------	-----------------

LR test vs. linear regression:  $\chi^2(3) = 2206.18$  Prob >  $\chi^2 = 0.0000$

Note: [LR test is conservative](#) and provided only for reference.

Drug Sales Model

Model **vicbar3arr**

Mixed-effects ML regression Number of obs = **20769**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>3559</b>	<b>5192.3</b>	<b>6455</b>
<b>municipio</b>	<b>14</b>	<b>440</b>	<b>1483.5</b>	<b>3633</b>
<b>comm</b>	<b>128</b>	<b>1</b>	<b>162.3</b>	<b>280</b>

Log likelihood = **-104926.55** Wald  $\chi^2(11) = 175.45$   
 Prob >  $\chi^2 = 0.0000$

vicbar3arr	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>3.266972</b>	<b>1.874444</b>	<b>1.74</b>	<b>0.081</b>	<b>-.4068704</b>	<b>6.940815</b>
time						
1	<b>3.016269</b>	<b>1.028637</b>	<b>2.93</b>	<b>0.003</b>	<b>1.000177</b>	<b>5.032361</b>
2	<b>3.883375</b>	<b>.896051</b>	<b>4.33</b>	<b>0.000</b>	<b>2.127147</b>	<b>5.639602</b>
treatment						
Treated	<b>-7.257333</b>	<b>1.231944</b>	<b>-5.89</b>	<b>0.000</b>	<b>-9.671898</b>	<b>-4.842768</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>2.788811</b>	<b>1.378287</b>	<b>2.02</b>	<b>0.043</b>	<b>.0874173</b>	<b>5.490204</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>-.0216773</b>	<b>.0198253</b>	<b>-1.09</b>	<b>0.274</b>	<b>-.0605342</b>	<b>.0171796</b>
yrs_of_ed	<b>.3381049</b>	<b>.0727728</b>	<b>4.65</b>	<b>0.000</b>	<b>.1954728</b>	<b>.4807369</b>
youth_in_home	<b>1.347471</b>	<b>.5555603</b>	<b>2.43</b>	<b>0.015</b>	<b>.258593</b>	<b>2.436349</b>
female	<b>-.5266221</b>	<b>.526697</b>	<b>-1.00</b>	<b>0.317</b>	<b>-1.558929</b>	<b>.5056849</b>
age_in_yrs	<b>.0021956</b>	<b>.0209738</b>	<b>0.10</b>	<b>0.917</b>	<b>-.0389123</b>	<b>.0433036</b>
wealth	<b>1.557141</b>	<b>.1924297</b>	<b>8.09</b>	<b>0.000</b>	<b>1.179986</b>	<b>1.934296</b>
_cons	<b>14.91739</b>	<b>7.631479</b>	<b>1.95</b>	<b>0.051</b>	<b>-.0400327</b>	<b>29.87481</b>

Random-effects Parameters		Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity					
	sd(_cons)	<b>14.18056</b>	<b>5.571685</b>	<b>6.565195</b>	<b>30.62944</b>
<b>municipio:</b> Identity					
	sd(_cons)	<b>7.911687</b>	<b>2.071169</b>	<b>4.73627</b>	<b>13.21605</b>
<b>comm:</b> Identity					
	sd(_cons)	<b>9.484012</b>	<b>.6968467</b>	<b>8.212006</b>	<b>10.95305</b>
	sd(Residual)	<b>37.52671</b>	<b>.1846879</b>	<b>37.16646</b>	<b>37.89044</b>

LR test vs. linear regression:  $\chi^2(3) = 3276.83$  Prob >  $\chi^2 = 0.0000$

Note: [LR test is conservative](#) and provided only for reference.

Extortion Model

Model **vicbar4arr**

Mixed-effects ML regression Number of obs = **21478**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>3589</b>	<b>5369.5</b>	<b>7063</b>
<b>municipio</b>	<b>14</b>	<b>437</b>	<b>1534.1</b>	<b>4084</b>
<b>comm</b>	<b>128</b>	<b>1</b>	<b>167.8</b>	<b>297</b>

Log likelihood = **-105817.18** Wald  $\chi^2(11) = 349.95$   
 Prob >  $\chi^2 = 0.0000$

vicbar4arr	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>8.756436</b>	<b>1.474598</b>	<b>5.94</b>	<b>0.000</b>	<b>5.866277</b>	<b>11.6466</b>
time						
1	<b>3.391571</b>	<b>.8953894</b>	<b>3.79</b>	<b>0.000</b>	<b>1.63664</b>	<b>5.146502</b>
2	<b>1.504395</b>	<b>.7757624</b>	<b>1.94</b>	<b>0.052</b>	<b>-.016071</b>	<b>3.024862</b>
treatment						
Treated	<b>-10.24632</b>	<b>1.066601</b>	<b>-9.61</b>	<b>0.000</b>	<b>-12.33682</b>	<b>-8.155819</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>2.66821</b>	<b>1.200549</b>	<b>2.22</b>	<b>0.026</b>	<b>.3151771</b>	<b>5.021243</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>.025586</b>	<b>.0171538</b>	<b>1.49</b>	<b>0.136</b>	<b>-.0080349</b>	<b>.059207</b>
yrs_of_ed	<b>.2951974</b>	<b>.063145</b>	<b>4.67</b>	<b>0.000</b>	<b>.1714354</b>	<b>.4189593</b>
youth_in_home	<b>1.882976</b>	<b>.4826906</b>	<b>3.90</b>	<b>0.000</b>	<b>.9369195</b>	<b>2.829032</b>
female	<b>-.1453214</b>	<b>.4577346</b>	<b>-0.32</b>	<b>0.751</b>	<b>-1.042465</b>	<b>.751822</b>
age_in_yrs	<b>-.0054193</b>	<b>.0182001</b>	<b>-0.30</b>	<b>0.766</b>	<b>-.0410909</b>	<b>.0302522</b>
wealth	<b>1.584642</b>	<b>.1673232</b>	<b>9.47</b>	<b>0.000</b>	<b>1.256695</b>	<b>1.91259</b>
_cons	<b>1.33261</b>	<b>3.418796</b>	<b>0.39</b>	<b>0.697</b>	<b>-5.368108</b>	<b>8.033327</b>

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity sd(_cons)	<b>4.54022</b>	<b>3.316922</b>	<b>1.084475</b>	<b>19.0079</b>
<b>municipio:</b> Identity sd(_cons)	<b>7.633316</b>	<b>1.894739</b>	<b>4.692759</b>	<b>12.41647</b>
<b>comm:</b> Identity sd(_cons)	<b>7.134483</b>	<b>.5382969</b>	<b>6.153742</b>	<b>8.271527</b>
sd(Residual)	<b>33.14184</b>	<b>.1603708</b>	<b>32.82901</b>	<b>33.45766</b>

LR test vs. linear regression:  $\chi^2(3) = 2404.62$  Prob >  $\chi^2 = 0.0000$

Note: [LR test is conservative](#) and provided only for reference.

Murder Model

Model **vicbar7arr**

Mixed-effects ML regression Number of obs = **22605**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>3899</b>	<b>5651.3</b>	<b>7304</b>
<b>municipio</b>	<b>14</b>	<b>467</b>	<b>1614.6</b>	<b>4244</b>
<b>comm</b>	<b>129</b>	<b>1</b>	<b>175.2</b>	<b>305</b>

Log likelihood = **-116236.65** Wald  $\chi^2(11) = 538.34$   
 Prob >  $\chi^2 = 0.0000$

vicbar7arr	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps Treatment	<b>6.760417</b>	<b>2.253312</b>	<b>3.00</b>	<b>0.003</b>	<b>2.344006</b>	<b>11.17683</b>
time						
1	<b>7.403224</b>	<b>1.073681</b>	<b>6.90</b>	<b>0.000</b>	<b>5.298847</b>	<b>9.5076</b>
2	<b>3.449865</b>	<b>.9394076</b>	<b>3.67</b>	<b>0.000</b>	<b>1.60866</b>	<b>5.29107</b>
treatment Treated	<b>-17.29819</b>	<b>1.288294</b>	<b>-13.43</b>	<b>0.000</b>	<b>-19.8232</b>	<b>-14.77318</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>12.72821</b>	<b>1.451489</b>	<b>8.77</b>	<b>0.000</b>	<b>9.883341</b>	<b>15.57307</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>-.0815364</b>	<b>.0207624</b>	<b>-3.93</b>	<b>0.000</b>	<b>-.12223</b>	<b>-.0408428</b>
yrs_of_ed	<b>-.0073225</b>	<b>.0767638</b>	<b>-0.10</b>	<b>0.924</b>	<b>-.1577768</b>	<b>.1431318</b>
youth_in_home	<b>3.995534</b>	<b>.582475</b>	<b>6.86</b>	<b>0.000</b>	<b>2.853904</b>	<b>5.137164</b>
female	<b>.644697</b>	<b>.5523416</b>	<b>1.17</b>	<b>0.243</b>	<b>-.4378725</b>	<b>1.727267</b>
age_in_yrs	<b>-.0552987</b>	<b>.0219678</b>	<b>-2.52</b>	<b>0.012</b>	<b>-.0983548</b>	<b>-.0122427</b>

wealth	.7265509	.2018022	3.60	0.000	.3310258	1.122076
_cons	22.52119	4.638154	4.86	0.000	13.43058	31.61181

Random-effects Parameters		Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity					
	sd(_cons)	7.118833	3.671431	2.590684	19.56155
<b>municipio:</b> Identity					
	sd(_cons)	7.63905	2.267785	4.269188	13.66889
<b>comm:</b> Identity					
	sd(_cons)	12.47627	.9030983	10.82606	14.37803
	sd(Residual)	41.05021	.1936214	40.67247	41.43146

LR test vs. linear regression:  $\chi^2(3) = 2515.35$  Prob >  $\chi^2 = 0.0000$

Note: [LR test is conservative](#) and provided only for reference.

Perc of Insecurity Model

Model **pese0r**

Mixed-effects ML regression Number of obs = 23885

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	4	4185	5971.3	7454
<b>municipio</b>	14	498	1706.1	4361
<b>comm</b>	129	1	185.2	360

Log likelihood = -109322.24 Wald  $\chi^2(11) = 105.39$   
 Prob >  $\chi^2 = 0.0000$

pese0r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	.3646012	1.200714	0.30	0.761	-1.988755	2.717957
time						
1	3.044186	.5822882	5.23	0.000	1.902922	4.18545
2	3.425592	.5167621	6.63	0.000	2.412756	4.438427
treatment						
Treated	-2.035309	.7141536	-2.85	0.004	-3.435024	-.6355933
treatment#time						
Treated#0	0 (empty)					
Treated#1	-1.273978	.7999468	-1.59	0.111	-2.841844	.2938893
Treated#2	0 (omitted)					
yrs_in_neighb	-.0432728	.0114972	-3.76	0.000	-.0658069	-.0207387
yrs_of_ed	-.0372871	.0428009	-0.87	0.384	-.1211753	.0466011
youth_in_home	.2442025	.3215581	0.76	0.448	-.3860398	.8744447

female	.5983402	.3055116	1.96	0.050	-.0004516	1.197132
age_in_yrs	-.0200512	.0121738	-1.65	0.100	-.0439114	.003809
wealth	-.1996958	.1115115	-1.79	0.073	-.4182542	.0188627
_cons	40.81447	3.030176	13.47	0.000	34.87544	46.75351

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	5.062139	2.363627	2.027164	12.64094
<b>municipio:</b> Identity				
sd(_cons)	4.465077	1.282391	2.54308	7.839674
<b>comm:</b> Identity				
sd(_cons)	6.464174	.4628539	5.617777	7.438092
sd(Residual)	23.3464	.1071004	23.13743	23.55726

LR test vs. linear regression: chi2(3) = 2502.72 Prob > chi2 = 0.0000

Note: [LR test is conservative](#) and provided only for reference.

Youth Loitering Model

Model **diso7r**

Mixed-effects ML regression Number of obs = 23906

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	4	4162	5976.5	7445
<b>municipio</b>	14	497	1707.6	4360
<b>comm</b>	129	1	185.3	360

Log likelihood = -113841.5 Wald chi2(11) = 261.75  
Prob > chi2 = 0.0000

diso7r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	4.905068	1.284953	3.82	0.000	2.386606	7.423531
time						
1	6.950969	.6999916	9.93	0.000	5.57901	8.322927
2	2.734457	.6220462	4.40	0.000	1.515269	3.953645
treatment						
Treated	-5.440775	.859882	-6.33	0.000	-7.126113	-3.755437
treatment#time						
Treated#0	0 (empty)					
Treated#1	-.3370493	.9611955	-0.35	0.726	-2.220958	1.546859
Treated#2	0 (omitted)					
yrs_in_neighb	-.0338302	.0138308	-2.45	0.014	-.0609381	-.0067223



yrs_of_ed	.0883991	.0514217	1.72	0.086	-.0123856	.1891837
youth_in_home	1.302932	.3871595	3.37	0.001	.544113	2.06175
female	.543215	.3677876	1.48	0.140	-.1776354	1.264065
age_in_yrs	-.0308185	.0146671	-2.10	0.036	-.0595655	-.0020716
wealth	.9681793	.1341807	7.22	0.000	.7051898	1.231169
_cons	56.22237	3.86981	14.53	0.000	48.63768	63.80706

Random-effects Parameters		Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity					
	sd(_cons)	<b>7.097227</b>	<b>2.760005</b>	<b>3.31184</b>	<b>15.20926</b>
<b>municipio:</b> Identity					
	sd(_cons)	<b>3.223394</b>	<b>1.082521</b>	<b>1.668984</b>	<b>6.225507</b>
<b>comm:</b> Identity					
	sd(_cons)	<b>6.480407</b>	<b>.4841248</b>	<b>5.597737</b>	<b>7.502259</b>
	sd(Residual)	<b>28.11821</b>	<b>.1289424</b>	<b>27.86662</b>	<b>28.37207</b>

LR test vs. linear regression:  $\chi^2(3) = 1978.46$  Prob >  $\chi^2 = 0.0000$

Note: [LR test is conservative](#) and provided only for reference.

Youth in Gangs Model

Model **diso8r**

Mixed-effects ML regression Number of obs = **23525**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>4022</b>	<b>5881.3</b>	<b>7265</b>
<b>municipio</b>	<b>14</b>	<b>481</b>	<b>1680.4</b>	<b>4203</b>
<b>comm</b>	<b>129</b>	<b>1</b>	<b>182.4</b>	<b>355</b>

Log likelihood = **-113429.86** Wald  $\chi^2(11) = 218.87$   
 Prob >  $\chi^2 = 0.0000$

diso8r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>4.480369</b>	<b>1.391355</b>	<b>3.22</b>	<b>0.001</b>	<b>1.753363</b>	<b>7.207374</b>
time						
1	<b>5.45856</b>	<b>.7477644</b>	<b>7.30</b>	<b>0.000</b>	<b>3.992968</b>	<b>6.924151</b>
2	<b>5.792336</b>	<b>.6681244</b>	<b>8.67</b>	<b>0.000</b>	<b>4.482836</b>	<b>7.101836</b>
treatment						
Treated	<b>-8.79835</b>	<b>.9212503</b>	<b>-9.55</b>	<b>0.000</b>	<b>-10.60397</b>	<b>-6.992733</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>1.279926</b>	<b>1.027944</b>	<b>1.25</b>	<b>0.213</b>	<b>-.7348064</b>	<b>3.294659</b>
Treated#2	0 (omitted)					

yrs_in_neighb	-.0220321	.0148054	-1.49	0.137	-.0510501	.0069859
yrs_of_ed	.1918138	.0549707	3.49	0.000	.0840732	.2995544
youth_in_home	-.4290421	.4142594	-1.04	0.300	-1.240976	.3828914
female	.7329838	.393476	1.86	0.062	-.038215	1.504183
age_in_yrs	-.0252822	.0157033	-1.61	0.107	-.0560601	.0054957
wealth	.9672864	.1435483	6.74	0.000	.6859369	1.248636
_cons	51.53837	4.466021	11.54	0.000	42.78513	60.29161

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	7.977177	3.320238	3.528292	18.03574
<b>municipio:</b> Identity				
sd(_cons)	5.412894	1.519336	3.122535	9.383217
<b>comm:</b> Identity				
sd(_cons)	7.060627	.5336391	6.088493	8.187979
sd(Residual)	29.83549	.1379343	29.56636	30.10706

LR test vs. linear regression: chi2(3) = 2565.04 Prob > chi2 = 0.0000

Note: [LR test is conservative](#) and provided only for reference.

Gang fights Model

Model **disol8r**

Mixed-effects ML regression Number of obs = 23597

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	4	3980	5899.3	7406
<b>municipio</b>	14	477	1685.5	4348
<b>comm</b>	129	1	182.9	356

Log likelihood = -115010.99 Wald chi2(11) = 116.85  
Prob > chi2 = 0.0000

disol8r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	3.977511	1.470625	2.70	0.007	1.095139	6.859883
time						
1	2.060668	.7868256	2.62	0.009	.5185184	3.602818
2	1.455912	.7046033	2.07	0.039	.0749148	2.836909
treatment						
Treated	-6.862081	.9701077	-7.07	0.000	-8.763457	-4.960705
treatment#time						
Treated#0	0	(empty)				

Treated#1	<b>-.2797351</b>	<b>1.078562</b>	<b>-0.26</b>	<b>0.795</b>	<b>-2.393678</b>	<b>1.834207</b>
Treated#2	0	(omitted)				
yrs_in_neighb	<b>.0250472</b>	<b>.0155508</b>	<b>1.61</b>	<b>0.107</b>	<b>-.0054319</b>	<b>.0555262</b>
yrs_of_ed	<b>.0047493</b>	<b>.0578382</b>	<b>0.08</b>	<b>0.935</b>	<b>-.1086116</b>	<b>.1181101</b>
youth_in_home	<b>-.6789716</b>	<b>.4357838</b>	<b>-1.56</b>	<b>0.119</b>	<b>-1.533092</b>	<b>.175149</b>
female	<b>.1880152</b>	<b>.4139834</b>	<b>0.45</b>	<b>0.650</b>	<b>-.6233775</b>	<b>.9994078</b>
age_in_yrs	<b>-.0609213</b>	<b>.0165081</b>	<b>-3.69</b>	<b>0.000</b>	<b>-.0932767</b>	<b>-.028566</b>
wealth	<b>.4387216</b>	<b>.1512297</b>	<b>2.90</b>	<b>0.004</b>	<b>.1423167</b>	<b>.7351264</b>
_cons	<b>47.90995</b>	<b>5.250544</b>	<b>9.12</b>	<b>0.000</b>	<b>37.61908</b>	<b>58.20083</b>

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	<b>9.682212</b>	<b>3.825792</b>	<b>4.463074</b>	<b>21.00463</b>
<b>municipio:</b> Identity				
sd(_cons)	<b>5.266432</b>	<b>1.698108</b>	<b>2.799337</b>	<b>9.907812</b>
<b>comm:</b> Identity				
sd(_cons)	<b>7.455088</b>	<b>.5615335</b>	<b>6.431887</b>	<b>8.641062</b>
sd(Residual)	<b>31.43765</b>	<b>.1451087</b>	<b>31.15453</b>	<b>31.72335</b>

LR test vs. linear regression:  $\chi^2(3) = 3028.59$  Prob >  $\chi^2 = 0.0000$

Note: [LR test is conservative](#) and provided only for reference.

Avoid walking in dangerous areas Model

Model **fear10rr**

Mixed-effects ML regression Number of obs = **23812**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>4179</b>	<b>5953.0</b>	<b>7424</b>
<b>municipio</b>	<b>14</b>	<b>494</b>	<b>1700.9</b>	<b>4337</b>
<b>comm</b>	<b>129</b>	<b>1</b>	<b>184.6</b>	<b>360</b>

Log likelihood = **-125585.3** Wald  $\chi^2(11) = 323.28$   
 Prob >  $\chi^2 = 0.0000$

fear10rr	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>16.31746</b>	<b>1.835802</b>	<b>8.89</b>	<b>0.000</b>	<b>12.71935</b>	<b>19.91556</b>
time						
1	<b>11.17931</b>	<b>1.172439</b>	<b>9.54</b>	<b>0.000</b>	<b>8.881368</b>	<b>13.47725</b>
2	<b>10.73239</b>	<b>1.039614</b>	<b>10.32</b>	<b>0.000</b>	<b>8.694779</b>	<b>12.76999</b>
treatment						
Treated	<b>-19.88061</b>	<b>1.437182</b>	<b>-13.83</b>	<b>0.000</b>	<b>-22.69743</b>	<b>-17.06378</b>

treatment#time						
Treated#0	0	(empty)				
Treated#1	6.106588	1.608608	3.80	0.000	2.953775	9.259401
Treated#2	0	(omitted)				
yrs_in_neighb	-.0773931	.0231059	-3.35	0.001	-.1226798	-.0321064
yrs_of_ed	.3817337	.0859737	4.44	0.000	.2132284	.550239
youth_in_home	-.0784772	.6477707	-0.12	0.904	-1.348084	1.19113
female	2.164606	.6155286	3.52	0.000	.9581919	3.37102
age_in_yrs	-.0212241	.024511	-0.87	0.387	-.0692647	.0268166
wealth	.7114163	.2245108	3.17	0.002	.2713832	1.151449
_cons	26.24653	4.495174	5.84	0.000	17.43615	35.05691

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	7.132685	3.443007	2.769306	18.3711
<b>municipio:</b> Identity				
sd(_cons)	7.084502	1.851829	4.244363	11.82514
<b>comm:</b> Identity				
sd(_cons)	8.427644	.6574	7.232827	9.819839
sd(Residual)	46.96613	.2157729	46.54512	47.39095

LR test vs. linear regression:  $\chi^2(3) = 1258.43$  Prob >  $\chi^2 = 0.0000$

Note: [LR test is conservative](#) and provided only for reference.

Community Organized to prevent crime Model

Model **soco9r**

Mixed-effects ML regression Number of obs = 23409

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	4	4094	5852.3	7282
<b>municipio</b>	14	494	1672.1	4241
<b>comm</b>	128	1	182.9	339

Log likelihood = -112600.01 Wald  $\chi^2(11) = 202.92$   
 Prob >  $\chi^2 = 0.0000$

soco9r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	-2.687392	1.108972	-2.42	0.015	-4.860936	-.5138467
time						
1	2.908478	.7430954	3.91	0.000	1.452038	4.364918
2	-2.627594	.6613319	-3.97	0.000	-3.923781	-1.331407
treatment						
Treated	6.690559	.9144035	7.32	0.000	4.898361	8.482757
treatment#time						
Treated#0	0 (empty)					
Treated#1	-3.373682	1.014567	-3.33	0.001	-5.362196	-1.385168
Treated#2	0 (omitted)					
yrs_in_neighb	.0448387	.0146457	3.06	0.002	.0161337	.0735437
yrs_of_ed	.1507796	.054373	2.77	0.006	.0442104	.2573487
youth_in_home	1.832783	.411181	4.46	0.000	1.026883	2.638683
female	.3396455	.3905018	0.87	0.384	-.425724	1.105015
age_in_yrs	-.000534	.0155434	-0.03	0.973	-.0309984	.0299305
wealth	.3727945	.142349	2.62	0.009	.0937956	.6517935
_cons	38.42731	2.454104	15.66	0.000	33.61736	43.23727

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	4.083863	1.675688	1.827286	9.127161
<b>municipio:</b> Identity				
sd(_cons)	2.302277	.8252055	1.14041	4.647869
<b>comm:</b> Identity				
sd(_cons)	4.917229	.4003087	4.192032	5.76788
sd(Residual)	29.54704	.136926	29.27989	29.81663

LR test vs. linear regression:      chi2(3) =   **864.56**    Prob > chi2 = **0.0000**

Note: [LR test is conservative](#) and provided only for reference.

Trust in Police Model

Model **b18r**

Mixed-effects ML regression      Number of obs      =      **23790**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	4	4139	5947.5	7432
<b>municipio</b>	14	498	1699.3	4347
<b>comm</b>	129	1	184.4	360

Log likelihood = **-114275.79**Wald chi2(11) = **152.06**  
Prob > chi2 = **0.0000**

bl8r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps Treatment	<b>-3.453579</b>	<b>.9202675</b>	<b>-3.75</b>	<b>0.000</b>	<b>-5.25727</b>	<b>-1.649888</b>
time						
1	<b>-2.80304</b>	<b>.7314063</b>	<b>-3.83</b>	<b>0.000</b>	<b>-4.23657</b>	<b>-1.36951</b>
2	<b>-1.889666</b>	<b>.6503271</b>	<b>-2.91</b>	<b>0.004</b>	<b>-3.164283</b>	<b>-.615048</b>
treatment Treated	<b>3.78502</b>	<b>.899927</b>	<b>4.21</b>	<b>0.000</b>	<b>2.021196</b>	<b>5.548845</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>2.034552</b>	<b>.9994697</b>	<b>2.04</b>	<b>0.042</b>	<b>.0756275</b>	<b>3.993477</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>.005475</b>	<b>.0143634</b>	<b>0.38</b>	<b>0.703</b>	<b>-.0226767</b>	<b>.0336267</b>
yrs_of_ed	<b>-.0826007</b>	<b>.0535785</b>	<b>-1.54</b>	<b>0.123</b>	<b>-.1876127</b>	<b>.0224113</b>
youth_in_home	<b>.9101194</b>	<b>.4052563</b>	<b>2.25</b>	<b>0.025</b>	<b>.1158316</b>	<b>1.704407</b>
female	<b>.8417479</b>	<b>.385125</b>	<b>2.19</b>	<b>0.029</b>	<b>.0869167</b>	<b>1.596579</b>
age_in_yrs	<b>.1059332</b>	<b>.0153183</b>	<b>6.92</b>	<b>0.000</b>	<b>.0759098</b>	<b>.1359565</b>
wealth	<b>-.559857</b>	<b>.1403458</b>	<b>-3.99</b>	<b>0.000</b>	<b>-.8349298</b>	<b>-.2847842</b>
_cons	<b>44.60006</b>	<b>6.117647</b>	<b>7.29</b>	<b>0.000</b>	<b>32.60969</b>	<b>56.59043</b>

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	<b>11.9556</b>	<b>4.299104</b>	<b>5.90865</b>	<b>24.19102</b>
<b>municipio:</b> Identity				
sd(_cons)	<b>2.517602</b>	<b>.7540215</b>	<b>1.399756</b>	<b>4.528161</b>
<b>comm:</b> Identity				
sd(_cons)	<b>3.485035</b>	<b>.3325738</b>	<b>2.890532</b>	<b>4.201812</b>
sd(Residual)	<b>29.38552</b>	<b>.1350842</b>	<b>29.12194</b>	<b>29.65147</b>

LR test vs. linear regression: chi2(3) = **3989.15** Prob > chi2 = **0.0000**Note: [LR test is conservative](#) and provided only for reference.

Sat w/ Police Model

Model **pole2r**Mixed-effects ML regression Number of obs = **23310**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>3944</b>	<b>5827.5</b>	<b>7257</b>
<b>municipio</b>	<b>14</b>	<b>468</b>	<b>1665.0</b>	<b>4314</b>
<b>comm</b>	<b>129</b>	<b>1</b>	<b>180.7</b>	<b>358</b>

Log likelihood = **-105971.02**      Wald chi2(11) = **172.59**  
 Prob > chi2 = **0.0000**

pole2r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>-1.823494</b>	<b>.7960628</b>	<b>-2.29</b>	<b>0.022</b>	<b>-3.383748</b>	<b>-.2632396</b>
time						
1	<b>-1.594337</b>	<b>.5713269</b>	<b>-2.79</b>	<b>0.005</b>	<b>-2.714117</b>	<b>-.4745567</b>
2	<b>.0475212</b>	<b>.5077229</b>	<b>0.09</b>	<b>0.925</b>	<b>-.9475973</b>	<b>1.04264</b>
treatment						
Treated	<b>2.096445</b>	<b>.702696</b>	<b>2.98</b>	<b>0.003</b>	<b>.7191863</b>	<b>3.473704</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>1.537475</b>	<b>.7809976</b>	<b>1.97</b>	<b>0.049</b>	<b>.0067477</b>	<b>3.068202</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>-.0088293</b>	<b>.0112414</b>	<b>-0.79</b>	<b>0.432</b>	<b>-.0308621</b>	<b>.0132035</b>
yrs_of_ed	<b>-.1763155</b>	<b>.0418144</b>	<b>-4.22</b>	<b>0.000</b>	<b>-.2582702</b>	<b>-.0943607</b>
youth_in_home	<b>.6247988</b>	<b>.3162559</b>	<b>1.98</b>	<b>0.048</b>	<b>.0049486</b>	<b>1.244649</b>
female	<b>.4277782</b>	<b>.3006531</b>	<b>1.42</b>	<b>0.155</b>	<b>-.161491</b>	<b>1.017047</b>
age_in_yrs	<b>.0785011</b>	<b>.0119544</b>	<b>6.57</b>	<b>0.000</b>	<b>.055071</b>	<b>.1019312</b>
wealth	<b>-.4478758</b>	<b>.1097224</b>	<b>-4.08</b>	<b>0.000</b>	<b>-.6629278</b>	<b>-.2328238</b>
_cons	<b>47.34025</b>	<b>3.217533</b>	<b>14.71</b>	<b>0.000</b>	<b>41.034</b>	<b>53.6465</b>

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	<b>6.141196</b>	<b>2.224588</b>	<b>3.019351</b>	<b>12.49086</b>
<b>municipio:</b> Identity				
sd(_cons)	<b>1.246469</b>	<b>.575407</b>	<b>.5043611</b>	<b>3.080501</b>
<b>comm:</b> Identity				
sd(_cons)	<b>3.343125</b>	<b>.2849086</b>	<b>2.828859</b>	<b>3.950881</b>
sd(Residual)	<b>22.70269</b>	<b>.1054347</b>	<b>22.49698</b>	<b>22.91028</b>

LR test vs. linear regression:      chi2(3) = **1751.24**      Prob > chi2 = **0.0000**

Note: [LR test is conservative](#) and provided only for reference.

Interpersonal Trust Model

Model **it1r**

Mixed-effects ML regression

Number of obs = 23775

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>4161</b>	<b>5943.8</b>	<b>7400</b>
<b>municipio</b>	<b>14</b>	<b>494</b>	<b>1698.2</b>	<b>4328</b>
<b>comm</b>	<b>129</b>	<b>1</b>	<b>184.3</b>	<b>360</b>

Log likelihood = -111497.32      Wald chi2(11) = 237.23  
 Prob > chi2 = 0.0000

itlrl	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>-.9713304</b>	<b>1.007916</b>	<b>-0.96</b>	<b>0.335</b>	<b>-2.946809</b>	<b>1.004148</b>
time						
1	<b>-2.93317</b>	<b>.6528747</b>	<b>-4.49</b>	<b>0.000</b>	<b>-4.212781</b>	<b>-1.653559</b>
2	<b>-4.282091</b>	<b>.5808562</b>	<b>-7.37</b>	<b>0.000</b>	<b>-5.420548</b>	<b>-3.143634</b>
treatment						
Treated	<b>1.885105</b>	<b>.802952</b>	<b>2.35</b>	<b>0.019</b>	<b>.3113484</b>	<b>3.458862</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>1.296543</b>	<b>.895517</b>	<b>1.45</b>	<b>0.148</b>	<b>-.4586381</b>	<b>3.051724</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>.0777476</b>	<b>.0128814</b>	<b>6.04</b>	<b>0.000</b>	<b>.0525005</b>	<b>.1029947</b>
yrs_of_ed	<b>.2637663</b>	<b>.0478382</b>	<b>5.51</b>	<b>0.000</b>	<b>.1700051</b>	<b>.3575274</b>
youth_in_home	<b>-.2848394</b>	<b>.3613525</b>	<b>-0.79</b>	<b>0.431</b>	<b>-.9930773</b>	<b>.4233985</b>
female	<b>-1.40376</b>	<b>.3434252</b>	<b>-4.09</b>	<b>0.000</b>	<b>-2.076861</b>	<b>-.730659</b>
age_in_yrs	<b>.0584554</b>	<b>.0136704</b>	<b>4.28</b>	<b>0.000</b>	<b>.0316618</b>	<b>.0852489</b>
wealth	<b>.1239939</b>	<b>.12514</b>	<b>0.99</b>	<b>0.322</b>	<b>-.121276</b>	<b>.3692638</b>
_cons	<b>54.35815</b>	<b>1.418258</b>	<b>38.33</b>	<b>0.000</b>	<b>51.57842</b>	<b>57.13789</b>

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	<b>.0000186</b>	<b>.0001989</b>	<b>1.46e-14</b>	<b>23668.03</b>
<b>municipio:</b> Identity				
sd(_cons)	<b>3.390324</b>	<b>.8040389</b>	<b>2.129967</b>	<b>5.396468</b>
<b>comm:</b> Identity				
sd(_cons)	<b>4.621543</b>	<b>.361727</b>	<b>3.964274</b>	<b>5.387786</b>
sd(Residual)	<b>26.18869</b>	<b>.120675</b>	<b>25.95323</b>	<b>26.42628</b>

LR test vs. linear regression:      chi2(3) = 820.61      Prob > chi2 = 0.0000

Note: [LR test is conservative](#) and provided only for reference.

Sat w/ Demo Model



Model **pn4r**Mixed-effects ML regression Number of obs = **23405**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>4128</b>	<b>5851.3</b>	<b>7257</b>
<b>municipio</b>	<b>14</b>	<b>495</b>	<b>1671.8</b>	<b>4246</b>
<b>comm</b>	<b>129</b>	<b>1</b>	<b>181.4</b>	<b>352</b>

Log likelihood = **-105693.65** Wald chi2(11) = **140.24**  
 Prob > chi2 = **0.0000**

pn4r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>-4.405873</b>	<b>.6761323</b>	<b>-6.52</b>	<b>0.000</b>	<b>-5.731068</b>	<b>-3.080678</b>
time						
1	<b>-4.256807</b>	<b>.5532442</b>	<b>-7.69</b>	<b>0.000</b>	<b>-5.341146</b>	<b>-3.172468</b>
2	<b>-2.351108</b>	<b>.4924422</b>	<b>-4.77</b>	<b>0.000</b>	<b>-3.316277</b>	<b>-1.385939</b>
treatment						
Treated	<b>3.031997</b>	<b>.6809764</b>	<b>4.45</b>	<b>0.000</b>	<b>1.697307</b>	<b>4.366686</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>3.42154</b>	<b>.7537882</b>	<b>4.54</b>	<b>0.000</b>	<b>1.944142</b>	<b>4.898937</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>.0592353</b>	<b>.0108614</b>	<b>5.45</b>	<b>0.000</b>	<b>.0379473</b>	<b>.0805232</b>
yrs_of_ed	<b>-.0243649</b>	<b>.0404728</b>	<b>-0.60</b>	<b>0.547</b>	<b>-.10369</b>	<b>.0549603</b>
youth_in_home	<b>1.239403</b>	<b>.3064365</b>	<b>4.04</b>	<b>0.000</b>	<b>.6387987</b>	<b>1.840008</b>
female	<b>.30968</b>	<b>.2913589</b>	<b>1.06</b>	<b>0.288</b>	<b>-.261373</b>	<b>.880733</b>
age_in_yrs	<b>-.0063355</b>	<b>.0115971</b>	<b>-0.55</b>	<b>0.585</b>	<b>-.0290653</b>	<b>.0163944</b>
wealth	<b>.0162988</b>	<b>.1061452</b>	<b>0.15</b>	<b>0.878</b>	<b>-.191742</b>	<b>.2243396</b>
_cons	<b>46.4029</b>	<b>2.695204</b>	<b>17.22</b>	<b>0.000</b>	<b>41.12039</b>	<b>51.6854</b>

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	<b>5.026329</b>	<b>1.869752</b>	<b>2.424438</b>	<b>10.42055</b>
<b>municipio:</b> Identity				
sd(_cons)	<b>1.881409</b>	<b>.60365</b>	<b>1.003171</b>	<b>3.528508</b>
<b>comm:</b> Identity				
sd(_cons)	<b>2.463505</b>	<b>.239544</b>	<b>2.036034</b>	<b>2.980724</b>
sd(Residual)	<b>22.04534</b>	<b>.1021576</b>	<b>21.84602</b>	<b>22.24648</b>

LR test vs. linear regression: chi2(3) = **1277.80** Prob > chi2 = **0.0000**Note: [LR test is conservative](#) and provided only for reference.

Govt handling of security Model

Model **nl1r**Mixed-effects ML regression Number of obs = **23684**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>4117</b>	<b>5921.0</b>	<b>7397</b>
<b>municipio</b>	<b>14</b>	<b>496</b>	<b>1691.7</b>	<b>4348</b>
<b>comm</b>	<b>129</b>	<b>1</b>	<b>183.6</b>	<b>357</b>

Log likelihood = **-111553.8** Wald chi2(11) = **430.83**  
 Prob > chi2 = **0.0000**

nl1r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>.7471337</b>	<b>.8273104</b>	<b>0.90</b>	<b>0.366</b>	<b>-.8743648</b>	<b>2.368632</b>
time						
1	<b>7.48886</b>	<b>.6673367</b>	<b>11.22</b>	<b>0.000</b>	<b>6.180904</b>	<b>8.796816</b>
2	<b>6.490959</b>	<b>.5942308</b>	<b>10.92</b>	<b>0.000</b>	<b>5.326288</b>	<b>7.65563</b>
treatment						
Treated	<b>-.535717</b>	<b>.8224441</b>	<b>-0.65</b>	<b>0.515</b>	<b>-2.147678</b>	<b>1.076244</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>2.135103</b>	<b>.9108505</b>	<b>2.34</b>	<b>0.019</b>	<b>.3498691</b>	<b>3.920337</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>.0279068</b>	<b>.0130995</b>	<b>2.13</b>	<b>0.033</b>	<b>.0022323</b>	<b>.0535813</b>
yrs_of_ed	<b>-.0790782</b>	<b>.0486632</b>	<b>-1.63</b>	<b>0.104</b>	<b>-.1744564</b>	<b>.0162999</b>
youth_in_home	<b>1.048166</b>	<b>.370028</b>	<b>2.83</b>	<b>0.005</b>	<b>.3229247</b>	<b>1.773408</b>
female	<b>.67578</b>	<b>.3517174</b>	<b>1.92</b>	<b>0.055</b>	<b>-.0135734</b>	<b>1.365133</b>
age_in_yrs	<b>-.0091174</b>	<b>.0139723</b>	<b>-0.65</b>	<b>0.514</b>	<b>-.0365025</b>	<b>.0182678</b>
wealth	<b>.0882945</b>	<b>.1281316</b>	<b>0.69</b>	<b>0.491</b>	<b>-.1628389</b>	<b>.3394279</b>
_cons	<b>38.53657</b>	<b>3.880574</b>	<b>9.93</b>	<b>0.000</b>	<b>30.93078</b>	<b>46.14235</b>

Random-effects Parameters		Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity					
	sd(_cons)	<b>7.460515</b>	<b>2.686706</b>	<b>3.68325</b>	<b>15.11146</b>
<b>municipio:</b> Identity					
	sd(_cons)	<b>1.354188</b>	<b>.552344</b>	<b>.6088244</b>	<b>3.012074</b>
<b>comm:</b> Identity					
	sd(_cons)	<b>3.075523</b>	<b>.2912624</b>	<b>2.554509</b>	<b>3.702804</b>
	sd(Residual)	<b>26.77243</b>	<b>.1233322</b>	<b>26.53179</b>	<b>27.01525</b>

LR test vs. linear regression: chi2(3) = **1979.48** Prob > chi2 = **0.0000**Note: [LR test is conservative](#) and provided only for reference.

Perc of Insecurity when walking alone Model

Model **fear4r**Mixed-effects ML regression Number of obs = **23873**

Group Variable	No. of Groups	Observations per Group		
		Minimum	Average	Maximum
<b>pais</b>	<b>4</b>	<b>4179</b>	<b>5968.3</b>	<b>7426</b>
<b>municipio</b>	<b>14</b>	<b>498</b>	<b>1705.2</b>	<b>4332</b>
<b>comm</b>	<b>129</b>	<b>1</b>	<b>185.1</b>	<b>359</b>

Log likelihood = **-115314.37** Wald chi2(11) = **299.13**  
 Prob > chi2 = **0.0000**

fear4r	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
treat_contr_grps						
Treatment	<b>4.248975</b>	<b>1.283554</b>	<b>3.31</b>	<b>0.001</b>	<b>1.733256</b>	<b>6.764694</b>
time						
1	<b>4.224407</b>	<b>.750316</b>	<b>5.63</b>	<b>0.000</b>	<b>2.753815</b>	<b>5.695</b>
2	<b>4.124592</b>	<b>.6669461</b>	<b>6.18</b>	<b>0.000</b>	<b>2.817401</b>	<b>5.431782</b>
treatment						
Treated	<b>-6.041313</b>	<b>.9215242</b>	<b>-6.56</b>	<b>0.000</b>	<b>-7.847467</b>	<b>-4.235158</b>
treatment#time						
Treated#0	0 (empty)					
Treated#1	<b>3.604694</b>	<b>1.030054</b>	<b>3.50</b>	<b>0.000</b>	<b>1.585825</b>	<b>5.623563</b>
Treated#2	0 (omitted)					
yrs_in_neighb	<b>-.1463944</b>	<b>.0148072</b>	<b>-9.89</b>	<b>0.000</b>	<b>-.175416</b>	<b>-.1173728</b>
yrs_of_ed	<b>.0869793</b>	<b>.0549971</b>	<b>1.58</b>	<b>0.114</b>	<b>-.0208131</b>	<b>.1947718</b>
youth_in_home	<b>.5030674</b>	<b>.4149581</b>	<b>1.21</b>	<b>0.225</b>	<b>-.3102356</b>	<b>1.31637</b>
female	<b>3.883042</b>	<b>.3942716</b>	<b>9.85</b>	<b>0.000</b>	<b>3.110284</b>	<b>4.6558</b>
age_in_yrs	<b>.0433829</b>	<b>.0157234</b>	<b>2.76</b>	<b>0.006</b>	<b>.0125656</b>	<b>.0742001</b>
wealth	<b>-.3411836</b>	<b>.1437927</b>	<b>-2.37</b>	<b>0.018</b>	<b>-.6230121</b>	<b>-.0593552</b>
_cons	<b>50.01946</b>	<b>1.72907</b>	<b>28.93</b>	<b>0.000</b>	<b>46.63055</b>	<b>53.40837</b>

Random-effects Parameters	Estimate	Std. Err.	[95% Conf. Interval]	
<b>pais:</b> Identity				
sd(_cons)	<b>.2363178</b>	<b>3.126146</b>	<b>1.30e-12</b>	<b>4.30e+10</b>
<b>municipio:</b> Identity				
sd(_cons)	<b>4.133306</b>	<b>1.077021</b>	<b>2.480269</b>	<b>6.888051</b>
<b>comm:</b> Identity				
sd(_cons)	<b>6.291542</b>	<b>.5447315</b>	<b>5.309563</b>	<b>7.455134</b>
sd(Residual)	<b>30.12179</b>	<b>.1388482</b>	<b>29.85088</b>	<b>30.39516</b>

LR test vs. linear regression: chi2(3) = **1019.26** Prob > chi2 = **0.0000**Note: [LR test is conservative](#) and provided only for reference.