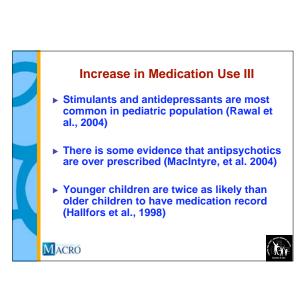


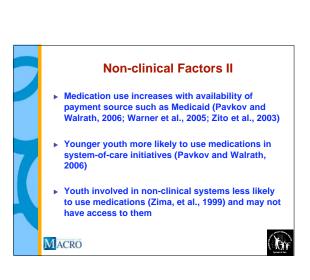
### Increase in Medication Use I More children and adolescents are using psychotropic medication than ever before (Jensen, Bhatara, & Vitiello, 1999) Increases in amount of drugs prescribed (Zito et el. 2003; Rawal Lyons, MacIntyre, & Hunter, 2004) 80-90% of children in hospitals and residential treatment are currently on at least on psychotropic medication (Lyons, 2000)

# Increase in Medication Use II Associated with the treatment of specific disorders such as Medication of anxiety disorders (Wilens, 2004) Medication of ADHD (Olfson, et al., 2003) Medication of conduct disorders is also increasing (Cooper et al, 2004)



MACRO

# Non-clinical Factors I Males more likely to be treated with psychotropic medications (Goodwin et al., 2001) Females are more likely to use antidepressant mediations (Shireman, Olson, and Dewan, 2002) Minority populations are less likely to use medications (Pavkov and Walrath, 2006; Martin et al. 2003, Leslie, et al. 2003)



### Clinical Factors I

- Youths with two or more diagnoses more likely to use psychotropic medication (Warner et al., 2004)
- Youths with elevated levels of impairment are more likely to be using medication (Leslie, et al., 2003)
- Children with family histories of mental health treatment are 2 to 4 times more likely to use medications (Pavkov and Walrath, 2006)

MACRO



### **Medication Use: Benefits**

- Connor et al. (2003) details benefits as indicated by clinicians, teachers, and parents
- ▶ Diederman, et al (1999) suggests less likelihood of later substance abuse by those treated with medication for ADHD
- Hallfors et al. (1998) suggests that medication use may reduce the need for residential placement

MACRO



### **Medication Use: Risks**

- Risk to the developmental processes relative to both body systems and brain function (Lyons, 2000)
- Increased labeling and stigmatization (Pumariega, et al 2002)
- ► Risk of side effects such as syncope, vomiting, hair loss, confusion, and anxiety (Cheung et al., 2003)
- Inadequate records of use poses a threat (Hallfors, 1998, Epstein et al, 1995)

MACRO



- ► Long and short-term effects of medication (Lyons, 2000)
- ► Understanding of medication use by treatment staff (Pavkov and Hug, 2006)
- ► Educating caregivers related to the use of medications (Pavkov and Hug, 2006)
- ▶ Informed consent issues (Mpofu, 2002)

MACRO



### **Medication Use: A SOC Issue I**

- ► The role of community psychiatry in system of care initiatives is unclear
- ► These treatment methods are becoming more important in system of care approaches (Hallfors, 1998)
  - What are the characteristics of children using psychotropic medications as part of their treatment in system of care initiatives?
  - What changes occur related to the use of medication upon entry into the system of care?
  - What is the net effect of treatment upon youth?

MACRO



### **Medication Use: A SOC Issue II**

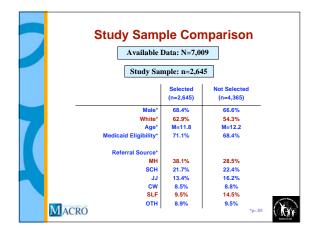
- Advancement in psychopharmacological treatment has been an important addition to community-based programming (Jensen et al., 1996)
- ▶ Including families is imperative for SOC
  - Informing of risks and benefits (Pumariega et al., 2002)
  - Empowerment of families through inclusion in decision making (Werry and Aman, 1993) and management of medication use (Bussing et al., 2003)

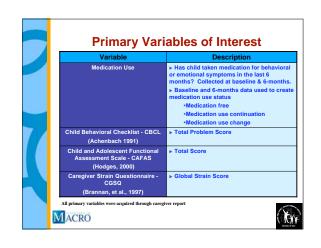
MACRO

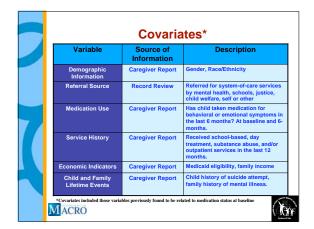


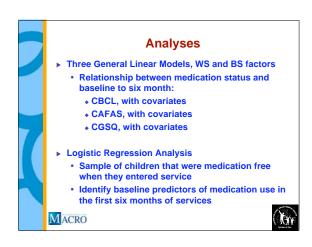
## Study Objective Investigate the relationship between medication use status by children and sixmonth child and family outcomes Large sample Children with serious emotional disturbance Compares children in three medication status categories to address the consequences of change in medication usage over the initial course of SOC service

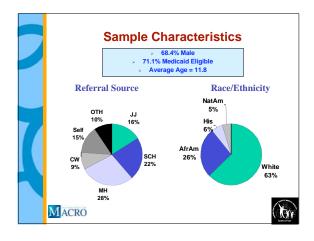
# Data Source and Sample ▶ Data: collected as a part of the National Evaluation of the Comprehensive Community Mental Health Services for Children and Their Families Program • Collected between 1997 and 2004 • Collected from up to 45 communities funded between 1997 and 2000 ▶ Sample: 2,645 children enrolled in the Outcome Study component of the National Evaluation with complete data on: • Medication usage in the 6-months prior to entry into service • Medication usage in the 6-months following entry into service

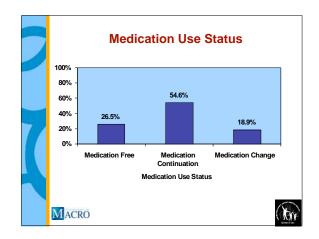


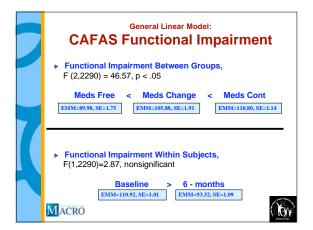


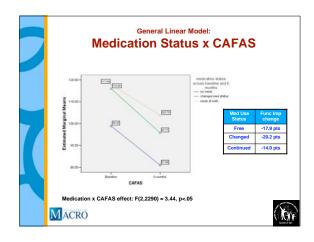


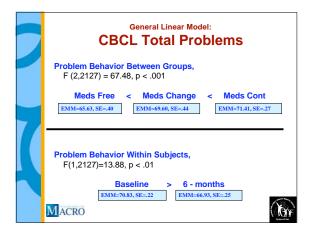


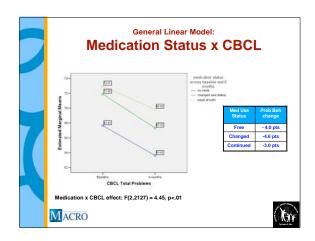




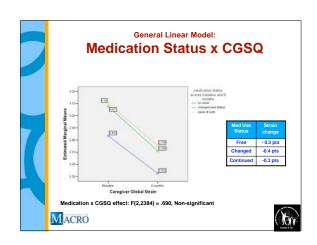


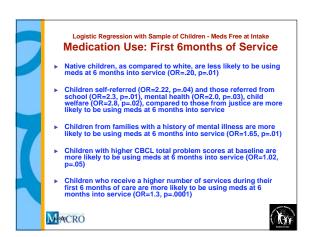




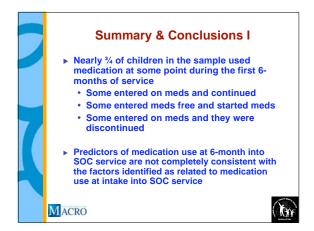


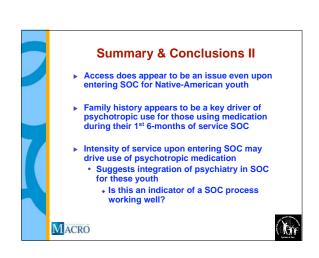












# Summary & Conclusions III Findings consistent with literature (Leslie et al., 2003) indicating more impaired youth are receiving psychotropic medications in SOC Provides insight into the diversity of need being addressed in SOC work Supports the notion that psychotropic medications enable many impaired youth to remain in the community

