Partner Abuse with Offender Alcohol Use

Proportion of Incidents with Offender Alcohol Use

Database 1: Family maltreatment incidents
- 1/1/2000 - 8/15/2013
- All family maltreatment incidents in USAF

Database 2: USAF deployments
- 10/1/2002 - 10/31/2008
- Deployment start/end dates

Database 3: Maltreatment & Deployments

Do rates of maltreatment increase after experiencing a combat-deployment?

- Deployers vs. non-deployers?
- Relative to rates pre-deployment?
- Are rates due to stress/PTSD/Depression?
Study 1
- Rates of partner abuse among abusive couples

4,874 abusive couples perpetrated 7,003 incidents

Study 2
- Rates of partner abuse among all married deployers

150,396 married deployers (3,524 offenders) perpetrated 4,390 incidents

Study 3
- Rates of child maltreatment with active-duty offender

2,287 child victims experienced 2,695 incidents

Study 4
- Rates of child maltreatment with civilian offender

2,442 child victims experienced 2,879 incidents

Overall rates post- vs. pre-deployment

- Overall rates pre-deployment:
  - 1,026 incidents pre-deployment/1,592,428 person days = ~6.44 incidents per 10,000 person days
  - 3,263 incidents pre-deployment/4,072,218 person days = ~8.01 incidents per 10,000 person days

- Overall rates post-deployment:
  - 1,537 incidents post-deployment/2,675,192 person days = ~5.74 incidents per 10,000 person days
  - 3,740 incidents post-deployment/5,604,299 person days = ~6.67 incidents per 10,000 person days
Dose-response: Total number of deployments

- One Deployment
- >1 Deployment

Dose-response: Total length of all deployments

- 1-3 months
- 3-6 months
- 6-12 months
- 12+ months

What about gender?

- Male Offender
- Female Offender
- Bidirectional

CM rates by type of maltreatment

- Physical Abuse
- Neglect
- Emotional Abuse
Rates during deployment among civilian parent offenders

In general, the past experience of deployment does not seem to be a risk factor. However, the current experience of deployment seems to be a risk factor for child maltreatment (especially neglect).

Why the belief that deployments increase maltreatment?

Not unfounded, child maltreatment does increase during deployments.

Availability Heuristic: Base rate neglect

Rates of "severe" incidents increase after deployments. Nonetheless, this may contribute to the perception that deployments cause family maltreatment. However, these incidents are relatively rare.

We need to figure out why so many families do fine, but a small few experience problems.
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Study Characteristics

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<thead>
<tr>
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<th>Unit of Analysis</th>
<th>Number of Incidents</th>
<th>Days “Exposed” Total (pre/post)</th>
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<tbody>
<tr>
<td>PA among abusive couples</td>
<td>4,874 couples</td>
<td>7,003</td>
<td>9,676,537</td>
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<td></td>
<td></td>
<td></td>
<td>(4,072,218/5,604,299)</td>
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<tr>
<td>PA among all married</td>
<td>156,296</td>
<td>4,090</td>
<td>308,197,653</td>
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<tr>
<td>deployers</td>
<td>(3,524 offenders)</td>
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<td>(136,521,226/171,676,427)</td>
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<td>CM-deployed parents</td>
<td>2,287 child victims</td>
<td>2,563</td>
<td>4,267,620</td>
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<td></td>
<td></td>
<td></td>
<td>(1,592,428/2,675,192)</td>
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<tr>
<td>CM-civilian parents</td>
<td>2,442 child victims</td>
<td>2,879</td>
<td>5,048,456</td>
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<td>(1,964,438/3,083,980)</td>
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Types of Maltreatment

Survival Analysis for Partner Abuse

McCarroll et al., 2008

Rentz et al., 2007
Gibbs et al., 2007

Sample: 26,835 married, active duty Army males and females during 1990-1994

DV: CTS

McCarroll et al., 2000

Sample: 26,835 married, active duty Army males and females during 1990-1994

DV: CTS

McCarroll et al., 2003

Sample: 712 married, active duty Army males who completed 6-month deployment to Bosnia and 313 non-deploying, married, active duty Army males

DV: CTS

Newby et al., 2005

Sample: 936 civilian wives of active duty Army males who completed 6-month deployment to Bosnia and 528 civilian wives of non-deploying, active duty Army males

DV: CTS