UNIVERSITY of DENVER

A Demographic and Historical Portrait of Individuals with Traumatic Brain Injuries Involved in the Colorado Justice System

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BACKGROUND

Research indicates that traumatic brain injury (TBI) is related to poor impulse control, aggression, poor attention, and higher risk for psychiatric and substance use disorders (Timonen et al., 2002). Those symptoms can impact the behaviors of justice-involved individuals, which may increase recidivism rates and contribute to other problems (Williams et al., 2010). Therefore, it is important to establish base rates of injury history as well as psychiatric and substance abuse histories among justice- involved persons.

PARTICIPANTS

The TBI Implementation Grant database, DU IRB Protocol #674894-2, was used for this study. The database includes data from adult and juvenile probationers and persons incarcerated in any one of four county jails.

Individuals were screened by jail and probation staff using the Ohio State University Traumatic Brain Injury Identification Method (OSU-TBI-ID, Corrigan & Bogner, 2007, 2009). Those indicating a positive history of traumatic brain injury then participated in a neuropsychological screening battery, including effort tests and a clinical interview (Gorgens, 2010).

CONCLUSION

Key Findings

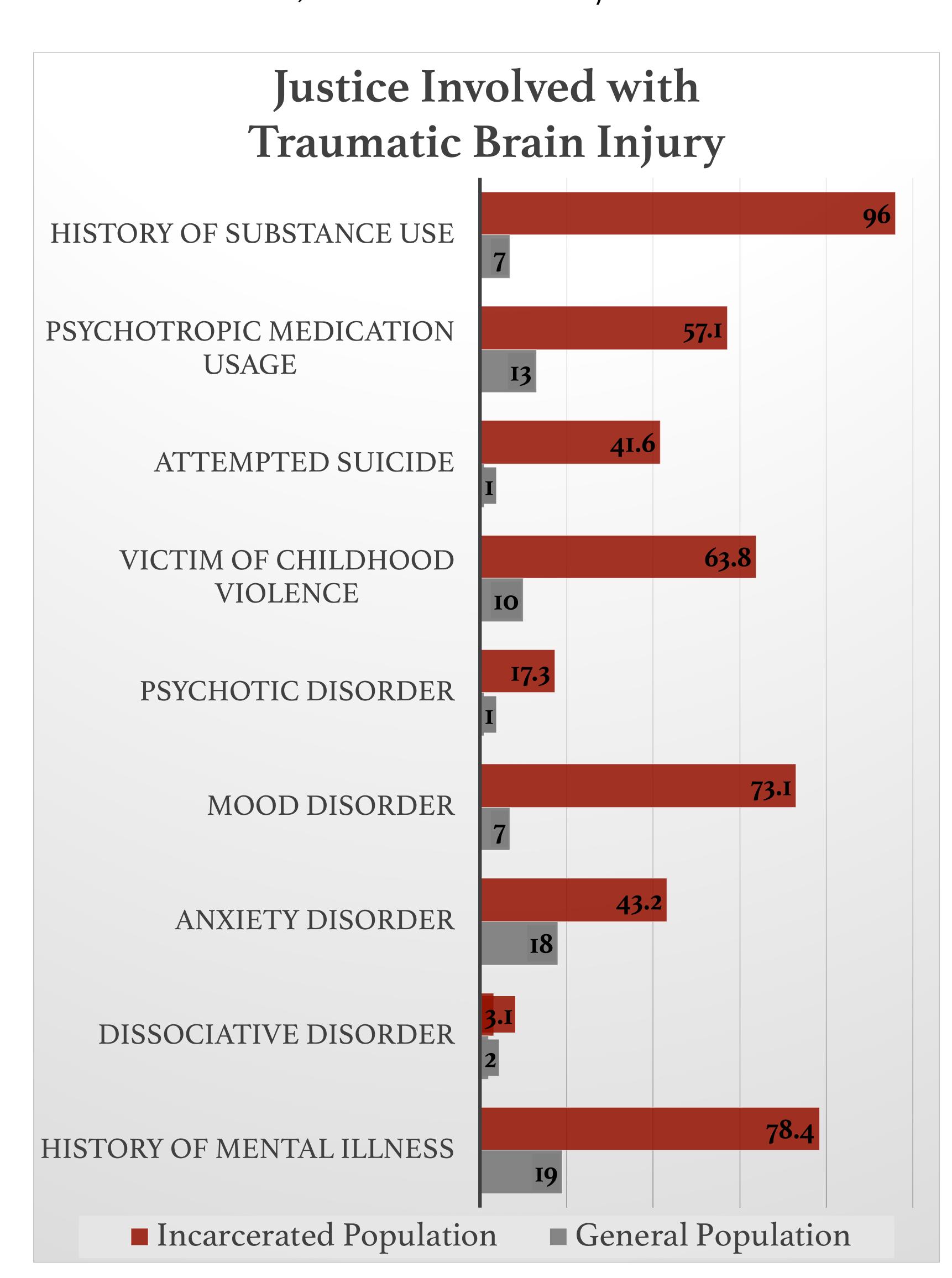
Our results indicate that individuals with a positive history of traumatic brain injury have a higher likelihood than the general population of having:

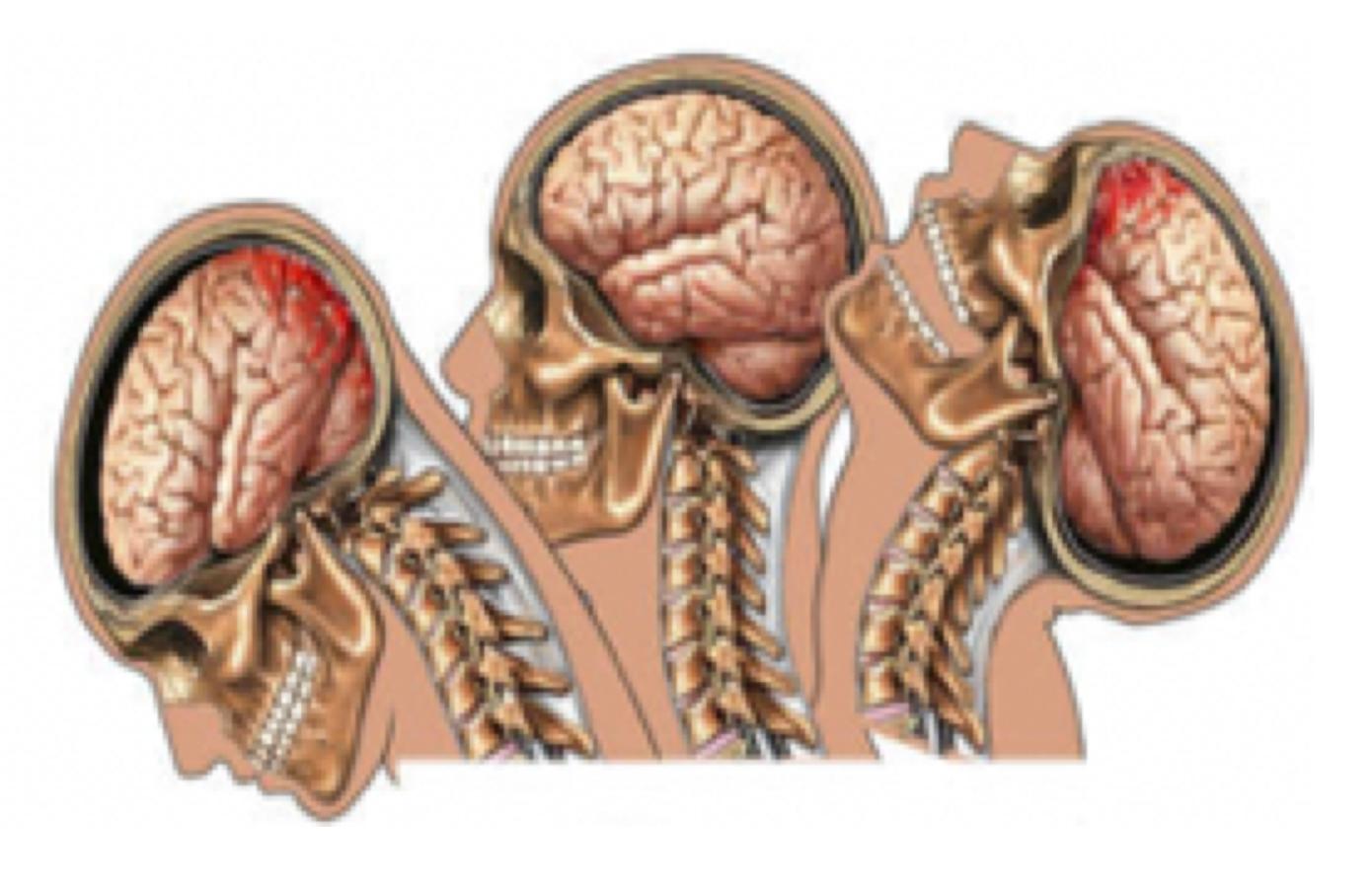
- a history of substance abuse
- psychotropic medication usage
- attempted suicide
- been a victim of childhood violence
- history of mental illness

RESULTS

Demographics

This population was 55.2% White, 21.5% Hispanic, 11.7% Black, 3.7% Native American, and .4% Native Hawaiian/Pacific Islander. This is more diverse and differs from the general Colorado population according to Census data (2017): 87% White, 22% Hispanic, 5% Black, 2% Native American, <1% Native Hawaiian/Pacific Islander.





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