

## Appendix 1. Guidelines and Measure-Specific Testing Results

### Use of Antipsychotics in Very Young Children

#### Guidelines Regarding Use of Antipsychotics in Very Young Children

| Organization (Year)   | Care Setting  | Population                  | Recommendation  | Grade*           |
|---|---------------|-----------------------------|---|------------------|
| TX Department of Family and Protective Services (2010)            | Foster care   | Children (no age specified) | The <a href="#">Psychotropic Medication Utilization Parameters for Foster Children</a> includes the condition, "Psychotropic medications are prescribed for children of very young age [for antipsychotics, less than 4 years of age]" as a situation that "suggests the need for additional review of a patient's clinical status," and specifies recommended doses. | Expert consensus |
| <a href="#">Preschool Psychopharmacology Working Group</a> (2007) | Not specified | Children younger than 6     | "Psychopharmacological intervention for behavior problems without psychotherapy is <b>not</b> recommended."   | Expert consensus |

\*Guideline Organization's assessment of evidence specified in guideline

#### References

Texas Department of Family and Protective Services and the University of Texas at Austin College of Pharmacy. Psychotropic Medication Utilization Parameters for Foster Children. December 2010. [http://www.dfps.state.tx.us/documents/Child\\_Protection/pdf/TxFosterCareParameters-December2010.pdf](http://www.dfps.state.tx.us/documents/Child_Protection/pdf/TxFosterCareParameters-December2010.pdf)

American Academy of Child and Adolescent Psychiatry. Psychopharmacological Treatment for Very Young Children: Contexts and Guidelines. Journal of the American Academy of Child & Adolescent Psychiatry. December 2007. Vol46 (12):1532-1572. [http://www.jaacap.com/article/S0890-8567\(09\)61867-0/abstract](http://www.jaacap.com/article/S0890-8567(09)61867-0/abstract)

#### Measure-Specific Testing Results

**Table 1. Prevalence of Very Young Children on One or More Antipsychotic by Race/Ethnicity among General and Foster Care Population**

| RACE/ETHNICITY     | General Population (%) | Foster Care Population (%) |
|--------------------|------------------------|----------------------------|
| White Non-Hispanic | 0.24                   | 1.59                       |
| Black Non-Hispanic | 0.12                   | 1.29                       |
| Hispanic           | 0.04                   | 0.48                       |
| Other              | 0.03                   | 0.69                       |
| Unknown            | 0.25                   | 0.94                       |

**Table 2. Average State Performance by Population**

|   | General Population (%) | Foster Care Population (%) |
|---|------------------------|----------------------------|
| Percentage of children age 0 to 5 years on one or more antipsychotics | 0.20                   | 1.66                       |

**Table 3. Prevalence of Very Young Children on One or More Antipsychotic by Rurality/Urbanicity among General and Foster Care Population**

| <b>URBANICITY</b> (County-Level) | <b>General Population (%)</b> | <b>Foster Care Population (%)</b> |
|----------------------------------|-------------------------------|-----------------------------------|
| Metropolitan                     | 0.11                          | 1.15                              |
| Non-Metropolitan                 | 0.27                          | 1.74                              |
| Rural                            | 0.30                          | 2.61                              |

**Table 4. Use of Antipsychotics in Very Young Children by State**

|               | General Population |           |             | Foster Care Population |           |             |
|---------------|--------------------|-----------|-------------|------------------------|-----------|-------------|
|               | %                  | Numerator | Denominator | %                      | Numerator | Denominator |
| <b>Mean</b>   | 0.20               | 563       | 418,393     | 1.66                   | 88        | 7,163       |
| <b>AZ</b>     | 0.11               | 361       | 320,776     | 1.34                   | 58        | 4,336       |
| <b>CA</b>     | 0.04               | 699       | 1,703,436   | 0.47                   | 157       | 33,402      |
| <b>GA</b>     | 0.15               | 727       | 482,333     | 1.93                   | 145       | 7,501       |
| <b>IN</b>     | 0.33               | 868       | 265,072     | 2.30                   | 105       | 4,566       |
| <b>KS</b>     | 0.33               | 324       | 98,699      | 2.70                   | 82        | 3,037       |
| <b>KY</b>     | 0.33               | 604       | 184,490     | 2.16                   | 71        | 3,285       |
| <b>MI</b>     | 0.21               | 805       | 388,646     | 1.71                   | 122       | 7,149       |
| <b>MO</b>     | 0.29               | 698       | 239,465     | 2.03                   | 118       | 5,810       |
| <b>NM</b>     | 0.11               | 135       | 126,278     | 1.25                   | 17        | 1,359       |
| <b>NY</b>     | 0.12               | 920       | 755,986     |                        |           |             |
| <b>RI</b>     | 0.14               | 52        | 37,138      | 0.76                   | 9         | 1,187       |
| <b>Min</b>    | 0.04               | 52        | 37,138      | 0.47                   | 9         | 1,187       |
| <b>Median</b> | 0.15               | 698       | 265,072     | 1.82                   | 94        | 4,451       |
| <b>Max</b>    | 0.33               | 920       | 1,703,436   | 2.70                   | 157       | 33,402      |

Data source: MAX 2008