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Gender and Race Differences in Juvenile Mental Health Symptoms: MAYSI-2 National Norm Study  
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Research Questions
1. Are there differences between gender and racial/ethnic groups in the reporting of clinically significant levels of mental health symptoms on the MAYSI-2 instrument?  
2. Where differences exist, were these differences consistent?  
3. Variations across all sites and across demographic subgroups?

Sample Characteristics
N=70,423 from 283 facilities in 19 states  
- Gender: Boys ~ 78% Girls ~ 22%  
- Age (years): 12-14 ~ 29% 15-17 ~ 71%  
- Ethnicity/Race: Black ~ 33% Hispanic ~ 24% White ~ 39% Other ~ 2%  
- Gate (larger for pre-adjudicated youths): Pretrial Detention ~ 42% Corrections ~ 22% Probation ~ 36%  
- Time of MAYSI-2 Administration: First few hours ~ 56% 6 to 24 hrs ~ 32% ~/> 48 hrs ~ 12%  
- Region: East ~ 17% Midwest ~ 44% South ~ 17% Northeast ~ 22%  
- Time of MAYSI-2 Administration (hrs after intake): Boys ~ 12-14 ~ 30% 15-17 ~ 70% Girls ~ 12-14 ~ 35% 15-17 ~ 65%  
- aggregate-level Gender Differences  
- Large Effects: OI = 2.4  
- Medium Effects: OI = 1.8  
- Small Effects: OI = 1.4  
- No Effect: OI = 1.0

Conclusions
Girls in JJ were much more likely than boys to report clinically significant levels of symptoms

- Gender Effect Averaged Across Sites
- Large Effects:
  - Suicide Ideation OR = 2.4  
- Medium Effects:
  - Depressed-Anxious OR = 1.95 – 2.14  
  - Somatic Complaints OR = 1.8  
- Small Effects:
  - Alcohol-Drug Problems OR = 1.04, but interacted with boys vs. girls: 12-14 year olds – girls vs. boys (OR=1.0)  
  - 15-17 year olds – no gender difference  

- Aggregate-level Race Differences
- Large Effects:
  - Alcohol-Drug Problems OR = 1.7, but interacted with age: 12-14 year olds – girls > boys (OR=1.7)  
  - 15-17 year olds – no racial difference  
- Medium Effects:
  - Depressed-Anxious OR = 1.8  
  - Somatic Complaints OR = 1.4  
- Small Effects:
  - Alcohol-Drug Problems OR = 1.04, but interacted with age: 12-14 year olds – girls > boys (OR=1.0)  
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- Meta-analytic Procedures
- Use of Analysis: Forest Plots  
- Separate Analysis for Each MAYSI-2 Clinical Scale  
- Meta-analytic Procedures
- Calculated Odds Ratios  
- ORs weighted for sample size  
- Meta-analytic Procedures
- Cochran-Mantel-Haenszel (CMH)  
- Test Homogeneity of ORs  
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