The Role of the Public Mental Health System in Caring for Children with Autism

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Presentation and Prevalence of ASD

- Characteristics of ASD (APA, 2000)
 - Range of impairments in communication and social interactions
 - Restrictive and stereotyped patterns of behavior
- Increase in prevalence (Fombonne, 2003)
 - As much as a 20-fold increase in last 40 year
 - Current estimates 4-6 per 1,000
- Parallel increase in number of children with ASD served in public service systems (e.g., US Department of Education, 2003)
- Important to understand the service system for ASD

ASD in Public Service Systems

- Complexities in understanding and navigating service system
 - Differences across states
 - Debate about who pays and who qualifies for what services
- Children with ASD may be served in multiple public systems
 - Special Education
 - Mental Health

Special Education Services

- Entitled to receive all supports necessary for a free and appropriate education (1975 Education of All Handicapped Children Act)
- Autism as a separate eligibility category (exceptionality) under 1990 Individuals with Disabilities Education Act
- US Supreme Court SE system not responsible for providing intervention to treat children's disabilities, or maximize functioning (Lord & McGee, 2001)
- Children with ASD don't qualify for SE services if educational performance is not "affected"

Public Mental Health Services

- Little info on whether and how children with ASD served in systems other than education
- 1% of children in SOCs with ASD (same as SE)
- Funding for public mental health services for ASD
 EPSDT
 - Medicaid waivers (46 states with DD; 4 with autism-specific)
- Potential MH services for Children with ASD
 - Behavioral & psychotropic interventions
 - Treatment for co-occurring problems
- Some children may be served exclusively in MH services if they don't qualify for SE services

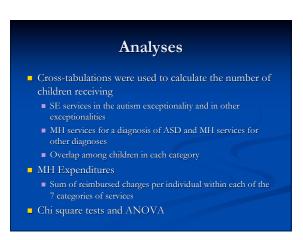
Current Study

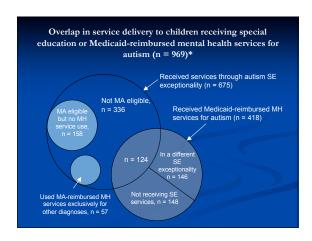
- The extent of the overlap between these MH & SE systems and relationships to service utilization and expenditures has not been examined.
- Purpose of current study
 - Estimate the overlap among children with ASD served in both systems
 - Describe expenditures and services provided through the public mental health system for children with ASD

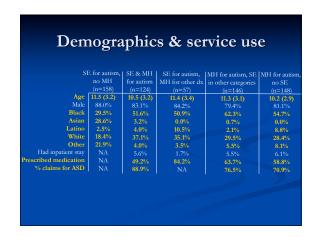
Data Sources Philadelphia County special education database Demographic and exceptionality information for all children receiving SE services in Philadelphia during 2002 The Pennsylvania Medicaid database All adjudicated Medicaid MH claims for Philadelphia during 2002 Claims information Provider and service type Associated diagnoses Expenditures Individuals matched across databases Name, sex and birth date

Sample All children ages 6-17 years on January 1, 2002 who received at least one of the following: Medicaid-reimbursed MH service for a primary diagnosis of ASD (ICD-10 code 299) OR SE services through the autism exceptionality during the study year

Variables ■ Special Education Exceptionality ■ 13 US Department of Special Education categories ■ ASD diagnosis ■ Based on ICD-10 code 299 from the Medicaid claims ■ Use of public MH services and related expenditures ■ Demographic Characteristics ■ Age, race and sex abstracted from the claims and SE records









Summary Complexity of the service system for children with ASD and potential gaps in services Most served exclusively in one system Many children receiving MH services for an ASD received either no SE services or SE through a category other than autism Patterns of expenditures Suggest that children with highest expenditures may present with diagnostic complexity/intensive treatment need or there is confusion about appropriate diagnosis and care Importance of race/ ethnicity in service utilization AA children less likely to receive SE services under autism

Implications Importance of MH system MH professionals have limited training in ASD treatment Need for coordination between systems Improve efficiency and effectiveness of care Identify gaps in care Future epidemiologic research Limitations of relying on SE data Lack of knowledge about usual care for ASD Role of Medicaid in funding services for children in SE