

Evaluation of the Drug Use Screening Inventory - Revised

David Patton, Ph.D.

Introduction

- AFM research was asked to assist with the identification of screening tools
- Subcommittee of YPPT struck, reviewed tools, agreed to pilot the DUSI-R
- Some research showing it is useful for identifying severity of problems in a number of different areas

DUSI - R

- 159 items, T/F, 10 dimensions
- Substance use – the degree of involvement, severity of consequences
- Behavior patterns – social isolation, anger, acting out, self-control
- Health status – accidents, injuries, illnesses
- Psychiatric disorder – anxiety, depression, anti-sociality, psychotic symptoms
- Social competence – social interactions, social skills, refusal skills
- Family adjustment – dysfunction, conflict, parental supervision, marital quality
- School performance – academic performance, school adjustment
- Work adjustment –work competence, motivation
- Peer relationships – social network, gang involvement, quality of friendships
- Leisure/recreation – quality of activities during leisure time

Pilot phase

- Nov 2005 – one year (minimum)
- Staff feedback – surveys handed out at youth clinical conference in 2006
- (n = 42 , 22 were returned, some PECs)
- Relating scores to client profiles from MIS
- Youth focus group of current clients (n = 12)

Results staff feedback - administration

- Usually administered individually
- Usually at second session (75%)
- Usually takes between 15 and 25 minutes
- Most (77%) use Excel spreadsheet to score (takes 10 minutes)
- Most staff are satisfied with how long this takes

Results – staff feedback

- Most used it with all of their clients
- Most say that they understand the scoring process and how to administer, but about 20% have some concerns in this area
- Almost all report that they discuss the results with the client
- Ratings of “usefulness” show differences among the scales

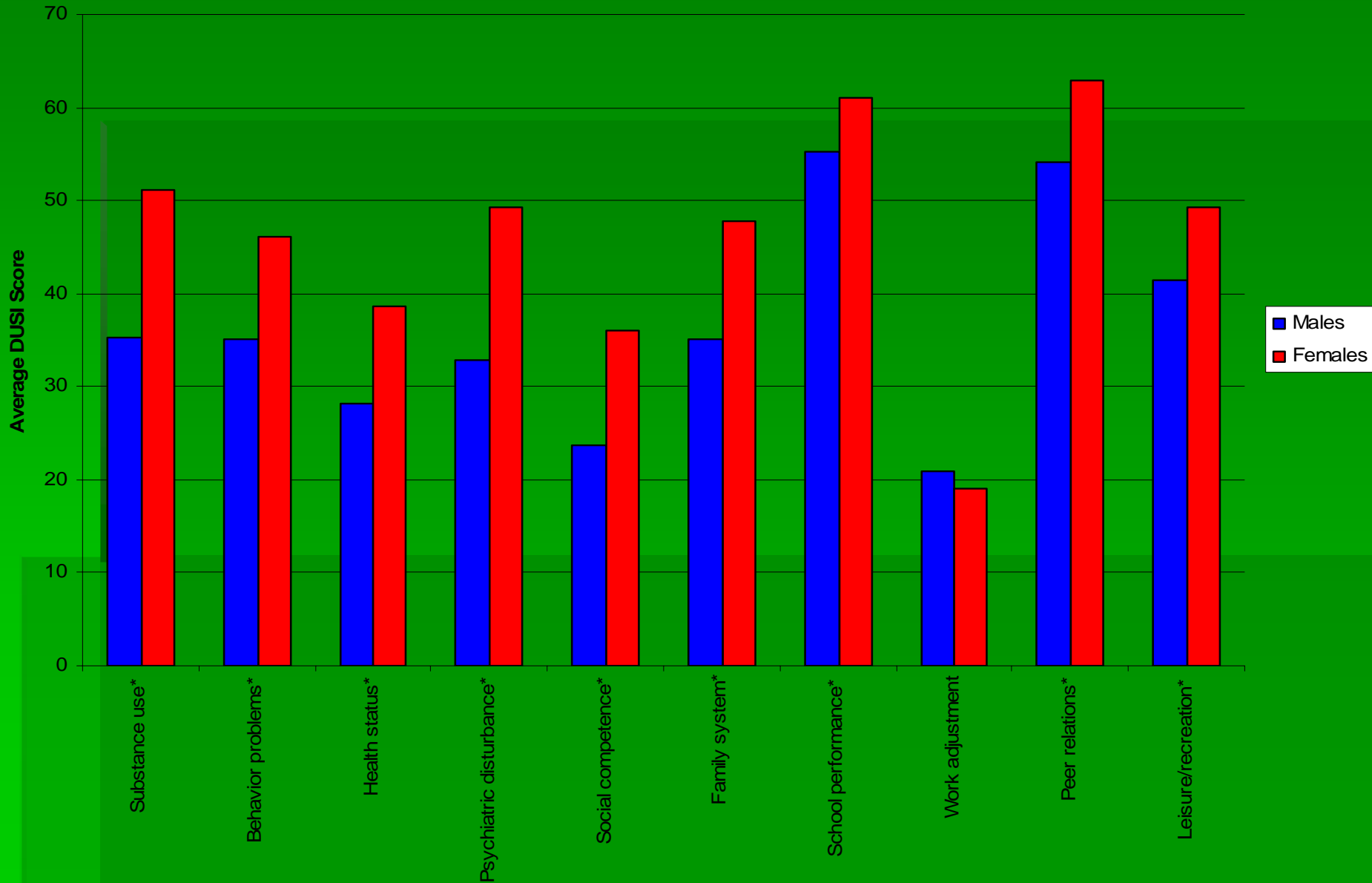
Results – usefulness of scales

| Scale | Very Useful | Moderately Useful | Somewhat Useful | Not Useful |
|--------------------|-------------|-------------------|-----------------|------------|
| Substance Use | 27.3 | 40.9 | 18.2 | 4.5 |
| School Performance | 27.3 | 40.9 | 9.1 | 13.6 |
| Psychiatric Dist. | 13.6 | 27.3 | 27.3 | 22.7 |
| Behaviour Patterns | 9.1 | 59.1 | 9.1 | 13.6 |
| Social Competence | 9.1 | 36.4 | 40.9 | 4.5 |
| Family System | 9.1 | 50.0 | 27.3 | 4.5 |
| Peer Relationships | 9.1 | 50.0 | 27.3 | 4.5 |
| Health Status | 4.5 | 45.5 | 22.7 | 13.6 |
| Leisure/recreation | 4.5 | 50.0 | 31.8 | 4.5 |
| Work Adjustment | 0.0 | 31.8 | 40.9 | 18.2 |

Results – client data

- From MIS 806 clients completed both MIS Core Intake and DUSI – R
- Some general statements about DUSI-R scores (e.g., gender differences etc)

Comparisons between males and females



Overall differences

- Overall problem density scores range from 0 – 100 (really the percent of questions that client reported a problem)
- No differences across three age groups
- Females score higher than males
- Clients in school had lower overall scores than those not in school
- Clients not living with parents had more problems
- Clients who had lived in more than one place in the previous year had higher scores (more problems)

Results- client focus group

- 12 clients at 200 Osborne in focus group
- Informal, not forthcoming with criticism
- Understood purpose of screening process
- Completed quickly
- Not a lot of concerns, items relatively clear
- Difficulties mostly with Lie scale items

Summary

- Useful screen, wide range of relevant areas covered
- Used by staff to help rehabilitation plan
- Clients find it easy to complete, can do it quite quickly
- Some staff discomfort using, lack of training and little documentation
- Staff don't like "psychiatric disturbance" label

Recommendations

- Continue to use the DUSI – R
- Train staff in administration and interpretation, use of Excel program
- Develop a user manual to aid interpretation of profiles
- Continue to monitor use and reliability of data