Depressive Disorders in Children and Adolescents

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No Disclosures

Objectives

By the end of this presentation, individuals should be able to:

- 1. Identify up to date general clinical information regarding depressive disorders in children and adolescents
- 2. Differentiate between different types of depressive disorders
- 3. Evaluate patients for depressive disorders
- 4. Be aware of the appropriate treatment options



Take aways:

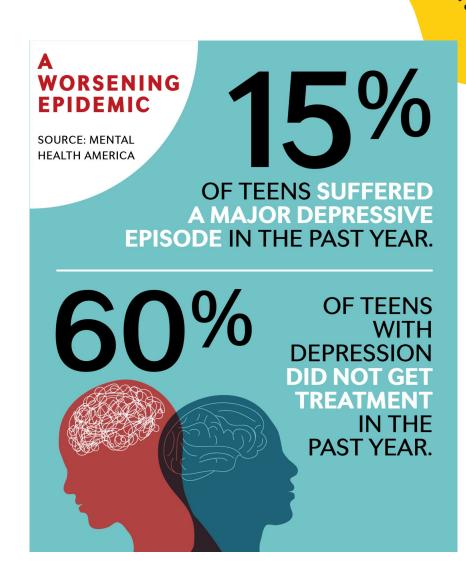
- Depressive disorders are common in youth
- Depressive disorders become increasingly more common as kids get older and become adolescents
- In teenage years, girls out number boys 2:1 for depressive disorders
- Overall numbers vary a lot depending on where you look. However studies indicate that since the
 pandemic, the incidence of kids with depressive disorders and depressive symptoms have
 doubled. The most common numbers I go with when I talk to families is pre-pandemic the
 numbers for depression was 10% and then after the pandemic 20%

Epidemiology

For adolescents, depression, substance use and suicide are important concerns. Among adolescents aged 12-17 years in 2018-2019 reporting on the past year:

- o 15.1% had a major depressive episode.2
- 36.7% had persistent feelings of sadness or hopelessness.2
- 4.1% had a substance use disorder.2
- 1.6% had an alcohol use disorder.2
- 3.2% had an illicit drug use disorder.2
- 18.8% seriously considered attempting suicide.2
- 15.7% made a suicide plan.2
- o 8.9% attempted suicide.2
- 2.5% made a suicide attempt requiring medical treatment.

https://www.cdc.gov/childrensmentalhealth/data.html



Suicide

Age Groups

In 2020, suicide was the second leading cause of death for youth ages 10 to 14, and adults ages 25 to 34. Suicide was the third leading cause of death for people ages 15 to 24, the fourth leading cause of death for ages 35 to 44, and the seventh leading cause of death for ages 55 to 64. Although suicide has historically been among the top 10 leading causes of death, it was not in 2020.2

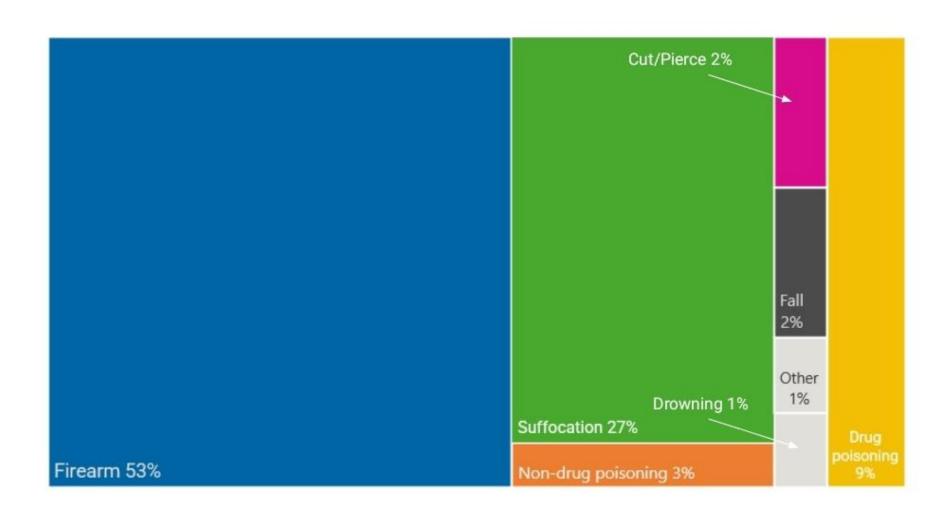
Srude Rate per 100,000 Ranking

Green box = suicide

					ige oroup	,5			
	5-9	10-14	15-24	25-34	35-44	45-54	55-64	<u>65+</u>	All Ages
1	Unintentional Injury 685	Unintentional Injury 881	Unintentional Injury 15,117	Unintentional Injury 31,315	Unintentional Injury 31,057	Malignant Neoplasms 34,589	Malignant Neoplasms 110,243	Heart Disease 556,665	Heart Disease 696,962
2	Malignant Neoplasms 382	Suicide 581	Homicide 6,466	Suicide 8,454	Heart Disease 12,177	Heart Disease 34,169	Heart Disease 88,551	Malignant Neoplasms 440,753	Malignant Neoplasms 602,350
3	Congenital Anomalies 171	Malignant Neoplasms 410	Suicide 6,062	Homicide 7,125	Malignant Neoplasms 10,730	Unintentional Injury 27,819	Covid-19 42,090	Covid-19 282,836	Covid-19 350,831
4	Homicide 169	Homicide 285	Malignant Neoplasms 1,306	Heart Disease 3,984	Suicide 7.314	Covid-19 16,964	Unintentional Injury 28,915	Cerebrovascular 137,392	Unintentional Injury 200,955
5	Heart Disease 56	Congenital Anomalies 150	Heart Disease 870	Malignant Neoplasms 3,573	Covid-19 6,079	Liver Disease 9,503	Chronic Low. Respiratory Disease 18,816	Alzheimer's Disease 132,741	Cerebrovascula 160,264
6	Influenza & Pneumonia 55	Heart Disease	Covid-19 501	Covid-19 2,254	Liver Disease 4,938	Diabetes Mellitus 7,546	Diabetes Mellitus 18,002	Chronic Low. Respiratory Disease 128,712	Chronic Low. Respiratory Disease 152,657
7	Chronic Low. Respiratory Disease 54	Chronic Low. Respiratory Disease 93	Congenital Anomalies 384	Liver Disease 1,631	Homicide 4,482	Suicide 7,249	Liver Disease 16,151	Diabetes Mellitus 72,194	Alzheimer's Disease 134,242
8	Cerebrovascular 32	Diabetes Mellitus	Diabetes Mellitus 312	Diabetes Mellitus 1,168	Diabetes Mellitus 2,904	Cerebrovascular 5,686	Cerebrovascular 14,153	Unintentional Injury 62,796	Diabetes Mellitus 102,188
9	Benign Neoplasms 28	isms 50	Chronic Low. Respiratory Disease 220	Cerebrovascular 600	Cerebrovascular 2,008	Chronic Low. Respiratory Disease 3,538	Suicide 7,160	Nephritis 42,675	Influenza & Pneumonia 53,544
10	Suicide 20**	Cerebrovascular 44	Complicated Pregnancy 191	Complicated Pregnancy 594	Influenza & Pneumonia 1.148	Homicide 2,542	Influenza & Pneumonia 6,295	Influenza & Pneumonia 42,511	Nephritis 52,547

https://www.sprc.org/scope/age

Means of Suicide, United States 2020

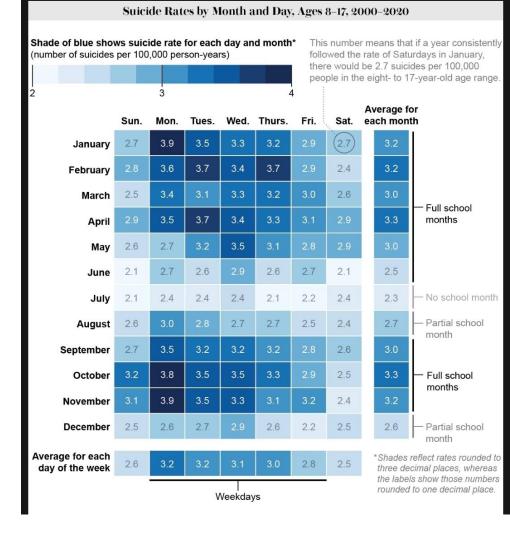


Suicide

"Suicide rates among teenagers fell sharply when schools were closed during the Covid-19 lockdown, but rose again when in-person schooling resumed, according to a new study. Returning from online to in-person education was associated with an increase in the rate of teen suicides of as much as 18%. The team estimate that the move to in-person school was associated with a 12-18% increase in teen suicides, with a preferred estimate of approximately 15%.

Ideas why: being at home fostered good relationships with parents, high rate of bullying at school?

https://www.forbes.com/sites/nickmorrison/2022/1 2/28/teen-suicides-fell-during-lockdown-rose-when-in-person-schooling-resumed-study-finds/?sh=ed87a b564d70



https://www.scientificamerican.com/article/childrens-risk-of-suicide-increases-on-school-days/?amp=true

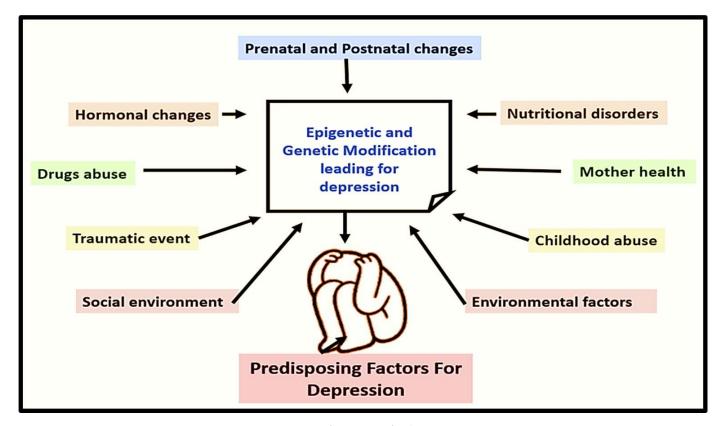
Etiology

The single most predictive factor associated with risk of developing MDD is...

High family loading

Heritability for MDD is 40 % • Craddock et al 2005

Etiology



Is it genetic?

There's often a genetic predisposition but often it takes some other factor to activate the disorder.



- Looking at the studies:
 Median duration of MDD in clinically referred youth was 8 months
- Recovery by 2 years was significantly more likely for those who were short-term treatment responders (96.2%) than for others (79.1%)
- Slightly fewer than half of recovered adolescents (46.6%) experienced a recurrence by 5 years after baseline.

https://jamanetwork.com/journals/jamapsychiatry/fullarticle/211167



Child/Adolescent Depression Scales (Free)

Depression Assessments

The following tools are specific for depression. Tools that screen for multiple conditions, including depression, anxiety, and others, are found in Broadband Mental Health Screens, above.

Center for Epidemiological Studies Depression Scale for Children (CES-DC) (37 KB) @

 20 items about depression, youth-reported, 6-17 years. Free. Sensitivity 71%, specificity 57% (not optimal discrimination among depressed and non-depressed adolescents but included because provides an option for younger patients; National Assistive Technology Act Technical Assistance and Training (AT3) Centers?).

DSM-5 Online Assessment Measures (APA) &

Diagnostic and Statistical Manual of Mental Disorders, 5th Edition (DSM-5) Level 1 Cross-Cutting Symptoms Measures contains 25 questions to screen for depression, anger, irritability, mania, anxiety, somatic symptoms, inattention, suicidal ideation/attempt, psychosis, sleep disturbance, repetitive thoughts and behaviors, substance use. Parent (DSM-5 Parent-Rated Level 1 Symptom Measure—Age 6-17 (APA) (♣ 367 KB)) and youth (DSM-5 Self-Rated Level 1 Symptom Measure—Age 11-17 (APA) (♣ 250 KB)) versions. Use additional Level 2 screeners for further investigation into these areas when a Level 1 screen is positive, e.g., Severity Measure for Depression-Child Age 11-17, PHQ-A ₽ Level 2, Depression, Parent/Guardian of Child Age 6, 17. Ages 6-17. Free.

Kutcher Adolescent Depression Scale (KADS)

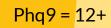
Two versions: KADS-6 (6-Item Kutcher Adolescent Depression Scale (KADS-6) ©) and KADS-11 (Kutcher Adolescent Depression Scale: KADS-11 (E) 126 KB) ©, PDF; Kutcher Adolescent Depression Scale: KADS-11 ©, online), 12-17 years, youth version. Can be used for monitoring of youth undergoing treatment. Ages 12-17 years. Free. Sensitivity 92%, specificity 71% (National Assistive Technology Act Technical Assistance and Training (AT3) Center ©).

Patient Health Questionnaire (PHQ) Screeners &

- · PHQ offers multiple screens that range from 2-83 questions. The shorter versions pertain to depression. Free.
 - PHQ-A (Adolescent version of the PHQ-9) Patient Health Questionnaire Modified for Adolescents (PHQ-A) (228 KB) 9
 questions to screen for depression, ages 11-18. Overall sensitivity 75% and specificity 92% (National Assistive Technology
 Act Technical Assistance and Training (AT3) Center ().
 - PHQ-2: Patient Health Questionnaire 2 (PHQ-2) (► 13 KB) № 2 questions to screen for depression, general population screen, can be used for ages 11 and older. Sensitivity 83-87%, specificity 78-92% (National Assistive Technology Act Technical Assistance and Training (AT3) Center №).
 - · PHQ-4: 4 questions to screen for anxiety and depression, general population screen, can be used with ages 11 and older.
 - PHQ-9: 9 questions to screen for depression, general population screen, can be used with teens with cutoff score of 10.
 Sensitivity and specificity 88% for major depression (National Assistive Technology Act Technical Assistance and Training (AT3) Centers).

Ask Suicide-Screening Questions (ASQ) Toolkit (NIMH) @

4 items, ages 10-24 years, administered verbally by nurse or clinician to youth (preferably without parent present) in approximately 20 seconds, available in multiple languages including English, Spanish, Arabic, (Mandarin) Chinese, Dutch, French, Hebrew, Italian, Japanese, Korean, Portuguese, Korean, Russian, Somali, and Vietnamese. Developed by the National Institute for Mental Health to prevent suicides in youth, the free toolkit includes the ASQ Suicide Risk Screening Tool (NIMH) (208 KB) as well as follow-up resources for positive screens (defined as one or more positive responses). For use in medical settings (emergency department, inpatient medical/surgical units, outpatient clinics/primary care). Sensitivity 97%, specificity 88% in an emergency department validation study. (Horowitz 2012)



Preschool Feelings Checklist

PFC-Parent

- Age: 3 6
- · Administered by: Parent
- · 16 questions (yes/ no)
- · Cost: None

Screening for Depression

"A critical component of the screening process is an appreciation that a positive screen is not diagnostic, but rather, should prompt the screening provider to conduct a clinical assessment to better understand the depressive symptoms, prior to planning or initiating treatment. Harm may occur when screening tests are used to substitute a diagnostic assessment, as false positive screens may result in unnecessary initiation of antidepressant medications with associated risks to the patient including the emergence of 'iatrogenic comorbidities' (Carvalho et al., 2016; Fava et al., 2016). The reporting of depressive symptoms on a screening measure should trigger a clinic-based conversation with the patient to determine the most appropriate intervention, rather than an automatic referral for specialized psychiatric care. While assessing distress, conversations with primary and secondary health care providers, treatment of poorly controlled physical symptoms and engagement of social work, 'spiritual care or other support services may all be of value in this circumstance to address factors that contribute to depressive symptoms as a final common pathway of distress (Lo et al., 2010; Thombs et al., 2018).

Screening tool	Items	Time to complete (minutes)	Copyright	
Distress Thermometer	1	ব	No	
'Do you feel depressed'	1	<1	No	
PHQ-2	2	1-2	No	
PHQ-9	9	3-6	No	
HADS	14	5-10	Yes	
BDI-II	21	10-15	Yes	
CES-D	20	10-15	No	

PHQ: Patient Health Questionnaire; HADS: Hospital Anxiety and Depression Scale; BDI-II: Beck Depression Inventory-II; CES-D: Center for Epidemiologic Studies Depression Scale.

All listed scales have been tested in numerous languages and treatment settings (e.g. primary care, specialized clinics, community samples).

Rosenblat JD, Kurdyak P, Cosci F, et al. Depression in the medically ill. Australian & New Zealand Journal of Psychiatry. 2020;54(4):346-366. doi:10.1177/0004867419888576 https://journals.sagepub.com/doi/10.1177/0004867419888576



Symptom	Preschool –	School Age	Adolescent	Adult
Dysphoria	+++ but more time/activity variability, can be challenging to elicit	+++ more persistent than in younger children, but still variable	+++ can present as isolation	+++
Anhedonia	+++ but varies in time— seems to not have much fun	+++ varies but less so over time—seems to lack or reports lack of fun	+++ may also present as boredom	+++
Irritability	+++	+++	+++	++
Acting Out	+++	+++	+++	+
Decreased Energy	+	++	+++	+++
Sleep Disturbance	+/-	+/-	+++	+++
Weight Loss/Appetite Change	.+	+	++	+++
Other Somatic Complaints	+++	+++	++	+
Delusions	Very rare	Very rare	+	++ but increases with age

⁺⁺⁺ common, ++ less frequent, + infrequent, +/- variably present

Irritability is common in kids with depression (and anxiety) and less likely in adults

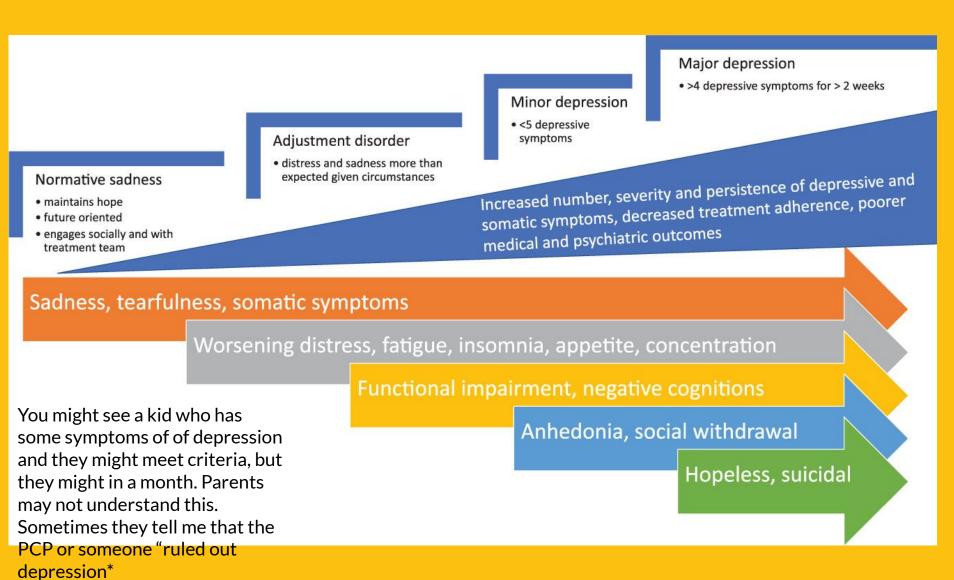
Child and Adolescent Depression, An Issue of Child and Adolescent Psychiatric Clinics of North America

1st Edition - April 28, 2012

Authors: Stuart Goldman, Frances Wren

Hardback ISBN: 9781455738403 9 7 8 - 1 - 4 5 5 7 - 3 8 4 0 - 3 eBook ISBN: 9781455743933

When is it becoming Depression?



And that may have been true but

then they developed it later.

Rosenblat JD, Kurdyak P, Cosci F, et al. Depression in the medically ill. Australian & New Zealand Journal of Psychiatry. 2020;54(4):346-366. doi:10.1177/0004867419888576 https://journals.sagepub.com/doi/10.1177/0004867419888576

When does it become a disorder?

- Persistent (duration)
- Severe (significant)
- Impaired functioning
- Subjective with significant distress

Depressive Disorders

- Major depressive disorder
- Bipolar Disorder
- Disruptive mood dysregulation disorder
- Persistent depressive disorder (dysthymia)
- o Premenstrual dysphoric disorder
- Substance/medication-induced depressive disorder
- Depressive disorder due to another medical condition
- o Other specified depressive disorder
- Unspecified depressive disorder

Non bolded diagnoses = Not going to go over today in depth for one reason or another. If very interested let me know for future lectures. We will touch on them though

After researching, I realized that one of the most effective things a PCP can do other than accurately diagnosing depression is differentiating between mild, moderate, and severe depression and treat based on guidelines according to severity.

For homework I would encourage you to try and calibrate mild, moderate, and severe depression and what that looks like clinically

Major Depressive Disorder

Major Depressive Disorder

TABLE 1

DSM-5 criteria for major depressive disorder and persistent depressive disorder

Major depressive disorder (in children and adolescents, mood can be irritable)

5 or more of 9 symptoms (including at least 1 of depressed mood and loss of interest or pleasure) in the same 2-week period; each of these symptoms represents a change from previous functioning

- Depressed mood (subjective or observed)
- Loss of interest or pleasure
- · Change in weight or appetite
- · Insomnia or hypersomnia
- Psychomotor retardation or agitation (observed)
- · Loss of energy or fatigue
- · Worthlessness or guilt
- · Impaired concentration or indecisiveness
- Thoughts of death or suicidal ideation or suicide attempt

https://www.psychiatrictimes.com/view/persistent-depressive-disorder-dysthymia-and-chronic-depression-update-diagnosis-treatment

Notes:

- Comes in many flavors mild, moderate, severe, with psychotic features, single, recurrent, in remission, atypical, typical (melancholic)
- Parents often call sadness or low mood depression. It helps to clarify terminology.
- When I'm asking about previous depressive episodes
 I specify that by depression I mean depressed mood
 and sx for at least several days not just one or two
 bad days.
- Impairment in functioning is developmentally based.
 Little kids play less. Teens isolate more.
- I try and get specific info on SI. When did it start, how often does it occur, how long does it last, what triggers it, what makes it go away, is it active or passive, any self harm, any suicidal gestures and what are their reasons for living.

Severity - mild, moderate, severe

"While recognising that severity is not a unitary dimension, practically it is useful to make a judgement of severity consisting, at least, of number of symptoms, severity of individual symptoms and functional impairment. This leads to a classification of depression into the following severity groupings based on DSM-IV criteria, which should be viewed as exemplars not discrete categories. In the guidelines the term depression refers to major depression:

subthreshold depressive symptoms: fewer than five symptoms of depression

mild depression: few, if any, symptoms in excess of the five required to make the diagnosis, and the symptoms result in only minor functional impairment

moderate depression: symptoms or functional impairment are between 'mild' and 'severe'

severe depression: most symptoms, and the symptoms markedly interfere with functioning; can occur with or without psychotic symptoms."

https://www.ncbi.nlm.nih.gov/books/NBK82926/

PHQ-9 Score Interpretation

0 to 4 Points: No depression

5 to 9 Points: Mild depression

10 to 14 Points: Moderate depression

15 to 19 Points: Moderately severe depression

20 to 27 Points: Severe depression

Bipolar Disorder

Bipolar Disorder

- It is not a depressive disorder. It used to be listed in mood disorders in the DSM earlier on. Now it's separate
- I would recommend that unless you're a psychiatrist or child psychiatrist you don't make this diagnosis (ESPECIALLY UNDER 16)
- The views of bipolar disorder in kids are evolving and there is still controversy and different schools of thought
- If you do want to make this diagnosis, I personally feel you should see the manic episode yourself or the signs
 are so obvious that there is literally nothing else it could be
- The two schools in psychiatry it can happen in young kids and is underdiagnosed. It can't happen and is over diagnosed.
- People often call emotional dysregulation plus impulsivity bipolar disorder. It's kind of like saying you have the
 flu when you have a cold. The flu means something different to doctors than the general population. Same with
 the terms bipolar and manic
- If you diagnose, it's easier (but not required at all) to call it if the manic episodes are really outside the norm for someone. Example: quiet shy pathologist happily married. When manic he strips naked at work, makes inappropriate sexual responses and gets violent. So someone normally mild mannered who needs seclusion when they get manic sticks out more
- Often we want there to be an Occam's razor in child psych ...bipolar disorder and autism often are what parents think the Occam's razor is. But what may look like bipolar disorder on the outside to some people is really just a bunch of symptoms and a bunch of disorders coming together to create a ton of dysregulation.

Optional viewing for a low grade manic episode

To help calibrate it is helpful if you see what someone looks like in a full blow manic episode. But if not there are some good film representation out there.

NSFW Warning: there is swearing

Movie: silver linings playbook

Example of manic behavior

Scene: https://youtu.be/h_cSoU5kC70

What to note: staying up day and night to finish a book, chucks the book thru the window, wakes up his parents to go on an intense tirade about Hemingway. Note the intensity about hemmingway. All together it's too much.

This is different than the teen who can't sleep, stays up on their phone snap chatting all night and is tired but can't sleep. They are not running into their parents room going on a tirade, pacing back and forth, yelling in the middle of the night and breaking windows.

https://www.vulture.com/2012/12/ask-a-psychiatrist-how-does-silver-linings-playbook-handle-mental-illness.html

That all being said...if the word bipolar comes to mind during an evaluation then that's a clue you really need to screen for...

Disruptive Mood Dysregulation Disorder

DMDD



This diagnosis was created and first seen in the DSM-5 edition. Part of the reason it was created was because we realized in child psychiatry we are not good at picking out which kids truly have bipolar disorder. However there is a subset of kids who are so extremely moody that they did not quite fit into any other category. Therefore DMDD was created.

Right now if you diagnose DMDD you cannot also diagnose ODD. Studies have shown that almost all kids with the DMDD also have ODD And therefore DMDD is seen as sort of a trump card diagnosis at this time.

That being said research is also starting to show that ODD and DMDD have different origins and so may actually be different types of disorders.

DMDD

"While similar behaviors may overlap between bipolar disorder and DMDD, the symptoms of BD are contained within episodes. The symptoms of DMDD are ongoing. Additionally, bipolar is less common in children and adolescents. BD is usually a lifelong condition, whereas DMDD is more likely to "change" into major depressive disorder or generalized anxiety disorder later in life. Before DMDD became an official diagnosis in 2013, most children with DMDD were misdiagnosed with bipolar disorder. "

Points:

Ages 6-18, sx usually by age 10

DMDD and ODD cannot be concurrently diagnosed

Unlike ODD, sc must be present in two settings. Often one worse than the other.

Disruptive Mood Dysregulation disorder (DMDD)

DMDD symptoms usually begin before the age of 10. A child with DMDD experiences:



An irritable or angry mood most of the day, almost every day.



Severe temper outbursts (verbal or behavioral) that are out of proportion to the situation. These usually happen three or more times per week.



Issues with daily functioning due to irritability in more than one environment, such as at home, at school or with their peers.





Persistent Depresive Disorder

PDD

PDD - previously known as dysthymia

Persistent depressive disorder (in children and adolescents, mood can be irritable and duration must be 1 year or longer)

Depressed mood for most of the day, for more days than not, for 2 years or longer

Presence of 2 or more of the following during the same period

- Poor appetite or overeating
- Insomnia or hypersomnia
- Low energy or fatigue
- Low self-esteem
- Impaired concentration or indecisiveness
- Hopelessness

Never without symptoms for more than 2 months



Tips

- Watch out for double depression (mdd on top). ¾
 ppl with pdd will get a double depression
 sometime in their life
- Sometimes seen by others as having a gloomy personality
- Often less severe and intense than MDD but more chronic, longer, predisposes to double depression and comorbid disorders which can make it more dangerous and severe
- As a psychiatrist when I evaluate pdd it's almost always in the context of double depression or worsening other disorders. Usually pdd is part of the mix by the time they get to me but rarely the only disorder
- Common peds clinical presentation: adolescent who has been down for many years and due to additional sx going on seeks different treatment.
 Often gloomy and/or cynical.

Premenstrual dysphoric disorder (PMDD)



DSM-5 criteria for premenstrual dysphoric disorder

A. In the majority of menstrual cycles, at least 5 symptoms must be present in the final week before menses, start to improve within a few days after the onset of menses, and become minimal or absent in the week after menses.

- B. One (or more) of the following symptoms must be present:
 - 1. Marked affective lability (eg, mood swing, feeling suddenly sad or tearful, increased sensitivity to rejection)
 - 2. Marked irritability/anger or increased interpersonal conflicts
 - 3. Marked depressed mood, feelings of hopelessness, or self-deprecating thoughts
 - 4. Marked anxiety, tension, and/or feelings of being keyed up or on edge

C. One (or more) of the following symptoms must additionally be present, to reach a total of 5 symptoms when combined with symptoms from Criterion B above:

- 1. Decreased interest in usual activities (eg, work, school, friends, hobbies)
- 2. Subjective difficulty concentrating
- 3. Lethargy, easy fatigability, or marked lack of energy
- 4. Marked change in appetite, overeating, or specific food cravings
- 5. Hypersomnia or insomnia
- 6. A sense of being overwhelmed or out of control
- 7. Physical symptoms such as breast tenderness or swelling, joint or muscle pain, a sensation of bloating, or weight gain

Note: The symptoms in Criteria A-C must have been met for most menstrual cycles that occurred in the preceding year.

Adapted from: American Psychiatric Association. Diagnostic and Statistical Manual of Mental Disorders, Fifth Edition. 2013.7

Tips

- More severe and disabling than pms
- Sx should be tracked for a minimum of two cycles
- Pms and PMDD often start in late adolescence
- If you suspect PMDD you should screen for depression and SI.
- For patients and parents, good toolkit info: https://iapmd.org/toolkit
- Supportive measures and therapy for mild symptoms
 - SSRIs for more severe symptoms. Fluoxetine, sertraline, paroxetine are approved for adult PMDD. Research studies limited for adolescents but indicate SSRIs are also appropriate and safe.

https://pubmed.ncbi.nlm.nih.gov/2 3529867/

https://www.mdedge.com/familymedicine/article/216331/womens-health/evidence-based-tools-premenstrual-disorders https://www.aafp.org/pubs/afp/issues/2002/1001/p1239.html

https://www.npwomenshealthcare.com/assessmant and management-of-pms-and-pmdd-in-the-adolescent/

https://www.sciencedirect.com/science/article/alss/pii/\$1538544222000566

Using apps to track symptoms

I think they can be great to help with mental health.

But apps that track periods may need more scrutiny at this time. Unfortunately they are not very protected and selling girls' user data about their cycles is profitable and of interest to many companies. There are concerns this data could be used against women for life insurance, etc.

"Period-tracking apps are often not covered under the Health Insurance Portability and Accountability Act, or HIPAA, though if the company is billing for health care services, it can be. Still, HIPAA doesn't prevent the company from sharing de-identified data. If the app is free — and the company is monetizing the data — then "you are the product" and HIPAA does not apply, Savage said. A 2019 study published in the BMJ found that 79% of health apps available through the Google Play store regularly shared user data and were "far from transparent." When it comes to marketing, a pregnant person's data is particularly of high value and can be hard to hide from the barrage of cookies and bots. Some period-tracking apps, which often ask for health information besides menstrual cycle details, take part in the broader internet data economy, too. The data can be sold to third parties, such as big tech companies; or to insurance companies, where it could then be used to make targeting decisions, such as whether to sell you a life insurance policy, or how much your premium should be," said Giulia De Togni, a health and artificial intelligence researcher at the University of Edinburgh in Scotland. "

https://khn.org/news/article/period-tracking-apps-data-privacy/

ASK KHN-POLITIFACT

Should You Worry About Data From Your Period-Tracking App Being Used Against You?

By Hannah Norman and Victoria Knight

9 MONTHS AGO

REPUBLISH THIS STORY



POLITIFACT

This story also ran on $\underline{\text{PolitiFact}}$. It can be $\underline{\text{republished for free}}$.

Substance/medication-induced depressive disorder *

Depressive disorder due to another medical condition *

Other specified depressive disorder *

Unspecified depressive disorder *

Things to Keep in Mind about the other Depressive Disorders

Substance / medication induced depressive disorder

-symptoms for at least 1 month, even after stopping the substance

Other specified depressive disorder

Recurrent brief
depression
short duration
depressive episode
depressive episode
with insufficient
symptoms

Depressive disorder secondary to another medical condition

directly related to medical condition most common in strokes, parkinson's, huntingtons **Unspecified Depressive disorder**

Depression but not quite MDD

Comparing Depressive Disorders

	MDD	PDD (Dysthymia)	DMDD	PMDD
Symptoms				
Mood (Note: can be depressed, irritable or angry and can fluctuate)	Depressed mood	Depressed mood	Severe recurrent temper outbursts Irritable mood	Mood swings Depressed mood Irritable or angry mood
Anhedonia	+	-		+
Psychomotor symptoms	Agitation or retardation	-	-	-
Anxiety/tension	_	-	-	+
Suicidal ideation	Recurrent thoughts of death or suicidal ideation, or attempt, or plan	-	-	
Appetite changes	Significant increase or decrease in weight or appetite	Poor appetite, or overeating	-	Marked change in appetite, over-eating or specific cravings
Insomnia/hypersomnia	+	+		+
Low energy/fatigue	+	+	-	+
Poor Concentration	+	+	-	+
Low Self-esteem	_	+	T-1	-
Negative Cognitions	Worthlessness or excessive guilt	Hopelessness	=	Overwhelmed or out of control



PCP prescribing practices

"Few PCPs (25% for moderate, 32% for severe) recommended an antidepressant. Compared with treatment recommendations for moderate depression, severe depression was associated with a greater likelihood of child psychiatry referral (OR 5.50[95% CI 2.47-12.2] p<.001). Depression severity did not affect the likelihood of antidepressant recommendation (OR 1.58[95% CI 0.80-3.11] p=.19). Antidepressants were more likely to be recommended by PCPs with greater depression knowledge (OF 1.72[95% CI 1.14-2.59] p=.009) and access to an on-site menta health provider (OR 5.13[95% CI 1.24-21.2] p=.02) and less likely to be recommended by PCPs who reported higher provider burden when addressing psychosocial concerns (OR 0.85[95% CI 0.75-0.98] p=.02).

PCPs infrequently recommended antidepressants for adolescents, regardless of depression severity. Continued PCP support through experiential training, accounting for provider burden when addressing psychosocial concerns, and co-management with mental health providers may increase PCPs' antidepressant prescribing."



J Dev Behav Pediatr. Author manuscript; available in PMC 2015 January 01

Published in final edited form as:

Primary Care Providers' Initial Treatment Decisions and Antidepressant Prescribing for Adolescent Depression

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TADS Study Treatment for Adolescents with Depression Study

- Upward of 60%-70% of teens with moderate-severe depression will respond to medication or medication and CBT
- Younger, less impaired, and less comorbid patients do better with treatment generally
- Med+ Therapy>Med Alone>Therapy Alone in effectiveness for treating depression.
- Taking both benefit and risk into account, the benefit to risk ratio is 17 to 1 for the combination of fluoxetine and cognitive-behavioral psychotherapy and 5 to 1 for fluoxetine alone. The more robust benefit to risk ratio for combination treatment stems from its greater impact on symptoms of MDD and on a reduction in harm-related adverse events relative to patients treated with fluoxetine alone.

Funded by the National Institute of Mental Health, coordinated by the Duke Clinical Research Institute, and conducted in 13 academic and community centers in the United States, the Treatment for Adolescents with Depression Study (TADS) is a randomized controlled trial that evaluates the effectiveness of four treatments for adolescents with moderate to severe major depression. These are clinical management with fluoxetine, cognitive-behavioral psychotherapy (CBT), their combination (fluoxetine plus CBT), and clinical management with placebo. Medications were administered double-blind; cognitive-behavior therapy and combined treatment were administered unblinded. Blinding for the primary outcomes was maintained by means of an Independent Evaluator.

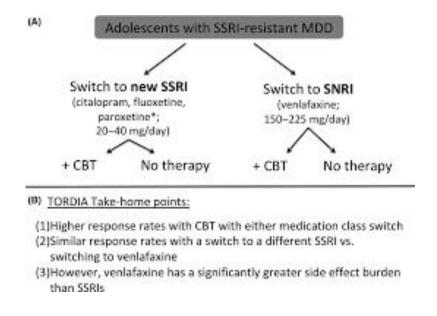
Rates of response defined as much or very much improved were: 71.0% for the combination of fluoxetine and CBT, 60.6% for fluoxetine alone, 43.2% for cognitive-behavioral psychotherapy alone, and 34.8% for placebo. Thus, the combination of fluoxetine and cognitive-behavioral psychotherapy appears to produce the greatest improvement in symptoms of major depression. Fluoxetine alone is effective, but not as effective as the combination of fluoxetine and CBT. Cognitive-behavioral psychotherapy alone is less effective than fluoxetine and not significantly more effective than placebo.

Almost 30% of TADS participants had suicidal ideation at the start of the study; 2% had intense suicidal ideation. Suicidality decreases substantially over 12 weeks of treatment. Improvement in suicidal ideation is greatest for the combination of fluoxetine and CBT and least for fluoxetine alone. Importantly, fluoxetine does not appear to increase suicidal ideation. In contrast, harm-related behavioral events though uncommon were more common in patients receiving fluoxetine as follows: fluoxetine (11.9%), the combination of fluoxetine and CBT (8.4%), cognitive-behavioral psychotherapy (4.5%) and placebo (5.4%). Thus, consistent with its impact on suicidal ideation, cognitive-behavioral psychotherapy may protect against these events in patients taking fluoxetine. Only 1.6% of patients (7 or 439) patients made a suicide attempt; there were no completed suicides.

Walkup JT. Treatment of depressed adolescents. *Am J Psychiatry*. 2010;167(7):734-737. doi:10.1176/appi.ajp.2010.10040566 https://aip.psychiatryonline.org/doi/10.1176/appi.ajp.2010.10040566

 $https://www.aacap.org/aacap/families_and_youth/Resources/Psychiatric_Medication/The_Treatment_for_Adolescents_with_Depression_Study_TADS.aspx$

TORDIA STUDY Treatment of Resistant Depression in Adolescence



TORDIA enrolled teens ages 12–18 years (N=344) who had failed a previous trial of an SSRI and randomly assigned them to a medication switch only (another SSRI or venlafaxine) or a medication switch plus cognitive behavioral therapy (CBT) (another SSRI plus CBT or venlafaxine plus CBT). Subjects were treated for 12 weeks, and then week-12 responders were continued in their assigned arms and followed until week 24.

TORDIA suggests that of those who fail that first test of medication, approximately 40% will remit to the next antidepressant trial

https://acamh.onlinelibrary.wiley.com/doi/abs/10.1111/jcpp.13202

ADAPT STUDY Adolescent Depression Antidepressant and Psychotherapy Trial

- This study was for the really, really depressed kids it recruited nonresponders to a brief intervention (N=128) and those
 too ill for the brief intervention or already on medication (N=85) were evaluated, and those appropriate for entry (N=208) were
 randomly assigned 1:1 to an SSRI or an SSRI plus CBT.
- Decent response rates, but lower than other studies, probably because they were the really depressed kids.

 Response rates at 12 weeks were 41.6% in combined treatment and 43.6% in SSRI only treatment. The lower 12-week response rates relative to TADS may reflect the more severe baseline status of ADAPT subjects or may reflect the exclusion of brief intervention responders, which may have reduced the overall number of responders in the main trial (N=34).
- There was significant recovery at all time points in both arms. The findings demonstrated no difference in treatment effectiveness for SSRI + CBT over SSRI only for the primary or secondary outcome measures at any time point. This lack of difference held when baseline and treatment characteristics where taken into account (age, sex, severity, co-morbid characteristics, quality and quantity of CBT treatment, number of clinic attendances). The SSRI + CBT group was somewhat more expensive over the 28 weeks than the SSRI-only group (p = 0.057) and no more cost-effective.
- One big take away: Modification is advised for those presenting with moderate (6-8 symptoms) to severe depressions (>8 symptoms) and in those with either overt suicidal risk and/or high levels of personal impairment. In such cases, the time allowed for response to psychosocial interventions should be no more than 2-4 weeks, after which fluoxetine should be prescribed.

https://acamh.onlinelibrary.wiley.com/doi/abs/10.1111/jcpp.13202

Big Therapy Points From the Studies

"What is the role of psychotherapy in the treatment of teen depression?

- In the TADS acute phase, CBT alone was not significantly more effective than medication management with placebo, except in those who had milder symptoms and shorter duration of illness and in those whose family had higher incomes.
- CBT and medication was better than medication alone on some outcomes but not for the more severely affected, where the addition of CBT to medication did not offer additional benefit.
- TADS did identify that the addition of CBT to medication may have a protective effect on the risk for suicidality observed in the medication alone group.
- In the ADAPT trial, the addition of CBT to medication did not significantly improve outcome and did
 not identify either a risk for increased suicidality in those on medication or a protective effect of CBT
 on suicidality.
- In the TORDIA acute phase, the groups getting combined treatment had an approximately 10% greater response rate, but this between-group difference did not persist to week 24.
- TORDIA, like ADAPT, did not find a signal for SSRI-associated suicidality or for the protective effects of CBT.
- There is probably a role for CBT alone for milder and shorter duration depressive illness and in those who might be considered ideal candidates for psychotherapy.
- However, it is very difficult to argue that CBT is not helpful at all for those with more severe
 depression, but the data do not support either the use of CBT as first-line treatment or the utility of
 CBT as an adjunct to medication for severely ill patients. The data from the ADAPT trial is particularly
 clear on this point."

Big Medication Points From the Studies

"What should we expect from medication treatment?

- There is a group of depressed patients who have not been exposed to antidepressant medication who respond rapidly to treatment.
- Even among those who have failed one antidepressant, there is a group of patients who respond quickly to a switch in medication, even as early as week 6. T
- here is probably little reason why these teens should not routinely be identified and successfully treated to remission and recovery.
- In all of these clinical trials, the clinic visits were frequent and dose adjustments brisk. Maybe kids need more aggressive treatment rather than the normal "start low and go slow" approach.
- For those who are more complex and who may take longer to remit, it is probably more important to adjust dosing quickly and to use adequate doses to either establish the capacity to respond or to take the next step, a switch in antidepressant treatment.
- How long to wait before switching antidepressants is not fully established, but remitters usually demonstrate improvement by 8–10 weeks.
- Minimal response or failure to respond by 8–10 weeks does not preclude later improvement, but clinicians and patients should not let grass grow under their feet and should be prepared for the management of resistant depression, a la TORDIA, early in treatment."

Big Take Aways

Moderate/Severe Depression - Need meds and therapy to be most effective

If kids fail 1 SSRI - you can switch to another SSRI or venlafaxine (SNRI). The only difference is that venlafaxine is most likely to have more side effects

Meds and therapy are effective for depression

Meds do not contribute to suicidal actions and are considered safe

"Perhaps the most important step in improving outcomes for teen depression is to make sure that teens get to the clinic and get there early in their course of illness. There has been a lot of public chatter about how antidepressants are not effective or are harmful for teens that may be keeping teens and their families away from treatment. Investigator-initiated studies such as TADS, APADT, and TORDIA are unequivocally clear that treatment for teen depression that includes medication is effective and can be implemented safely.

Hopefully, broadly disseminating the results of TORDIA, TADS, and ADAPT can improve outcomes for depressed teens."

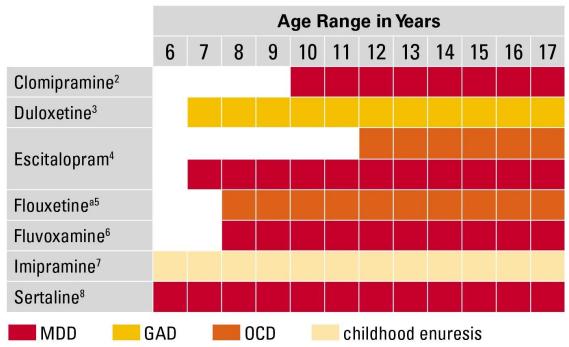
So when should you recommend meds

- Moderate to severe depression (meds in combination with therapy most effective)
- Patient unable to participate in therapy due to severity of symptoms
 - Prominent daily impairment or avoidance
- Symptoms that do not respond a few months of therapy
- Severe physiological symptoms
- Lack of availability of evidence-based therapy interventions

Medications

 Takes 4-6 weeks to reach effectiveness. Should be gradually improving theoretically until that point.

FIGURE 2 FDA-approved pediatric age ranges and indications for antidepressant medications



^aFluoxetine is FDA approved for the treatments of MDD in pediatric patients aged to 18 years. Abbreviation: FDA, Food and Drug Administration; GAD, generalized anxiety disorder; MDD, major depressive disorder; OCD, obsessive-compulsive disorder.

From Centers for Medicare and Medicaid Services.¹²

https://www.contemporarypediatrics.com/view/diagnosing-depression-preschoolers

Medications - Dosing

Table 3. Recommended Initial and Maximum Dose in Children and

Adolescents ¹⁰⁻¹²				
	Recommended Initial Dose* (mg)	Recommended Maximum Dose* (mg)		
Citalopram	10-20	40		
Escitalopram	5-10	20		
Fluoxetine	5-20	20-80		
Paroxetine** (immediate release)	10-20	50		
Sertraline	12.5-50	200		

Doses for MDD or depression were used if listed and other indication doses were used if no MDD

Younger kids, more sensitive to meds, fearful of meds, more mild symptoms = start with the lower end of starting dose

Older kids, less sensitive to meds, more comfortable with taking meds, more severe depression = start with higher end of starting dose

Utilize shared decision making especially when you are unsure which dose to start with. Parents and kids get input.

Characteristics of commonly used antidepressants^a

		Pediatric			Adult	
	Starting dose (mg/d)	Typical dose range (mg/d)	FDA indications	Starting dose (mg/d)	Typical dose range (mg/d	
Selective serotonin	reuptake inhibitors	1				
Citalopram	10 to 20	20 to 40	7-	20	40	
Escitalopram	5 to 10	10 to 40	MDD	10	20 to 40	
Fluoxetine	10 to 20	20 to 80	MDD, OCD	20	20 to 80	
Fluvoxamine	25 to 50	50 to 300	OCD	100 to 300	100 to 300	
Paroxetine	10 to 20	20 to 60	-	10 to 20	40 to 60	
Sertraline	25 to 50	100 to 200	OCD	50	150 to 250	
Serotonin-norepine	phrine reuptake inf	nibitors				
Venlafaxine	37.5	150 to 225	(r=)	37.5 to 75	75 to 375	
Duloxetine	30	40 to 60	GAD	20 to 60	20 to 80	
Desvenlafaxine	25	25 to 100	77	50	50 to 400	
Atypical antidepres	sants					
Bupropion	100	150 to 300	<u></u>	100 to 150	150 to 300	
Mirtazapine	7.5 to 15	15 to 45	-	15	15 to 45	
Vilazodone	Not s	tudied	(-)	10	10 to 40	
Vortioxetine	5	5 to 20	-	10	10 to 80	
Tricyclic antidepres	sants					
Clomipramine	25	50 to 200	OCD	25	100 to 250	
Desipramine	25 to 50	50 to 200		100 to 200	150 to 300	

30 to 50

10

Nortriptyline

30 to 150

50 to 150

https://cdn.mdedge.com/files/s3fs-public/CP018 09026.PDF

Enuresis

100

25 to 75

75 to 150

150 to 300

^{*}All information in this Table is based on the FDA-approved prescribing information for each medication.

GAD: generalized anxiety disorder; MDD: major depressive disorder; OCD: obsessive-compulsive disorder; PD: panic disorder; PTSD: posttraumatic stress disorder; SAD: social anxiety disorder

When the first medication doesn't work

- Because more than a third of kids between 55 and 65 percent don't respond to the initial antidepressant they take, it's not unusual to try a second medication. Kids who don't respond to the first often do find success with a different antidepressant. Therapy may also be added if it hasn't been tried.
- If a child does not have a clear response to the medication around 40 percent reduction in symptoms after six weeks, a switch should be considered.
- Examples:

Prozac 20mg started for a 15 year old. 6 weeks later there has been no improvement at all. You should switch the antidepressant. You can switch to another SSRI OR you can switch to an SNRI (venlafaxine). Kids only need to fail one SSRI to technically switch to venlafaxine. Going to venlafaxine vs another SSRI are equally as effective in studies - however venlafaxine does have higher risk for side effects and patients wanting to stop the medication.

Prozac 20mg started in a 15 year old. 6 weeks later maybe 20 percent improvement. Family thinks they may see a few better days, teen isn't sure but maybe feels a little bit better at times. Could be good weather, hanging out with friends, or meds. **Discuss increasing medication one more time with patient vs switching and use shared decision making**.

Prozac 20mg started in a 15 year old. 6 weeks later maybe 40 percent improvement. Parent and kid both notice some improvement and are surprised that things are a little bit better. Kid is getting out more, arguing less, getting out of bed easier. Still having SI and really down days sometimes though. **Increase prozac** to 30mg (or even 40mg potentially).

Pros and Cons of how to switch - direct vs cross taper

TABLE 2. Advantages and disadvantages of various switching strategies ^{5,9}				
Switching approach	Method	Advantages	Disadvantages	

Switching approach	Method	Advantages	Disadvantages
Direct	Stop old antidepressant Start new antidepressant the next day at therapeutic dose (equivalent to old antidepressant)	No washout period required; may hasten response by attain- ing target dose more rapidly	Limited use to specific drug classes; risk of drug interac- tions; may precipitate discontinuation syndrome, depending on agents utilized
Cross-taper	1. Gradually reduce and stop old antidepressant 2. At the same time, start new antidepressant at low dose while tapering down old antidepressant 3. Either titrate new antidepressant to therapeutic dose while old agent is being tapered or increase new antidepressant to therapeutic dose once old antidepressant is stopped	Reduces symptom recurrence; minimizes withdrawal symptoms; no washout period required, therefore beneficial for higher- risk patients	Risk of drug interactions; may take a long time to successfully taper old antide- pressant, depending on how rapidly new antidepressant is titrated
Modified cross-taper when antidepressant medications interact	Gradually reduce and stop old antidepressant May consider a drug-free washout period over 2-4 days (or 2-5 weeks for MAOIs) Start new antidepressant at typical starting dose	Low risk of drug interactions	Risk of withdrawal symp- toms; washout period plus time for new antidepressant to reach efficacy increases risk of potentially life- threatening exacerbation of illness/relapse; may take a long time to successfully taper old antidepressant

I usually cross taper over 1-3 weeks. I tell patient/parent the pros and the cons of faster taper vs slower and get their opinion.

I usually cross taper by cutting the dose in half/doubling each week.

When low dose and when patient is not sensitive to med changes could consider just stopping. Example could cross taper prozac 20mg to 50mg sertraline or stop one and start another the next day.



Medications - First Line SSRIs

Fluoxetine has the most evidence in child psychiatry literature (it has been around longest and studied the most

Pros: research, long half life, provides energy, weight neutral

Cons: can be activating

Sertraline and escitalopram have a great evidence base as well.

Pros: more 'mellow', calming, interacts with fewer meds

Cons: less weight neutral for many

What is the only SSRI contraindicated?

Paroxetine/Paxil

Only indicated if child comes to you and is doing well on this. Otherwise it is the only medication which has evidence that it increases suicidal gestures in children/adolescents

PLEASE DON'T START THIS in children and adolescents.

The (in)famous black box warning

SSRIs increase suicidal ideation in kids.

Previous studies are old - showed suicidal ideation went up by 1-2% in the population

No increase in gestures, just thoughts

SSRIs are thought to be protective against suicide once maintenance dose achieved

If there are NEW or CONCERNING suicidal thoughts, the medication can be stopped and parent should follow up with doctor

Common side effects

Headaches, stomachaches, general GI problems, sexual SE, weight gain, sleepiness

Behavioral activation - way more commonly seen in kids than adults. Can be a sense of restlessness, agitation, anxiety. The younger the kids the more likely to be behavioral problems. Wait it out if possible but if the symptoms are too severe go down on the dose

Antidepressants and the growing brain

"We conclude that there is currently little evidence to indicate that the human adolescent brain is at developmental risk from SSRIs."

https://pubmed.ncbi.nlm.nih.gov/25744620

Depression and the growing brain

More and more studies are showing that depression has an effect on the brain at all ages. The main finding is a decrease in gray matter.

"According to the study, which followed children diagnosed with major depressive disorder between the ages of three and six, early childhood depression is associated with disruptions in brain development that continue into early adolescence. Periodic brain imaging revealed that in comparison with children unaffected by the disorder, children who had suffered from depression in their preschool years had lower volumes of gray matter—which contains the neural connections through which brain cells communicate—in the cortex of their brains. This change may have a lasting effect on emotional processing and make a child vulnerable to problems later in life, the researchers say."

https://www.bbrfoundation.org/content/early-childhood-depression-may-impact-brain-development-later-year

When to stop antidepressants

Remission of symptoms for 6-12 months

If multiple depressive disorders in the past, if they have been treatment resistant, if multiple suicide attempts then SSRIs may be beneficial for longer

This is usually done through shared decision making whether or not to stay on

DMDD is different for Treatment

Research is still ongoing. Right now research indicates that treating comorbid ADHD with stimulants is the best way to treat DMDD. There is some promising evidence for SSRIs.

However any medication that would typically be used for the symptoms could be used. For example if aggression is a main symptom, consider an atypical antipsychotic

The parent part

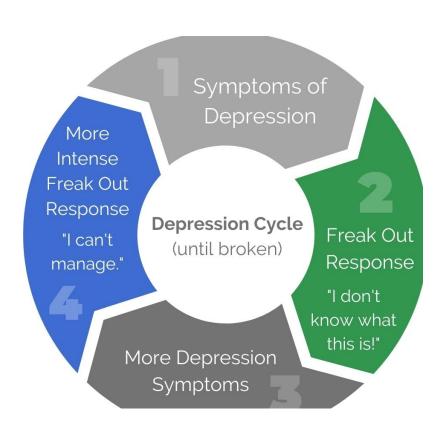
The magic of psychoeducation...

It is not only good for you to know, but good for them to know. Psychoeducation provides knowledge, prevention, and intervention

Models of psychoeducation

- ▶ Information model
- The focus is on providing families knowledge about psychiatric illness and their management.
- Skill training model
- The skill training model focusses on developing certain skills so that the family members can manage the illness more effectively.
- Supportive model
- The supportive model mainly involves taking help of support groups for engaging the family members of the patients in sharing their feelings.
- Comprehensive model
- The comprehensive model uses a combination of the previous three models

Psychoeducation can help break the cycle



PSYCHOEDUCATION

Psychoeducation encourages patients to become experts on their own depressive disorder. A person can make optimal therapy decisions more easily in collaboration with their treating specialist when they have an understanding of their symptoms, the course of their disorder and the possible treatment options.

WHY PSYCHOEDUCATION?



GOAL

To promote competent, independent management of the disorder and to promote collaboration between the patient and their treating healthcare specialists.

EFFECT

Survival curves for recurrence with depression



Together, psychoeducation and psychiatric therapy can result in significantly better treatment outcomes.

HOW TO INVOLVE THE PATIENT IN DEPRESSION THERAPY



The patient should receive evidence-based explanations of the symptoms, course and treatment of depression.



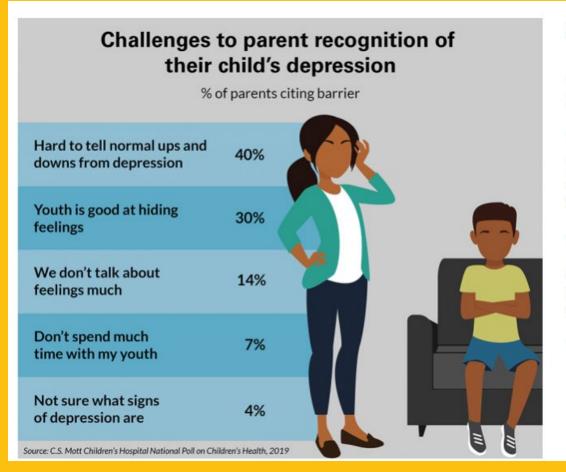
Shared decision-making: the psychiatrist and patient should explore potential treatment strategies together.



Psychoeducation results in increased patient knowledge and improved collaboration with treating healthcare specialists.

Source:





Highlights

1 in 4 parents say their middle or high school age-child knows a peer or classmate with depression.

Though most parents are confident they would recognize depression in their middle or high school-age child, two-thirds cite barriers to recognizing signs and symptoms.

7 in 10 parents think schools should screen all students for depression; 6th grade is the most preferred age to begin depression screening.

When the parent or patient disagrees with the diagnosis

What I do:

- 1. Ask them why.
- 2. Admit maybe I did miss something and investigate if they bring new info to light.
- 3. I continue to disagree then I tell them this is from my perspective of the clinical presentation at this time. A snapshot of the presentation, as much as we try can't always get absolutely everything going on in it
- 4. I always let them know things can change and also I can change my mind. It helps to be curious, open minded and willing to see all sides.
- If they really don't agree and we are at an impasse then I sometimes refer or reach out to other sources to get info (maybe send to psychology or check in with the school)

Example: Maybe a parent keeps thinking their child has depression but I think it's anxiety and inattentive ADHD. I tell the parent I do not see enough to diagnose depression now but it doesn't rule it out for the future and also if I'm just seeing the kid for the first time, I admit I need to get to know them and could change what I think later.



System psychoeducation

The Mental Health world is very confusing. There are a lot of blurry lines and often it comes down to what resources are local. PCPS can help by talking to families about the different roles of mental health providers - psychiatrist, vs psychologist vs therapist.

Families need help with addressing gaps in care, miscommunication and advocacy. It helps to walk them through how to talk to professionals, when to trust professionals, how to ask question and so on. They benefit from extra coaching and guidance.

For example: could the patient have returned to the therapist? Could the parent have asked to be more involved with the patient's therapist? Could the parent question what type of therapy is being done and make sure they are all on the same page for problems and treatment?



- Improve risk factors such as sub-syndromal symptoms of depression, underlying psychiatric disorders (anxiety), ongoing stressful situations, parental psychopathology, marital discord, substance abuse; treat depressed moms early and vigorously
- Stop the cycle of: depression; that makes child irritable; increases interpersonal conflict; other distance themselves from depressed child; loneliness and lack of support worsens
- 3. Help the parents treat their own mental health problems. Anywhere from getting them help so that they can see a psychiatrist or therapist or even have them learn coping skills so they can practice them in front of their children and role model.

The school part

School staff can

Offer support and encouragement

Let them know when you see small improvements or effort even if small

Encourage their interests

Incorporate mindfulness and physical exercise in the classrooms in small chunks

Offer to be there if they need something or need to talk

Provide psychoeducation

Remind kids wr have real treatments and people can get better

Connect them to others. Encourage healthy relationships. Offer resources and reach out to others for them

Something everyone can do - Applying the QPR method.

Example from usf-



Presented by:
Counseling and
Psychological Services,
GoUSF, and Health
Promotion Services

Question:

- 1. Have you been unhappy or overwhelmed lately?
- I'm worried about you and would like to know if I can help.
- 3. Are you thinking about hurting yourself?

Persuade:

- 1. Are you willing to get support from a counselor or someone else?
- 2. Can I find you help?

Refer:

Students: Would you be willing to walk to CAPS with me or call 415.422.6352 to make an appointment?

Faculty/Staff: Would you be willing to call CONCERN at 1800.344.4222 for help finding a therapist?

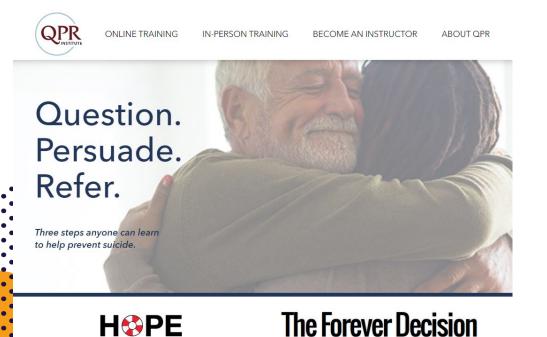
What you can do to start small

- Ask Are you Depressed? Yes and I don't know are positive screeners. No is no for the most part
- Give a Phq9 then review with patient and/or go over SIGECAPS
- Ask are you suicidal? do you want to die? how you ask isn't as important as just asking
- Provide hope
 - using psychoeducation we have lots of treatments and they are effective. We will get you feeling better
 - Using positive statements "I want you to live"
- Help parents get their own mental health treatment
- coach parents on using coping skills for themselves so that they can practice in front of/with their child
- Provide psychoeducation in general about depression. Knowledge is power and can help with treatment of depression in itself
- Provide tips for a safer home environment lock up meds, dispose of unnecessary meds, lock up or remove guns
- know how and when to prescribe antidepressants
- consider your own views on depression, medications and suicide and then how they might impact your treatment

Some Resources

QPR and Hope Squad® partner to prevent suicide

Read More



Free download of Paul Quinnett's book

Download PDF

The National Suicide Prevention Lifeline is now: 988 Suicide and Crisis Lifeline



988 has been designated as the new three-digit dialing code that will route callers to the National Suicide
Prevention Lifeline. While some areas may be currently able to connect to the Lifeline by dialing 988, this dialing code will be available to everyone across the United States starting on July 16, 2022.

Optional reading

Child and Adolescent Depression: A Review of Theories, Evaluation Instruments, Prevention Programs, and Treatments

https://www.frontiersin.org/articles/10.3389/fpsyg.2019.00543/full

How to go about interviewing psychiatric symptoms in PCP settings

The Psychiatric Review of Symptoms: A Screening Tool for Family Physicians | AAFP

Depression in Preschoolers -

https://www.contemporarypediatrics.com/view/diagnosing-depression-preschoolers

Medication Dosing

https://www.cms.gov/Medicare-Medicaid-Coordination/Fraud-Prevention/Medicaid-Integrity-Education/Pharmacy-Education-Materials/Downloads/ad-pediatric-dosingchart11-14.pdf

Learning about prevention in schools

https://www.thelancet.com/journals/lanpsy/article/PIIS2215-0366%2819%2930440-7/fulltext

Thank you

burgundy.johnson@carle.com