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Objectives





Understand the treatment of Adult ADHD



appropriate use of psychostimulants

	Percentage, by year							
is and age group, yet	2216	2017	2818	2019	29,20	2021	Average are call% charge,* 2016-2020	Renual N change,* 2020-2021
emple size (willions)	28.7	19.0	12.4	16.0	35.8	13.3	-	-
latt seves, all ages	3.6	17	3.6	3.7	1.8	4.1	14	7.9
Note, of	3.9	A.0	42	4.0	4.8	4.2	8.6	5.0
Le .	3.8	2.8	2.8	73	6.8	6.7	-67	-15
13-14	10.8	18.9	10.6	12.7	10.2	9.9	- 14	-2.9
15-75		78	2.5	24	2.2	7.5	-13	-54
20-34	5.6	2.2	\$2	5.0	4.8	5.0	-11	43
25-29	4.0	- 41	41	-83	42	47	12	17.9
30-34	3.4	8.6	3.8	3.9	4.1	4.7	4.8	165
35-39	2.3	2.9	3.8	33	3.4	3.9	60	147
45-88	23	22	23	25	27	50	65	10
45-40	13	1.8	18	21	2.5	2.3	55	45
50-54	13	1.4	14	15	1.6	1.8	5.4	125
55-09	1.0	1.0	11	3.1	12	1.8	4.8	83
60-54	2.0	0.0	0.0	0.9	- 8.9	0.0	0.	0.



MBLE. Percentage of persons aged 5-84 pears with at loast one stimulant prescription (II), by sex, age group, calendar year, average armai partent change (2016-2020), and annual partent change (2026-2021) — MarketSan commercial databases, United States, 2016-2021

and the second second	1016	2643		1.000	2010	1874	Average annual % change.* 2016-2020	Annual Burbanes & Mills 1971
Fernalis, adl	3.2	3.3	2.3	2.4	1.6	4.1	1.0	13.9
5-9 :	2.0	3.0	25	3.5	1.5	29	-8.8	0.
10-14	4.5	-4.9	47	-68	4.8	52	0	83
15-19	5.5	. 52	4.9	5.1	3.5	6.1	0.1	16.1
20-24	54	3.2	\$2	53	6.1	62	-64	16.2
2-2	42	44	44	-45	4.6	54	23	124
30-24	15	2.8	2.9	4.1	4.4	6.1	5.9	15.8
35-39	3.3	3.4	5.5	37	4.0	47	68	17.5
40-44	2.8	3.1	11	3.1	-15	40	4.0	101
45-49	2.8	28	2.9	5.8	3.2	35	53	2.4
ND-54	2.5	22	32	2.6	-2.6	29	45	16.0
35-09	3.8	1.7	1.7.	10	1.0	20	4.4	53
60-64	12	1.1	12	14	1.4	15	42	21





Initial Assessment

• Why Now?

- Is their history in agreement with:
 Medical Record
 PMP
- Are they interested in symptom reduction or just medication



Symptoms of ADHD

nattention

Hyperactivity

Impulsivity

Symptoms of ADHD Inattention





Symptoms of ADHD Inattention

- Organizing tasks and activities and managing time
- Engaging in tasks that require sustained attention
- Losing things such as keys, wallets, and phones
- Being easily distracted by unrelated thoughts or stimuli
- Being forgetful in daily activities, such as paying bills, keeping appointments, or returning calls

Symptoms of ADHD Hyperactivity and Impulsivity

- Esperiming minute recleance, difficulty ching sills released periods, and/or sensing alters on with series and/or
- big out in more with interactivity
- Talking monotonly
- Assuring quantizes ladore they are as led a
- Netrophiloully willing on the two, such as when welling in li
- intercepting or intradingunations





Medical Examination

- · Focused on ruling out other causes
 - Medical Conditions
 - Substances

Medical Causes of ADHD Symptoms Thyroid dysfunction

Major Depressive Disorder

Bipolar Disorder

Anemia

Substances that Impair Attention

- Any depressant
- Stimulants in certain situations
- Common offenders:
 - Marijuana
 - Opioids
 - Benzodiazepines

Psychological Evaluation

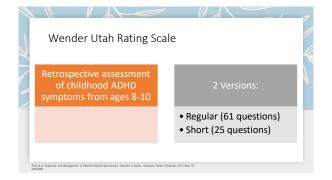
 May include assessments or testing

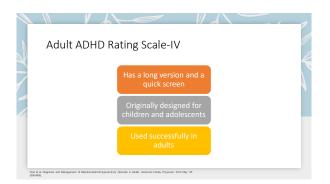
- Examines:
 - Cognitive abilities
 - Attention
 - Executive functioning



	Rating Scales	
	Childhood Symptom Scale	
	Wender Utah Rating Scale	
-	Adult ADHD Rating Scale-IV	
	Brown Attention-Deficit Disorder Rating Scale and Diagnostic Form	
	Connors Adult ADHD Rating Scales	
	Current Symptoms Scale by Barkley and Murphy	
	Wender-Reimherr Adult Attention-Deficit Disorder Scale	



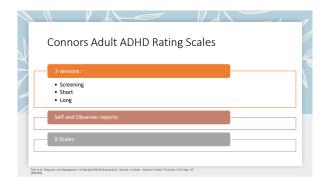




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Brown Attention-Deficit Disorder Rating Scale and Diagnostic Form
Aik dod: - Okici hitoy - Enri ya choding - Family hatary - Pipejach heath - Pipejach - Pipejach
Also gathers data from observer/significant other
40 questions
Focuses mostly on inattention

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Connors Adult ADHD Rating Scales

- Allows for ADHD by DSM IV Criteria and by measuring emotional lability
- Good interrater reliability between self report and physician rating



Current Symptoms Scale by Barkley and Murphy

 Self report scale of 18 symptoms corresponding to DSM IV criteria



Measures severity of symptoms using Utah criteria

Useful to assess mood lability symptoms

Post et al. Diagnosis and Management of Attention-Deficit/Hyperactivity Disorder in Adults. American Family Physician: 2012 May; 85 (850-856).

Collateral Information Helpful to have supporting information from the individual that has it

Very important to ask for specific metrics

What do you notice most?"

onsider asking them to keep track

Diagnostic Criteria

All of the symptoms are considered for riteria

As a general rule, you should assign a symptom to only one criteria of one mental condition

i.e. Trouble concentrating can be MDD, GAD, or ADHD

 Assign the symptom to the condition that you think is contributing to it the most.

Adult ADHD

- ADHD is a disorder that begins in childhood
- Adults with ADHD experience symptoms prior to the age of 12
- Must have 5 symptoms
- Must be present in two or more settings



Differential Diagnosis

Mental Conditions	
• MDD • GAD • PTSD • Personality Disorder	
Medical Conditions	
Malingering/Nefarious causes	



Stimulants

Treatment

+

Non-stimulants

Antidepressants

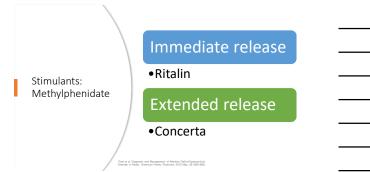
Beaman's Rules of Medicine 1. Patients should not die because they go to the doctor

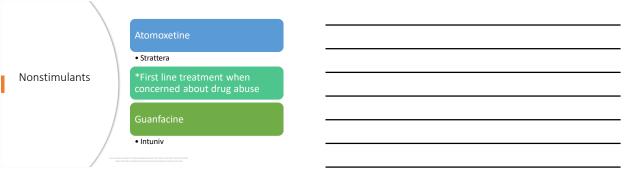
2. Patients should not become addicted because they went to the doctor

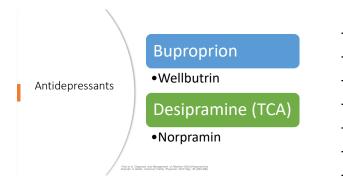
Stimulants: Amphetamines

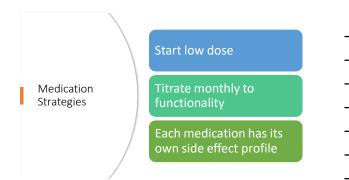
	nmediate release extroamphetamine/amphetamine (Adderall)
	xtended release extroamphetamine/amphetamine (Adderall XR
Li	sdexamfetamine (Vyvanse)

Post et al. Disposis and Management of Atentice-Deficibilityperactivity Disorder in Adults. American Pamily Physician: 2012 May; 85 (890-896).













	Urine Drug Screens
	РМР
Monitoring	Pill Counts
	Refill timing
	Behavior

Drug Testing

- Screening
 Immunoassay
 Lots of false positives
- Mass Spectroscopy
 Confirmatory
 Relatively no alternative explanation for a substance to be present



Urine Drug Screens

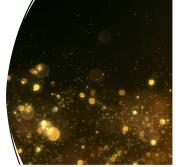
- Should be done at first visit
- Should be done frequently in the beginning of treatment
- Should be done routinely after
- · All patients tested the same



Abnormal Urine Drug Screens

 Inconsistent Positive
 Positive for something it should not be

 Inconsistent Negative
 Negative for something it should be positive for



Inconsistent Positive

- Have to acknowledge and have to do something
- Ask yourself how the substance can be contributing to the symptoms
- Are you abiding by the Hippocratic Oath



Inconsistent Positive Options • More frequent monitoring • Discontinuation of medication • Referral to substance treatment

Inconsistent Negative

Huge Red Flag

- Should consider immediate cessation
- You cannot knowingly contribute to diversion



Prescription Monitoring Program

- Should be checked at every visit
- Adherence to controlled substance contract
- Violations need to be addressed in the chart



[0]

Pill Counts

- Can verify adhering to prescription instructions
- Can be done at your office or at a local pharmacy
- Should be random but flexibility is important



Aberrant Behaviors

 Driving the conversation toward controlled substances

Demanding
 Certain medications

- Higher doses
- Refusal to participate in alternative treatment or diagnostics

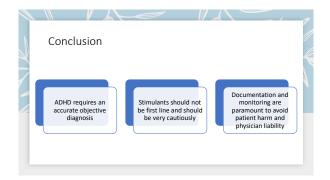
History of diversion



What about marijuana?

- Absolute no
- Marijuana causes inattention
- The appropriate first step is to stop the offending agent
- · Both are addicting and mind-altering





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