

Speaker Disclosure

• I have nothing to disclose

National Association of Pediatric Nurse Practitioner

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Learning Objectives

- Identify and describe the significant updates in diagnostic criteria for pediatric psychiatric disorders, including the impact of the revised edition of the Diagnostic and Statistical Manual of Mental Disorders (DSM-5) on classification and identification of mental health conditions in children.
- Evaluate the advancements in treatment modalities for pediatric psychiatric disorders, including psychopharmacological interventions and evidence-based therapies.
- Describe the emerging research trends in pediatric psychiatry, particularly in understanding the neurobiological underpinnings of psychiatric disorders in children and analyze the potential applications of this knowledge in early intervention and prevention strategies.

National Association of Pediatric Nurse Practitioner Overview

- Review updates to the Diagnostic and Statistical Manual (DSM-5-TR)
 - Updated 2022
- Discuss the AACAP Major and Persistent Depressive Disorders Clinical Practice Guideline
 - Updated in 2023
- Review new pediatric drugs on the market in 2022 2024
- Consider the emerging rules around telehealth for Pediatric Psychiatry

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Updates to the DSM-5-TR

Diagnostic and Statistical Manual of Mental Disorders DSM-5-Text Revision

- Published March 2022
- Added one new disorder (prolonged grief disorder) and minor revised criteria updates to 70 disorders
- The text revision did not include major changes to the criteria sets or to other DSM-5 constructs



DSM-5-TR[™]

APA, 2022

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Attention to Culture, Racism, and Discrimination in DSM-5-TR

- 2 committees thoroughly reviewed the DSM-5
 - · Cross-Cutting Review Committee on Cultural Issues
 - · Ethnoracial Equity and Inclusion Work Group
- Racialized IS used
- Ethnoracial **IS** used
- · Latinx IS used
- Minority and "non-white" ARE NOT used
- Caucasian IS NOT used
- · Statistics were updated as available



Attention to Culture, Racism, and Discrimination in DSM-5-TR

- Added disclaimers/notes to inform reader of higher incidence of diagnosis in certain cultural groups
- Considers risk of misdiagnosis when evaluating individuals from socially oppressed ethnoracial groups
- Terms: "Cultural contexts" or "Cultural backgrounds" to avoid overgeneralization (vs. culture)
- Identifies specific "Concepts of Distress"
 - Cultural idiom of distress 🕢
 - Cultural explanation or perceived cause
 - Cultural syndrome

Prolonged Grief Disorder

- Death of a person close to the bereaved (at least 12 months for adults, at least 6 months for
- Intense yearning and/or preoccupation with thoughts of deceased nearly everyday for at least one month
- At least 3 of the following symptoms present most days:

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- Disturbance causes significant distress
 Duration/Severity of symptoms CLEARLY exceeds expected norms.
 Symptoms not better explained by other mental/medical condition

APA, 202

Prolonged Grief Disorder

Why was this diagnosis added to the DSM-5-TR?

Common standard to distinguish normal grief from clinically significant, debilitating grief

7-10% of bereaved adults progress to PGD

About 10% of youths bereaving experience PGD symptoms

Risk Factors

- · Older Adults
- History of depression or bipolar disorder
- Caregivers (especially if caring for partner)
 if experienced depression before loss (greater risk)
- · Sudden death or traumatic circumstances

<u>Prolonged Grief Disorder Screening Tool for children/adolescents</u> • Traumatic Grief Inventory - Kids - Clinician Administered (TGI-K-CA)

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Unspecified Mood Disorder

Summary of the change:

• Restores the diagnosis of Unspecified Mood Disorder, which was known as Mood Disorder Not Otherwise Specified (NOS) in the DSM-IV

• Pearls for Providers:

- That makes DSM-5-TR more compatible with both ICD-10-CM as well as
- "More accurate and less stigma-prone diagnosis for these kinds of mixed presentations'
- Used when the clinician chooses not to specify the reason that the criteria are not met for a specific depressive disorder

APA. 20

Neurodevelopmental Disorders Changes in DSM-5-TR

- · Autism Spectrum Disorder
 - Summary of the change: Criterion A now says "as manifested by all of
 - Pearls for Providers: Kids need to meet ALL of deficits in social communication and interaction for a dx
- · Intellectual Disability
 - \bullet Summary of the change: "Intellectual developmental disorder" is used alongside "intellectual disability" to align with WHO terminology
 - Pearls for Providers: Revised criteria emphasize that diagnosis should not be strictly tied to an IQ score range of 65-75

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- Summary of the change: Removed "as manifested by persistent failure to meet appropriate nutritional and/or energy needs"
- Pearls for Providers: Kids no longer need to meet that nuanced criterion. Can just be an eating disturbance with marked interference with psychosocial functioning

Social Anxiety Disorder Changes in DSM-5-TR • "social phobia" removed from ocial anxiety disorder

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Trauma and Stressor-Related Disorder Changes in DSM-5-TR

- **Summary of the change:** Removed from Criterion A.2 that "witnessing" a traumatic event does not include events in the media for kids 6 and younger as it is already explicitly stated that it must occur to them or be witnessed in person
- Pearls for Providers: Still need to "witness" the event in-person

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Gender Dysphoria Changes in DSM-5-TR

- Summary of the change: Entire disorder was updated to use culturally-sensitive language
- Pearls for Providers: Use the appropriate language

Culturally-sensitive Terms 📥 Outdated Terms 💎 Experienced gender Desired gender Gender affirming medical procedure Cross-sex medical procedure Cross-sex hormone treatment Gender affirming hormone treatment Individual assigned male at birth Natal male Natal female Individual assigned female at birth Differences in sex development Disorders of sex development

Suicidal and Nonsuicidal Self-Injury Behaviors Changes in DSM-5-TR

- · Current Suicidal Behavior
 - T14.91A Initial encounter: If suicidal behavior is part of the initial encounter with the clinical presentation (ED or active tx)
 - T14.91D Subsequent encounter: If suicidal behavior is part of subsequent encounters with the clinical presentation (already received active tx and now in
 - **Z91.51** History of Suicidal Behavior
- · Nonsuicidal Self-Injury
 - R45.88 Current Nonsuicidal Self-Injury: If behavior is part of clinical
 - . **921.52** History of Nonsuicidal Self-Injury: If behavior has occurred during the individual's lifetime

Future Considerations

- Attenuated Psychosis Syndrome
- Depressive Episodes with Short-Duration Hypomania
- · Caffeine Use Disorder
- Internet Gaming
- Neurobehavioral Disorder Associated with Prenatal Alcohol Exposure
- · Suicidal Behavior Disorder
- Nonsuicidal Self-Injury Disorder

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Updates to Pediatric Clinical Practice Guidelines

AACAP MDD May 2023

American Academy of Child and Adolescent Psychiatry Clinical Practice Guideline for the Assessment and Treatment of Children and Adolescents With Major and Persistent Depressive Disorders

- Major and Persistent
- Primary Aim: Summarize empirically based guidance about the psychosocial and psychopharmacologic treatment of these
- Doesn't cover: very young children, subsyndromal depression, and prevention of depressive

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Identification

- Screen youth 12-18 provided you can appropriately diagnose and treat with evidence-based care
 - Patient Health Questionare-9 (PHQ-9)
 - Telehealth: PHQ-2
 - Pediatric Symptom Checklist (PSC)
 - Telehealth: Short Mood and Feelings Questionnaire (SMFQ), which does not include suicidality items, to be followed by
 - · Well child: Long Mood and Feelings Questionnaire (LMFQ)
 - Level 1 Cross-Cutting Symptoms Measures

Walter et al., 2023

Pediatric Nurse Practitioner

Treatment

- AACAP suggests (2I) that cognitive-behavioral therapy and interpersonal therapy could be offered to adolescents and children with major depressive disorder or persistent depressive disorder.
- AACAP suggests (2I) that selective serotonin reuptake inhibitor medication (except paroxetine), preferably fluoxetine, could be offered to adolescents and children with major depressive disorder.
- 3. AACAP suggests (21) that combination treatment (cognitive-behavioral therapy plus fluoxetine) could be offered to adolescents and children with major depressive disorder.
- AACAP suggests (2C) that continued fluoxetine alone or cognitive-behavioral therapy plus continued fluoxetine could be offered to adolescents and children responding to acute treatment with fluoxetine to prevent relapse/recurrence of major depressive disorder.

Walter et al., 2023

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What Liz thinks is interesting about the Clinical Practice Guideline for the Assessment and Treatment of Children and Adolescents With Major and Persistent Depressive Disorders

- Mentions updates in research on vulnerabilities for depression, including "stressful or traumatic circumstances in the family (particularly emotional abuse and unattuned/unsupportive parenting styles (eg., passive/ withdrawn or discordant)), to societal issues such as poverty, income inequality, racial/ethnic38 and other forms of discrimination, and acculturation stress".
- While prevalence of MDD has gone up in youth its hard to tell if its due to a true increase OR "The extent to which 21st century sociocultural changes have contributed to the apparent increase in prevalence, or whether the increase is due to heightened awareness, improved identification, or other factors"
- Notes that an evaluation may take more than one session
- There is a <u>preschool structured interview</u>
 Does require training to use
- Defined what CBT needs to look like
- It specifically called out Fluoxetine as the best SSRI for kids
- Found that the "pooled absolute rates for suicidal ideation across all antidepressant classes and the MDD indication in one
 analysis have been reported to be 3% for youth treated with an antidepressant and 2% for youth treated with a placebo".
 When will we get rid of the black box warning.
- Focus on measurement based care (using surveys and tools like PHQ-9, Vanderbilt, SCARED)

Walter et al., 2023

arter et any 2025

Psychiatric Medication Updates

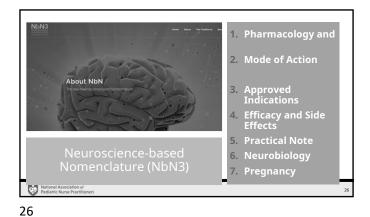
2022-2024

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<u>Can You Distinguish The Names Of</u> <u>Ikea Products From Antidepressants?</u>





FDA New Drug Approval Process

- Approval Process:
 - Data on the drug's effects have been reviewed by Center for Drug Evaluation and Research (CDER), and the drug is determined to provide benefits that outweigh its known and potential risks for the intended population
 - · Analysis of the target condition and available treatments
 - Assessment of benefits and risks from clinical data
 - Typically 2 well design positive RCTs
 - Strategies for managing risks

First-in class	These drugs have mechanisms of action different from those of existing therapies
Drugs for rare diseases	Target rare diseases (diseases that affect fewer than 200,000 people in the U.S.)
Fast Track	Speeds development and review of new drugs and biologics by increasing the level of communication between FDA and drug developers
Priority Review	The drug treats a serious condition and, if approved, would provide a significant improvement in safety or effectiveness of the treatment, diagnosis, or prevention of the serious condition (6 months)
Breakthrough Therapy	A process designed to expedite the development and review of drugs which may demonstrate substantial improvement over available therapy. FDA, 2022



- Fast Track:
 - Zurzuvae (zuranolone) for postpartum depression 8/4/23
- Priority Review:
 - Zurzuvae (zuranolone)



CDER, 2024

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FDA **New** Drug Approvals 2023 in Psychiatry

- Zurzuvae (zuranolone)
 - For Postpartum Depression
 - 50 mg PO qpm x 14 days
 - Give with fat containing food
 - Synthetic analogue of allopregnanolone- which rises during pregnancy and falls after delivery
 - Neuroscience Based Nomenclature (NBN): GABA PAM (GABA-A receptor,
 - Rapid onset, but we aren't sure how long it works
 - Also consider that many women with postpartum depression also have chronic mood disorders
 - Breastfeeding?

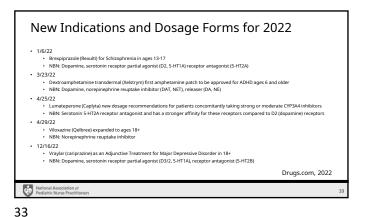
CDER, 2024; Aiken, 2023, 2024

FDA New Drug Approvals 2023 in Psychiatry

- Exxua (Gepirone)
 - For Major Depressive Disorder in ages 18+
 - 18.2 mg -> 36.3 mg -> 54.5 mg ->72.6 mg
 - NBN: Serotonin 5-HT1A partial agonist (similar to buspirone)
 - Developed in 1986, rejected by FDA in 2002, 2004, and 2012
 - Two positive trials, deemed "adequate and well-controlled"
 - . Three failed trials, deemed "uninformative"
 - · Seven negative trials

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New Indications and Dosage Forms for 2023 one (Narcan-RiVive) OTC for opioid overdose Drugs.com, 2023; Naguy, 2023



Drugs that became generic in 2023
Latuda (Lurasidone)
Vyvanse (Lisdexamfetamine)
Amphetamine (Adzenys XR-ODT)
Naltrexone for Extended-Release Injectable Suspension (Vivitrol)

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Cannabis Approval anywhere? Nope
 Increasing medical and recreational approvals means kids are exposed to it more
 More frequent and long term use puts kids at risk for depression, anxiety, psychosis and suicide
 Poison control- overdoses because kids think an edible is candy
 Is it marijuana or is it a crayon?

Telehealth for Mental Health

Telehealth in Pediatric Psychiatry by the Numbers

- Kalmin et al, 2023
 - · During the pandemic (up to Aug 2022) in-person mental health services declined by 42% while telehealth services increased by 3027%
 - Overall this meant a 13% increase in TOTAL mental health services
 - By 8/2022 in-person services returned to 75% of their pre-pandemic rates
 - But telehealth use was still up 2300% compared to pre-pandemic
 - \bullet Mental health service utilization increased by 21.7% and mental health spending increase 26.1%

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Drug Enforcement Agency (DEA) Updates

- Early October 2023, telemedicine flexibilities granted during the pandemic were extended until 12/31/24
 - Patients can be prescribed schedules II-V controlled substances without a prior inperson examination
 - DEA registration in one state allows prescription of controlled substances in any state
 - Major concern: Requirement of 1st visit to be
 - · 38.000 comments were received!
 - DEA anticipates new rules to come Fall 2024

"The full set of telemedicine flexibilities regarding prescription of controlled medications as were in place during the COVID-19 PHE, through December 31, 2024. This extension authorizes all DEA-registered practitioners to prescribe schedule II-V controlled medications via telemedicine through December 31, 2024, whether or not the patient and practitioner established a telemedicine relationship on or before November 11, 2023,"

Second Temporary Extension of COVID–19 Telemedicine Flexibilities for Prescription of Controlled Medications (2023)

Telehealth Changes

- Penalties for using non-HIPAA compliant teleconference platforms can be imposed again
 - Don't use facetime!
- Waiver of geographical and originating site of service limitations was removed via the Consolidated Appropriations Act of 2023

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Resources

- DSM-5-TR Fact Sheets Changes in the New Edition
- FDA New Drug Therapy Approvals 2023
- <u>Second Temporary Extension of COVID-19 Telemedicine</u> <u>Flexibilities for Prescription of Controlled Medications</u>



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Questions?