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Section C

Modeling Juvenile Violence

Predicted Probability of Violence Perpetration

- What is the predicted probability of violence perpetration given the presence of key risk and protective factors?

Predicted Probability of Violence Perpetration

Predicted Probabilities of Violence Perpetration Among Teens in Two-Parent Families Not on Welfare (Controlling for Age)

No. of Protective Factors	Family Connectedness	Connectedness to Other Adults/Religiosity*	GPA	Boys		Girls	
				No Risk	All Risks**	No Risk	All Risks**
0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10

* Protective factor: Boys: Connectedness to other adults; Girls: Religiosity

** Risk factors: Friend/family suicide, substance use, easy access to firearm in home.

Predicted Probability of Violence Perpetration

Predicted Probabilities of Violence Perpetration Among Teens in Two-Parent Families Not on Welfare (Controlling for Age)

No. of Protective Factors	Family Connectedness	Connectedness to Other Adults/Religiosity*	GPA	Boys		Girls	
				No Risk	All Risks**	No Risk	All Risks**
0	Low	Low	Low	23.2%	52.7%	11.4%	31.6%
1	High	Low	Low	19.1%	46.5%	9.1%	26.6%
1	Low	High	Low	19.1%	46.7%	10.1%	29.0%
1	Low	Low	High	11.9%	33.4%	5.0%	15.9%
2	Low	High	High	9.6%	28.2%	4.4%	14.2%
2	High	Low	High	9.6%	28.1%	3.9%	12.9%
2	High	High	Low	15.6 %	40.6%	8.1%	24.2%
3	High	High	High	7.7%	23.5%	3.5%	11.5%

* Protective factor: Boys: Connectedness to other adults; Girls: Religiosity

** Risk factors: Friend/family suicide, substance use, easy access to firearm in home.

Interventions

- Interventions that reduce violence

Individual-Level Interventions

- Psychotherapy (-)
- Behavior modifications (\pm)
- Scare/fear based (-)
- Cognitive-behavioral (+)
- Self-esteem building (-,-)
- Anger management (-)
- Drug treatment (+)

Parent-Level Interventions

- Positive parenting (+)
- Home visitation programs (+)
- Multi-systemic therapy (MST) (+)

School-Level Interventions

- Bullying prevention (+)
 - Dan Olweus, University of Bergen, Norway
 - Delbert Elliott, University of Colorado, Center for Violence Prevention
- Classroom management (+)

Community-Level Interventions

- Community rebuilding (+)
- Community policing (+)
- Gang reduction (-)
- Mentoring (+)
- School/community/parent interventions (+)

Lessons Learned from Violence-Prevention Programs

1. Family-based multilevel interventions appear to be most promising
2. Comprehensive and practical programs
3. Start prevention early
4. Effective programs understand the contexts in which violence occurs
5. Focus on high crime neighborhoods & schools
6. All stakeholders need to be committed
7. Careful replications and implementation of effective programs is critical
8. Popular programs \neq successful programs