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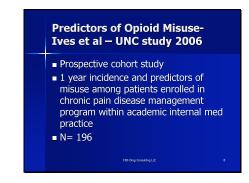
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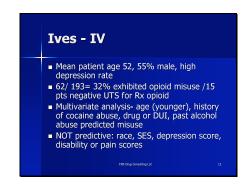
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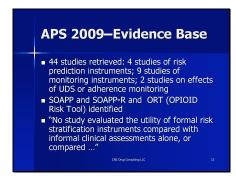




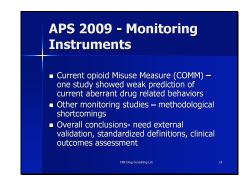
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Recommendations: Methods and Variables

■ Trial Design Innovations: Include prospective and systematic assessment of non-medical use (patients) or by others (abuse/diversion within family household— a challenge!!) Capture rather than lose the data..

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Recommendations: Patient Variables

- Include high risk patients with comorbidity: history of pain and substance abuse disorder (alcohol, substance abuse — broadly define or consider prescription drug abuse history)
- Study Analysis plans can stratify and adjust for risk

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Explore Assessment Measures

- Characterize study patients SOAPP, COMM, ?
- Family-household members Obtain history at a minimum!
- Adherence Routine UDS; Explore electronic recording of dose/ tablet administration

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Other Trial Design Thoughts Formal characterization of household risk-analyze as a variable Incorporate electronic monitoring of clinical try drug supply Routine UDS— only useful if systematic as is routinely done in addiction trials Measurement of "aberrant behaviors"/ non-adherence can be formally analyzed, even early protocol-specified terminations— DATA Example—patient discontinued due to repeated UDS results

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Systematic assessment of risk outcomes

- Consider comparative trials, particularly if investigational medication hypothesized to be "lower risk" than standard, comparator opioid analgesic product
- Potential to differentiate product from class—new products putative characteristics
- Implications for label and for REMS

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References

- Chou et al, Opioids for Chronic Noncancer pain: Prediction and Identification of Abrerant Drug-Related behaviors:.... J. of Pain, (10:2) Feb 2009, 131-146
 Ives et al, Predictors of opioid misuse in patients with chronic pain: a prospective cohort study, BMC Health Services Research 2006 (6:46)
 Turk et al, Core outcome domains for chronic pain clinical trials: IMMPACT recommendations, Pain 2003 (106) 337-345