

TEXAS DEPARTMENT OF STATE HEALTH SERVICES

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Dear Healthcare Provider:

The Texas Department of State Health Services has coordinated a revision of the best practice guidelines, *Psychotropic Medication Utilization Parameters for Foster Children*. This revision was developed by a panel of child and adolescent psychiatrists, psychologists, guideline development specialists, and other mental health experts.

They are based on the most current, evidence-based medical literature. Where medical evidence was limited, the recommendations are based on medical observatin and consensus. The clinical committees of the Feduration of Texas Psychiatry, Texas Pediatric Society, Texas Academy of Family Physicians, Texas Osteopathic Medical Association, and Texas Medical Association reviewed the guidelines and provided input. The guidelines are reviewed at least annually and updated as needed.

The revised guidelines are to be used in the treatment of foster children who receive services through Medicaid. There are particular clinical and social issues surrounding the care of these children. However, the guidelines may be a valuable resource in the treatment of **any** child diagnosed with a mental health disorder, regardless of the type of health insurance coverage the child may have.

The guidelines are intended as a resource for physicians and other clinicians. They are not intended as a definitive standard of care. Adherence to the guidelines is voluntary and subject to the physician's independent medical judgment and the clinical needs of the patient. Reasons for departure from these guidelines in individual cases should be thoroughly documented in the child's medical record. Absent fraud, and except as required by a contract with a health and human services agency, failure to follow the guidelines will not result in penalty to the provider by any Texas Health and Human Services system agency.

The Texas Health and Human Services Commission is coordinating the devolpment of a physiciandirected medical review system to evaluate the medical treatment of foster children who receive Medicaid benefits. The primary goal of the system will be to improve patient care, safety, and outcomes. As review models are developed, the Commission will solicit input from state medical associations, specialty physician organizations, quality assurance professionals and others.

We ask that you consult the accompanying guidelines when there are questions regarding the clinical management of a child who is taking—or will be taking—a psychotropic drug. Questions about the guidelines may be directed to Nina Jo Muse, M.D., Psychiatric Advisor, Texas Department of State Health Services, (512) 206-4618 or <u>ninajo.muse@dshs.state.tx.us</u>.

Sincerely,

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David Lakey, M.D. Commissioner

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Psychotropic Medication Utilization Parameters for Foster Children

Developed by: Texas Department of State Health Services

with review and input provided by:

Federation of Texas Psychiatry Texas Pediatric Society Texas Academy of Family Physicians Texas Osteopathic Medical Association Texas Medical Association

Psychotropic Medication Utilization Parameters for Foster Children

Introduction and General Principles

The use of psychotropic medications by children is an issue confronting parents, other caregivers, and health care professionals across the United States. Foster children, in particular, have multiple needs, including those related to emotional or psychological stress. Foster children typically have experienced abusive, neglectful, serial or chaotic care taking environments. Birth family history is often not available. These children often present with a fluidity of different symptoms over time reflective of past traumatic and reactive attachment difficulties that may mimic many overlapping psychiatric disorders. Establishment of rapport is often difficult. These multiple factors serve to complicate diagnosis. Foster children may reside in areas of the state where mental health professionals such as child psychiatrists are not readily available. Similarly, caregivers and health providers may be faced with critical situations that require immediate decisions about the care to be delivered. For these and other reasons, a need exists for treatment guidelines and parameters regarding the appropriate use of psychotropic medications in foster children.

Because of the complex issues involved in the lives of foster children, it is important that a comprehensive evaluation be performed before beginning treatment for a mental or behavioral disorder. Except in the case of an emergency, a child should receive a thorough health history, psychosocial assessment, mental status exam, and physical exam before the prescribing of psychotropic medication. Psychological testing may be particularly useful in clarifying a diagnosis and informing appropriate treatment. The physical assessment should be performed by a physician or another healthcare professional qualified to perform such an assessment. It is recognized that in some situations, it may be in the best interest of the child to prescribe psychotropic medications before a physical exam can actually be performed. In these situations, a thorough health history should be performed to assess for significant medical disorders and past response to medications, and a physical evaluation should be performed as soon as possible. The mental health assessment should be performed by an appropriately qualified mental health professional with experience in providing care to children. The child's symptoms and functioning should be assessed across multiple domains, and the assessment should be developmentally appropriate. It is very important that information about the child's history and current functioning be made available to the treating physician in a timely manner, either through an adult who is well-informed about the child or through a comprehensive medical record.

The role of nonpharmacological interventions should be considered before beginning a psychotropic medication, except in urgent situations such as suicidal ideation, psychosis, self injurious behavior, physical aggression that is acutely dangerous to others, or severe impulsivity endangering the child or others; when there is marked disturbance of psychophysiological functioning (such as profound sleep disturbance), or when the child shows marked anxiety, isolation, or withdrawal. Given the unusual stress and change in environmental circumstances associated with being a foster child, counseling or psychotherapy should generally begin before or concurrent with prescription of a psychotropic medication. Patient and caregiver education about the mental disorder, treatment options (nonpharmacological and pharmacological), treatment expectations, and potential side effects should occur before and during the prescription of psychotropic medications.

It is recognized that many psychotropic medications do not have Food and Drug Administration (FDA) approved labeling for use in children. The FDA has a statutory mandate to determine whether pharmaceutical company sponsored research indicates that a medication is safe and effective for those indications in which it has been studied by the manufacturer. The FDA also assures that information in the approved product labeling is accurate, and limits the manufacturer's marketing to the information contained in the approved labeling. *The FDA does not regulate physician and other health provider practice. In fact, the FDA has stated that it does "not limit the manner in which a practitioner may prescribe an approved drug." Studies and expert clinical experience often support the use of a medication for an "off-label" use.* Physicians should utilize the available evidence, expert opinion, their own clinical experience, and exercise their clinical judgment in prescribing what they feel is best for each individual patient.

General principles regarding the use of psychotropic medications in children include:

- A DSM-IV psychiatric diagnosis should be made before the prescribing of psychotropic medications.
- Clearly defined target symptoms and treatment goals for the use of psychotropic medications should be identified and documented in the medical record at the time of or before beginning treatment with a psychotropic medication. These target symptoms and treatment goals should be assessed at each clinic visit with the child and caregiver. Whenever possible, recognized clinical rating scales (clinician, patient, or caregiver assessed, as appropriate) or other measures should be used to quantify the response of the child's target symptoms to treatment and the progress made toward treatment goals.
- In making a decision regarding whether to prescribe a psychotropic medication in a specific child, the clinician should carefully consider potential side effects, including those that are uncommon but potentially severe, and evaluate the overall benefit to risk ratio of pharmacotherapy.

- Except in the case of emergency, informed consent should be obtained from the appropriate party(s) before beginning psychotropic medication. Informed consent to treatment with psychotropic medication entails diagnosis, expected benefits and risks of treatment, including common side effects, discussion of laboratory findings, and uncommon but potentially severe adverse events. Alternative treatments, the risks associated with no treatment, and the overall potential benefit to risk ratio of treatment should be discussed.
- During the prescription of psychotropic medication, the presence or absence of medication side effects should be documented in the child's medical record at each visit.
- Appropriate monitoring of indices such as height, weight, blood pressure, or other laboratory findings should be documented.
- Monotherapy regimens for a given disorder or specific target symptoms should usually be tried before polypharmacy regimens;
- Doses should usually be started low and titrated carefully as needed;
- Only one medication should be changed at a time, unless a clinically appropriate reason to do otherwise is documented in the medical record. (Note: starting a new medication and beginning the dose taper of a current medication is considered one medication change);
- The frequency of clinician follow-up with the patient should be appropriate for the severity of the child's condition and adequate to monitor response to treatment, including: symptoms, behavior, function, and potential medication side effects.
- In depressed children and adolescents, the potential for emergent suicidality should be carefully evaluated and monitored.
- If the prescribing clinician is not a child psychiatrist, referral to or consultation with a child psychiatrist, or a general psychiatrist with significant experience in treating children, should occur if the child's clinical status has not experienced meaningful improvement within a timeframe that is appropriate for the child's clinical response and the medication regimen being used.
- Before adding additional psychotropic medications to a regimen, the child should be assessed for adequate medication adherence, accuracy of the diagnosis, the occurrence of comorbid disorders (including substance abuse and general medical disorders), and the influence of psychosocial stressors.
- If a medication is being used in a child for a primary target symptom of aggression associated with a DSM-IV nonpsychotic diagnosis (e.g., conduct disorder, oppositional defiant disorder, intermittent explosive disorder), and the behavior disturbance has been in remission for six months, then serious consideration should be given to slow tapering and discontinuation of the medication. If the medication is continued in this situation, the necessity for continued treatment should be evaluated at a minimum of every six months.
- The clinician should clearly document care provided in the child's medical record, including history, mental status assessment, physical findings (when relevant), impressions, adequate laboratory monitoring specific to the drug(s) prescribed at intervals required specific to the prescribed drug and potential known risks, medication response, presence or absence of side effects, treatment plan, and intended use of prescribed medications.

Criteria Indicating Need for Further Review of a Child's Clinical Status

The following situations indicate a need for further review of a patient's case. These parameters do not necessarily indicate that treatment is inappropriate, but they do indicate a need for further review.

For a child being prescribed a psychotropic medication, any of the following suggests the need for additional review of a patient's clinical status:

- 1) Absence of a thorough assessment of DSM-IV diagnosis in the child's medical record.
- 2) Five (5) or more psychotropic medications prescribed concomitantly.
- 3) Prescribing of:
 - a) Two (2) or more concomitant antidepressants
 - b) Two (2) or more concomitant antipsychotic medications
 - c) Two (2) or more concomitant stimulant medications⁽¹⁾
 - d) Three (3) or more concomitant mood stabilizer medications

NOTE: For the purpose of this document, polypharmacy is defined as the use of two or more medications for the same indication (i.e., specific mental disorder).

- (1) The prescription of a long-acting stimulant and an immediate release stimulant of the same chemical entity (e.g., methylphenidate) does not constitute concomitant prescribing.
- 4) The prescribed psychotropic medication is not consistent with appropriate care for the patient's diagnosed mental disorder or with documented target symptoms usually associated with a therapeutic response to the medication prescribed.
- 5) Psychotropic polypharmacy for a given mental disorder is prescribed before utilizing psychotropic monotherapy.
- 6) The psychotropic medication dose exceeds usually recommended doses.⁽²⁾
- 7) Psychotropic medications are prescribed for children of very young age, including children receiving the following medications with an age of:
 - Antidepressants: Less than four (4) years of age
 - Antipsychotics: Less than four (4) years of age
 - Psychostimulants: Less than three (3) years of age
- 8) Prescribing by a primary care provider for a diagnosis <u>other</u> than the following (unless recommended by a psychiatrist consultant):

- Attention Deficit Hyperactive Disorder (ADHD)
- Uncomplicated anxiety disorders
- Uncomplicated depression

Usual recommended maximum doses of common psychotropic medications

These tables are intended to reflect usual maximum doses of commonly used psychotropic medications. The preferred drug list of medications potentially prescribed for foster children is the same as for all other Medicaid recipients.

These doses represent usual daily maximum doses, and are intended to serve as a guide for clinicians. The tables are not intended to serve as a substitute for sound clinical judgment in the care of individual patients, and individual patient circumstances may dictate the need for the use of higher doses in specific patients. In these cases, careful documentation of the rationale for the higher dose should occur, and careful monitoring and documentation of response to treatment should be observed.

Not all medications prescribed by clinicians for psychiatric diagnoses in children and adolescents are included below. However, in general, medications not listed do not have adequate efficacy and safety information available to support a usual maximum dose recommendation.

Antidepressants/Anxiolytics	Usual Maximum Dose per Day ⁽¹⁾ Children Adolescents	
Citalopram	40 mg	60 mg
Escitalopram	20 mg	20 mg
Fluvoxamine ^{(3)}	200 mg	200 mg
Fluoxetine ^{$(2, 3)$}	20 mg	40 mg
Paroxetine ^{(4)}	(-)	200 mg
Sertraline ^{(3)}	200 mg	200 mg
Venlafaxine	3 mg/kg/d	225 mg

- (1) In general, doses should be started low and titrated slowly while monitoring the patient for improvement in depressive symptoms, potential side effects, or emergent suicidality
- (2) Has FDA approved labeling for treatment of depression in children.
- (3) Has FDA approved labeling for treatment of anxiety disorders in children.
- (4) Paroxetine is not recommended for use in preadolescents

Antipsychotics	Usual Maximum Dose per Day		
	Children	Adolescents	
Aripiprazole	15 mg	30 mg	
Clozapine	300 mg	600 mg	
Haloperidol	5 mg	10 mg	

Olanzapine	12.5 mg	20 mg
Perphenazine	No data	32 mg
Quetiapine	300 mg	600 mg
Risperidone	4 mg	6 mg
Ziprasidone	No data	180 mg

ADHD Medications		ım Dose per Day Adolescents	
Amphetamine	40 mg	40 mg	
(Mixed amphetamine			
salts or dextroamphetamine)			
Atomoxetine	1.8 mg/kg/d	100 mg	
Bupropion	6 mg/kg/d	450 mg	
Clonidine	0.4 mg	0.4 mg	
Dexmethylphenidate	20 mg	20 mg	
Guanfacine	4 mg	4 mg	
Imipramine	5 mg/kg/day	300 mg	
Methylphenidate	60 mg	60 mg	
	(72 mg with Concerta [®] only)		
Methylphenidate patch	82.5 mg patch	(30 mg dose delivered)	
Nortriptyline	3 mg/kg/day	150 mg	
Mood Stabilizers		ım Dose per Day Adolescents	
Carbamazepine ⁽¹⁾ Lamotrigine Lithium ⁽¹⁾ Valproic acid ⁽¹⁾ (Divalproex)	15mg/kg/d (200 30 mg/kg/day	(Max Cs: 12 mcg/mL mg) 300 mg (Max Cs: 1.2 mEq/L) (Max Cs: 125 mcg/ml)	

(1) Maximum daily dose typically determined by drug serum concentration (Cs) and individual patient tolerability.

Members of the Ad Hoc Working Group on Psychotropic Medication Guidelines for Foster Children

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Document Review and Input by the clinical committees of:

The Federation of Texas Psychiatry The Texas Pediatric Society The Texas Academy of Family Physicians The Texas Osteopathic Medical Association The Texas Medical Association

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