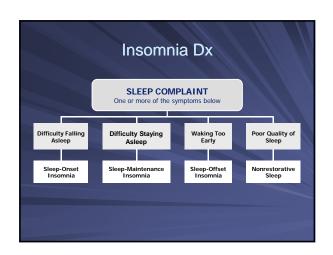
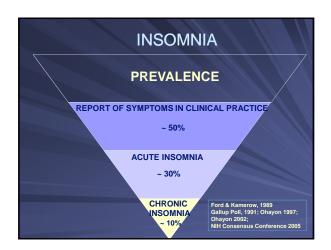
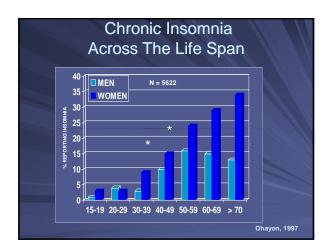
# Interpersonal Violence: Bridging Research & Practice October 21, 2010 Rochester, NY Sleep & Domestic Violence Wilfred R. Pigeon, PhD, CBSM Assistant Professor of Psychiatry Director, Sleep & Neurophysiology Research Lab University of Rochester Medical Center Clinical Researcher, VA Center of Excellence at Canandaigua &

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# A Quick Outline Background Intro to sleep distrubances Sleep disturbances in traumatized populations Review of sleep literature in IPV populations Our Preliminary Work & Data Our Developing Vision Discussion



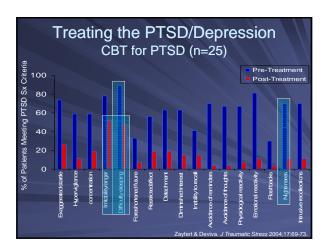




	Insomnia is an Independent Risk Factor for:
1 1 1 1	Hypertension & Glucose Intolerance Substance Abuse & Relapse New Onset & Recurrent Depression Mania Suicide

"Without enough sleep, we all become tall two-year-olds." -- JoJo Jensen, Dirt Farmer Wisdom, 2002 Co-Morbid Insomnia is Pervasive ■ ≥ 50% Prevalence in Depression, Generalized Anxiety & Trauma/PTSD ■ ≥ 50% Prevalence in Chronic Pain, Diabetes & Traumatic Brain Injury. Co-Morbid Insomnia is Treatment Resistant (when not directly targeted) ■ ~ 50% of Patients with PTSD or Depression who remit following treatment (Behavioral or Pharmacologic) have residual insomnia

# Trauma/PTSD & Sleep Disturbance Insomnia & Nightmares among the most frequently endorsed PTSD Sxs To-85% of chronic PTSD patients (civilian and combat) report sleep problems and/or nightmares. Ohayon & Shapiro. Comprehensive Psychiatry 2000: 41:469-78. Breslau & Davis. AM J Psychiatry 1992;149:671-675.



#### Sleep and Domestic Violence

- Little research has been done on the connection between sleep and domestic violence.
- The first known research is the "Effect of Music Therapy on the Anxiety Levels and Sleep Patterns of Abused Women in Shelters" by Eugenia Hernandez-Ruiz in 2005 (Journal of Music Therapy).

#### Sleep and Domestic Violence\*

- Walker, Logan, and Shannon presented further findings in December (2007). [Disturbed Sleep & Victimization. Brown Bag PowerPoint Presentation at the University of Rochester.]
  - Sleep disturbance is a long term and enduring effect of victimization.
  - Once the sleep cycle has been disturbed due to victimization it my not self correct even when the imminent threat of domestic violence has been reduced or removed.
  - Clinical practice should consider close assessment of sleep disorder as an independent condition among violence victims rather than simply seeing it as a symptom of PTSD or depression.

Side adapted from: Walker, R., Logan, T. K., & Shannon, L. (July 2007). Presented at: International Family Vicinetice and Child Vicinization Research Conference, Portisrouth, N.H. Copy of presentation in pdf found at: A.412755-01 National Institute on Alcohol Abuse and Alcoholism and the University of Kentucky General Chinical Research Organization funded by the National Institute of Health Grant Programment of the China Ch

Why is it the case that insomnia in particular tends to persist?

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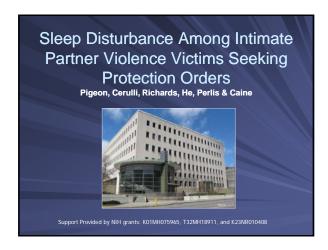
## WORRY RUMINATION INTRUSIVE THOUGHTS SELECTIVE ATTENTION SLEEP RELATED INTENTION AND EFFORT SAFETY BEHAVIORS

How does the sleep environment contribute to sleep disturbance?

An example from sleep in deployed military service members...

### Unique Features of Insomnia in the Context of Trauma & Partner Violence

- The presence of nightmares
- The sleep environment is not safe
- Conditioned alertness/wakefulness
- Sleep avoidance
- Fear of sleep



#### Sample Characteristics (N = 121) Mean Age (sd) 34.6 (10.9) Race White 41.5% African- American Hispanic 16.1% Other 2.4% 60.2% Employed ('yes') 24% % Living in poverty PTSD (cutoff is 46): 55.8 (30.9) CESD (cutoff is 16) 27.58 (12.89)

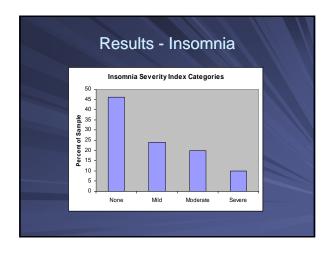
#### Insomnia Severity Index (ISI) - 7 items scored on a 0-4 scale ■ Two Nightmare Questions (frequency and severity) Fear of Sleep Inventory (FoSI): - 23 items - 0-4 scale ('not at all' -to 'nearly every night') - on such items as:

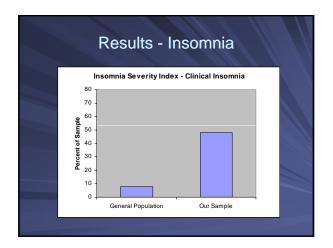
Sleep Measures In Our Project:

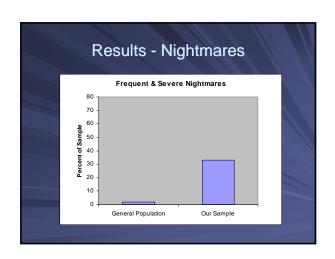
I woke up in the night and I was terrified of returning to sleep. I felt that it was dangerous to fall asleep.

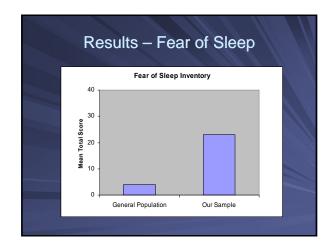
I was fearful of letting my guard down while sleeping.

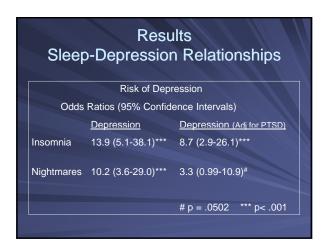
- I avoided going to sleep because I thought I would have really bad dreams











# Study Summary & Conclusions No surprise that sleep disturbances are: prevalent in an IPV cohort presenting at family court Strongly associated with depression Driven in part by the 'Fear of Sleep' construct, which appears to be active in these women

#### Study Summary & Conclusions

- The findings suggest that:
  - Addressing sleep disturbance may be one way reduce mental health (and medical) burden and improve function
  - Tailored treatment is probably indicated
  - There are some testable hypotheses to investigate

#### Where Do We Go From Here?



#### Study Summary & Conclusions

- Questions that are raised include:
  - Do women view sleep disturbance as a high priority?
  - Do they want it addressed? How? Where ?
  - Do they want to participate in clinical trials?
  - What about Male IPV victims?

### Some Thank Yous Before Discussion

"The best bridge between despair and hope is a good night's sleep."

-- E. Joseph Cossman

### Laboratory for Interpersonal Violence (LIVV)

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- Administrator: Christina Smith
- Community Partners: Ronald Pawelzak and Cathy Mazzotta
- Statistics: Xin Tu, PhD, Hua He, PhD, and Kimberly Kaukinen



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