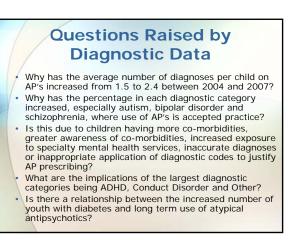
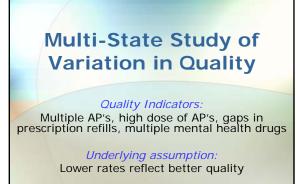
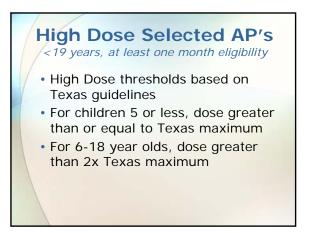
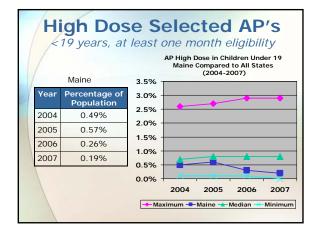


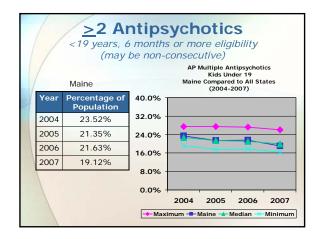
Diagn	AP's in 2 Minimum of		2007	en on
	Diagnosis	2004 % of AP Users	2007 % of AP Users	
1	Schizophrenia	2.2%	4.9%	
	Bipolar	10.6%	18.3%	
	Autism	9.7%	19.2%	
	Depression	12.7%	22.1%	
	Anxiety	6.7%	15.6%	
	ADHD	27.6%	47.7%	
	Conduct D/O	16.2%	28.8%	
	Other MI	57.3%	81%	
	Diabetes	0.2% (n=6)	0.7% (n=30)	

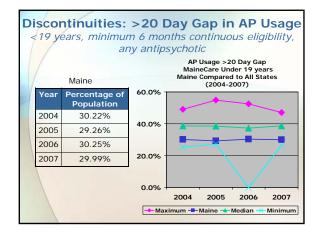


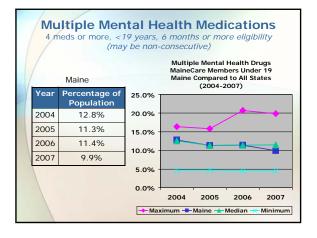






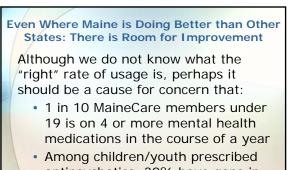








- Maine is <u>at or below the median</u>, doing better than half the other states on all quality measures: high dosages of antipsychotics, multiple antipsychotics, multiple mental health drugs and gaps in usage.
- Maine is <u>close to the minimum</u> for gaps in AP usage
- Maine rates are <u>declining over time</u> in prescribing high dosages, multiple antipsychotics and multiple mental health drugs, even as rates are flat or increasing in the other states.
- Maine's good performance on quality parallels introduction of MaineCare's initiating prior approval requirements for multiple drugs from same class and high dosages

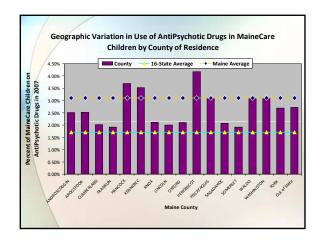


# **Additional Maine Analyses**

- Comparisons to other states not available
- 12 months continuous eligibility for MaineCare to eliminate effect of gaps in insurance coverage
- Some changes in quality definitions, per recommendations of DHHS Psychiatry Work Group

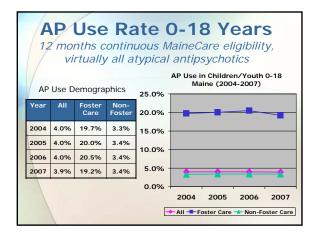
## **Geographic Variation in Maine**

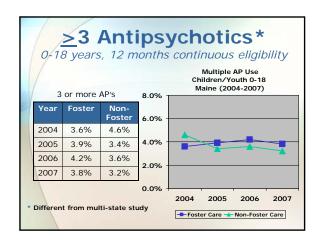
- Maine's rate of prescribing antipsychotics varies significantly from county to county
- Seven counties are close to the 16 state study average, with relatively lower rates of AP prescribing
- Six counties are at or above the overall Maine rate, contributing significantly to Maine's overall high rate of prescribing
- What are the differences among the counties that can account for these different prescribing practices?
- Differences among children and families, in living and school environments or in prescriber practices?



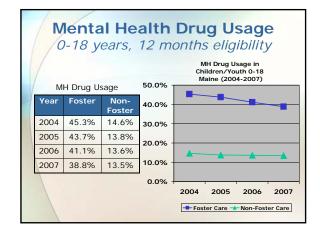
### Antipsychotic Medication Use: Comparison Foster Care and Non-Foster Care Children

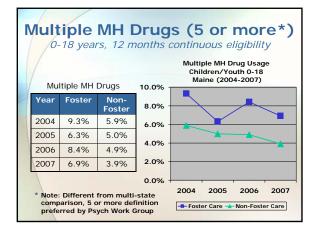
- 12 months continuous eligibility for MaineCare to eliminate discontinuities in coverage as explanation for gaps in AP usage
- Foster children defined as having at least one month in foster care

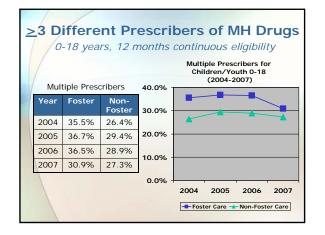




	- <i>18 year</i> >20 Day (	rs, 12 n Gap	35.0% -	>20 Child	day ga iren/Yo	D AP use uth 0-18 4-2007)	У
Year	Foster	Non- Foster	30.0% -				
2004	25.3%	33.4%	25.0% - 20.0% -				
2005	24.7%	32.6%	15.0%				
2006	28.0%	32.6%	10.0%				
2007	26.5%	32.6%	5.0% -				
			0.0% -	2004	2005 r Care 🚽	2006 Non-Fost	2007 er Care







### Summary: Maine Foster and Non-Foster Children

- 1 in 5 foster children are on antipsychotics, 4x times the rate of usage in non-foster children
- 2 in 5 foster children are on mental health drugs, 3x the rate of non-foster children
- Foster children are about the same as nonfoster children in prescribing of multiple antipsychotics
- Foster children are more likely to have multiple mental health drugs and multiple prescribers
- Foster children are doing better with regard to discontinuities/gaps

#### Questions Raised by Variation Among Foster and Non-Foster Children

- Are differences due to personal differences, due to higher rates of psychiatric illness, behavioral dyscontrol, developmental disabilities, brain injury, trauma, etc.?
- Are there differences in access/utilization for evidence based mental health therapies?
- Differences in prescriber's practice or access to information?
- Differences in living situation or educational placement?
- Differences in youth, parental or guardian participation in shared decision making?

## **Next Steps**

 DHHS Office of Child and Family Services has convened a multi-stakeholder advisory group to identify strategies to address quality of psychotropic prescribing among foster children and youth

## **Some Potential Strategies**

- Integrated data systems with regular reports on all aspects of medical, pharmacy, mental health and social service system use in the foster population
- Electronic personal health/mental health/social service record accessible across the system of care
- Identification of high risk groups with development of multi-disciplinary review processes
- Identification/dissemination of guidelines for assessment and evidence based treatments for specific mental disorders.
- Development and implementation of prescribing guidelines
- Workforce/consumer training in shared decision making

