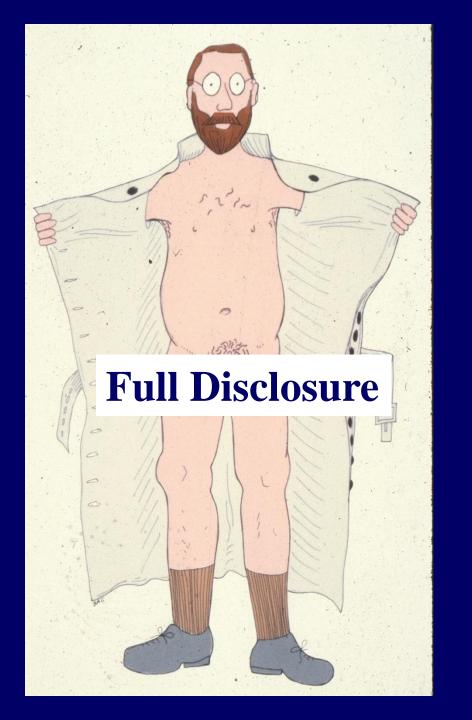
Mastering the Mysteries of Bipolar Disorder: Diagnosis and Evaluation

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(Stolen from me by John Greist)

Learning Objectives:

- 1. Appreciate the evolution of bipolar diagnosis from the first DSM to DSM-5
- 2. Become familiar with DSM-5 Bipolar Specifiers
- 3. Understand the Bipolar Spectrum concept
- 4. Recognize the complexities of bipolar comorbidities

- 1. The results of a survey of the general population found that the most common association with Bipolar Disorder was:
- A. Psychiatric illness
- B. Bad weather front
- C. Melting of polar ice caps

- 2. In what version of the DSMs did Bipolar Disorder replace Manic-Depressive Disorder?
- A. DSM-II
- B. DSM-III
- C. DSM-IV
- D. DSM-5

3. How many Bipolar Specifiers are in DSM-5?

A. 6

B. 8

C. 10

D. 12

E. 14

- 4. The most common Bipolar Disorder comorbidity is which of the following?
- A. Anxiety Disorders
- B. Migraine
- C. Major Depression
- D. Substance Abuse
- E. OCD

- 5. Concerns about the overdiagnosis of Bipolar Disorder in children led to the creation of which of the following diagnoses in DSM-5?
- A. Depression Protracted by hypomania
- B. Unspecified Bipolar and Related Disorder
- C. Illness Anxiety Disorder
- D. Disruptive Mood Dysregulation Disorder
- E. Unspecified Disruptive, Impulse-Control and Conduct Disorder

What is Bipolar Disorder German Telephone Survey (n=1006)

- Psychiatric illness
- Bad weather front
- Melting of polar ice caps

What is Bipolar Disorder German Telephone Survey (n=1006)

• Psychiatric illness

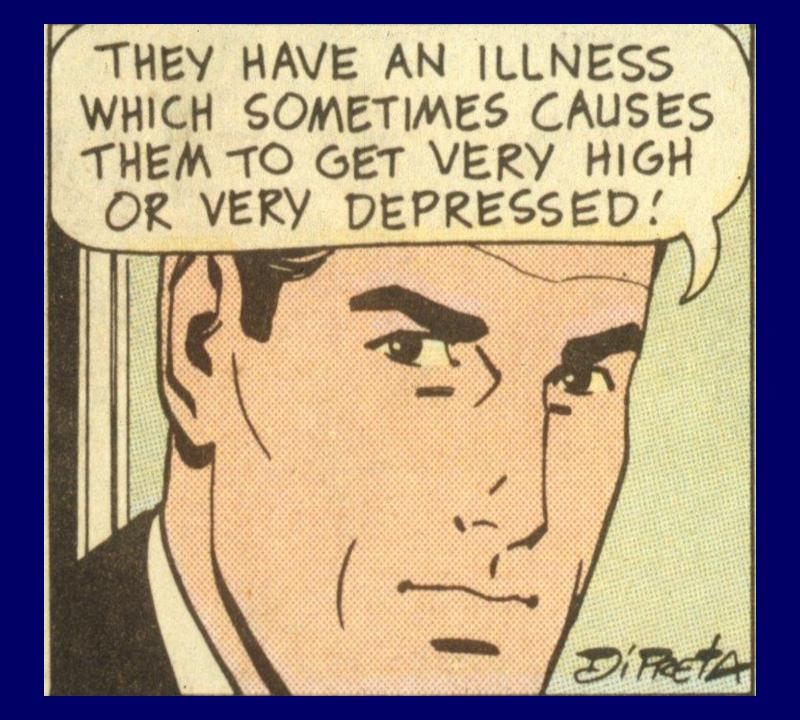
4.6%

Bad weather front

17%

Melting of polar ice caps

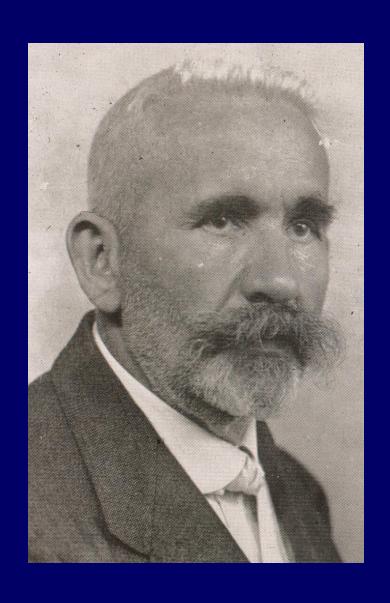
61%



"The history of psychiatric diagnosis has been notable for its confusion, reflected in the myriad of overlapping systems for classifying and subdividing depressive disorders."

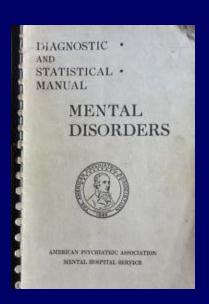


Goodwin and Jamison, 2nd ed. Manic-Depressive Illness, 2007, p 89



Emil Kraepelin (1856 - 1926)

Distinguished between manic-depressive illness and dementia praecox (schizophrenia)



Diagnostic and Statistical Manual of Mental Disorders (1952)

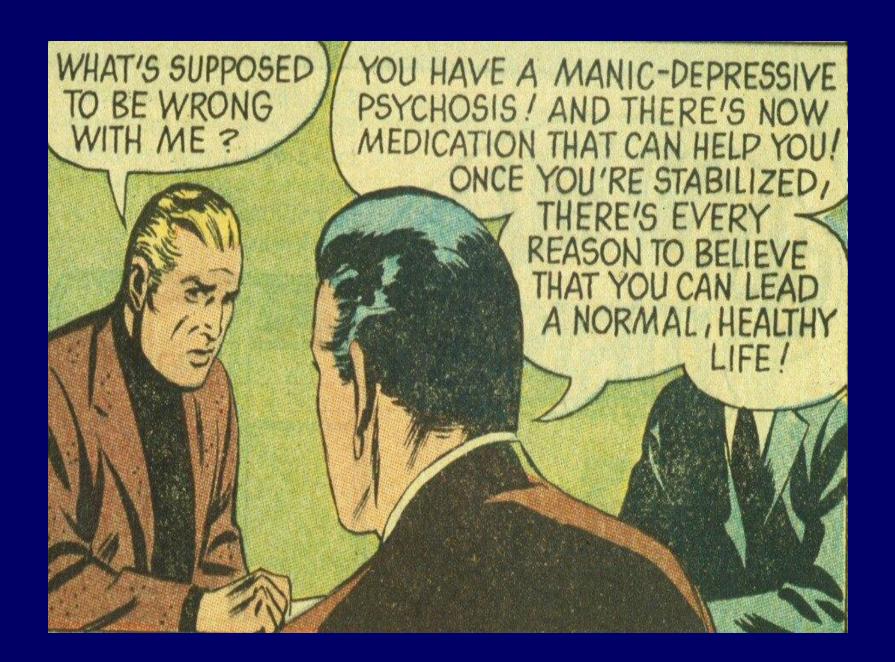
Manic-Depressive Reactions

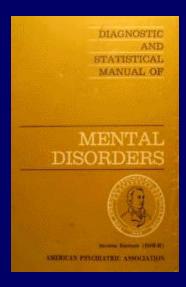
- Manic type
- Depressive type
- Other

EVEN A TRACE OF SCHIZOPHRENIA IS STILL SCHIZOPHRENIA

Nolan D.C. Lewis (1954)

The first practicing American psychoanalyst

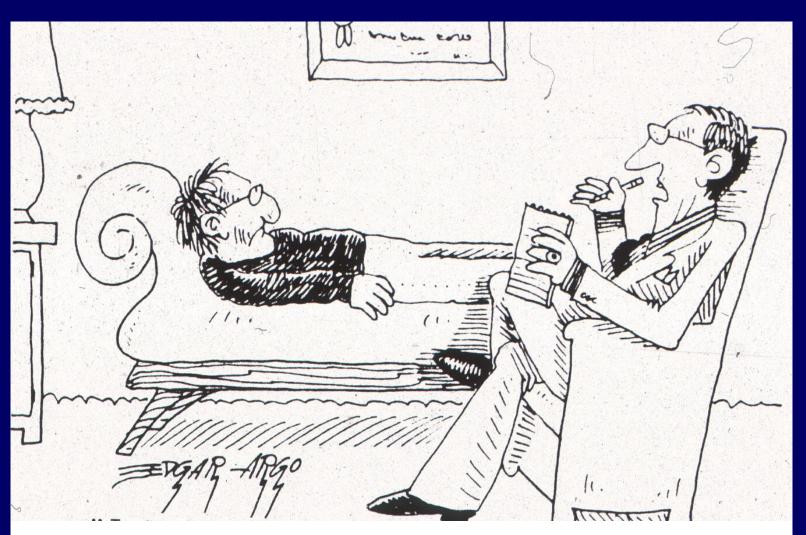




DSM-II (1968)

Affective Psychoses

- Involutional melancholia
- Manic-depressive psychoses
 - manic type
 - depressive type
 - circular type

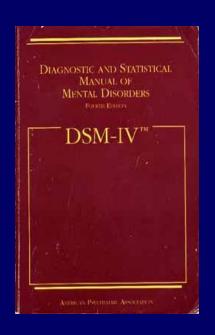


"I haven't exactly cured you, but sanity standards have changed a lot in the last 12 years"



DSM-III (1980)

- Separate categories for Bipolar and Major Depressive disorders
- Depressive neurosis became Dysthymic Disorder
- Cyclothymia became an affective disorder rather than a personality disorder



DSM-IV (1994) Bipolar Disorders

- Bipolar I Disorder
- Bipolar II Disorder
- Cyclothymic Disorder
- Bipolar Disorder NOS
 (Not Otherwise Specified)

I assume that all of you have mastered Bipolar Disorders in DSM-IV, but what about DSM-5?



Bipolar Disorders in DSM-5?



DSM-IV

DSM-5

Bipolar Disorders

Bipolar and Related Disorders

Pretty Much the Same in IV and 5

Bipolar I, Bipolar II
Cyclothymic Disorder
Due to General Medical Condition
Substance Induced

But what about Bipolar Disorder NOS??

Say Goodbye to NOS and Hello to:

 Other Specified Bipolar and Related Disorder

 Unspecified Bipolar and Related Disorder

Bipolar and Related Disorders: DSM-5

Other Specified Bipolar and Related Disorder

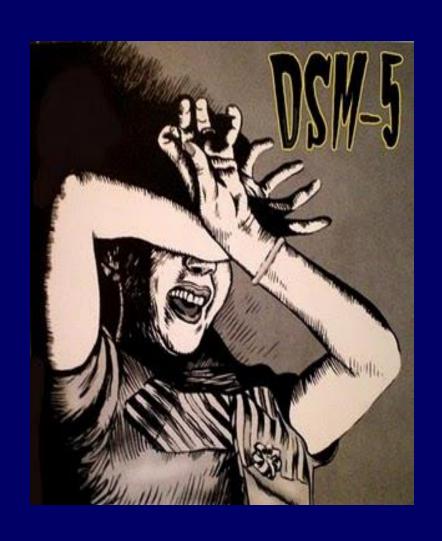
- Characteristic Bipolar symptoms that do not meet full diagnostic criteria
- eg. Short duration hypomanic episodes
- eg. Hypomania without MDE
- eg. Cyclothymia < 24 months
- Sounds like NOS (can we call it OSBaRD?)

Bipolar and Related Disorders: DSM-5

Unspecified Bipolar and Related Disorder

- Symptoms characteristic of Bipolar Disorder that do not meet full criteria, but "the clinician chooses *not* to specify" why criteria are not met.
- Also sounds like good old NOS (Can we call it UBaRD?)

Next Come Ten Specifiers



With anxious distress

- With anxious distress
- With mixed features

- With anxious distress
- With mixed features
- With rapid cycling

- With anxious distress
- With mixed features
- With rapid cycling
- With melancholic features

- With anxious distress
- With mixed features
- With rapid cycling
- With melancholic features
- With atypical features

- With anxious distress
- With mixed features
- With rapid cycling
- With melancholic features
- With atypical features
- With psychotic features

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- With psychotic features
- With catatonia

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- With mixed features
- With rapid cycling
- With melancholic features
- With atypical features
- With psychotic features
- With catatonia
- With seasonal pattern

Specifiers: Bipolar and Related Disorders

- With anxious distress
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- With atypical features
- With psychotic features
- With catatonia
- With seasonal pattern
- In partial or full remission

Specifiers: Bipolar and Related Disorders

- With anxious distress
- With mixed features
- With rapid cycling
- With melancholic features
- With atypical features
- With psychotic features
- With catatonia
- With seasonal pattern
- In partial or full remission
- Mild, Moderate or Severe

How do Bipolar and Depressive Disorder Specifiers Differ?

Specifiers

- Bipolar Disorder has Rapid Cycling, but lacks With Peripartum Onset
- Yet Bipolar Disorder can have Peripartum Onset and Depressive Disorders can have Rapid Cycling
- We need an NOS specifier

DIAGNOSTIC AND STATISTICAL MANUAL OF MENTAL DISORDERS

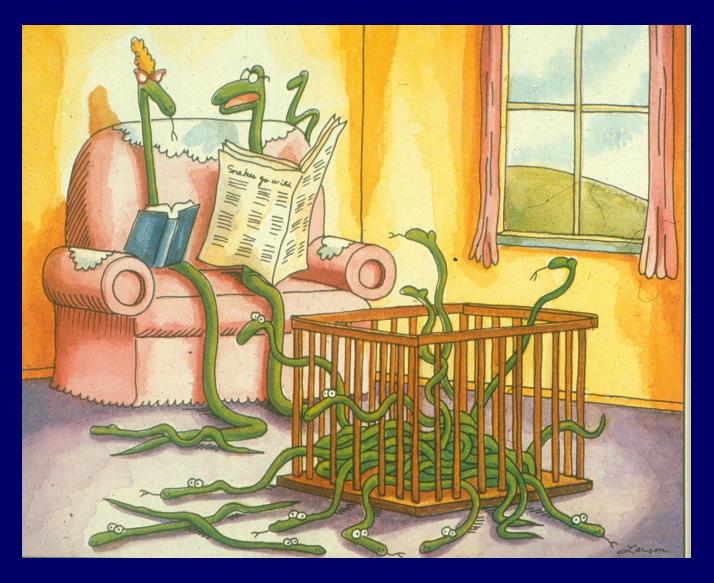
FIFTH EDITION

DSM-5

Open for all the gory details

AMERICAN PSYCHIATRIC ASSOCIATION

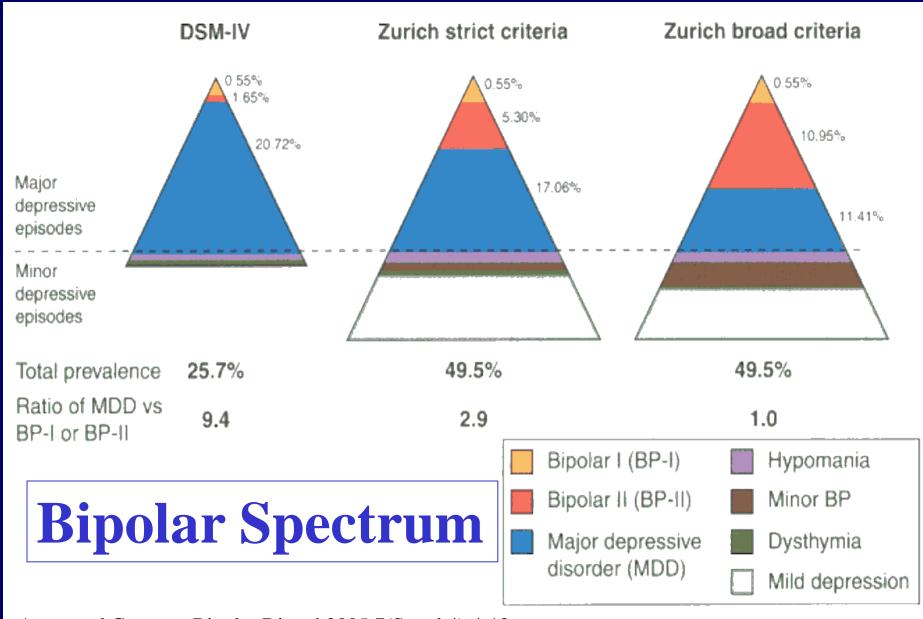
That was easy, now let's take a look at some real issues



"I tell you, a playpen is just plain worthless — what we need around here is a good cardboard box."

"Our data suggest that every depressive individual manifesting signs of hyperactivity, irritability, euphoria, or mood irritability could well be bipolar."

Angst and Gamma. Clin Approaches in Bipolar Disorders 1:10-14, 2002



Angst and Cassano. Bipolar Disord 2005;7(Suppl 4):4-12

Zurich Study Hypomania Criteria

• Strict
3 or more DSM-IV criteria
Minimum duration 1 day
Consequences

Broad
 2 or more DSM-IV criteria
 No minimum duration
 No consequences

Hagop Akiskal



The Bipolar Spectrum According to Akiskal

- Bipolar ½ Schizobipolar
- Bipolar I Manic-depressive illness
- Bipolar I ½ Depression, protracted hypomania
- Bipolar II Depression, discrete hypomania
- Bipolar II ½ Depression on cyclothymic temperament
- Bipolar III Depression, hypomania due to somatic Rx
- Bipolar III ½ Depression, mood swings, hypomania due to substance abuse
- Bipolar IV Depression on hyperthymic temperament
- Bipolar V Recurrent depressions (≥ 5 episodes)

Thursday, September 22, 1988, The Anchorage Times

Tyson suffers from 'manic depression'



The BIPOLAR SPECTRUM

Eventually, it may be easier to assume that everyone is bipolar, and then exclude the few who aren't



- Concerns about Bipolar Over-Diagnosis in Children Resulted in the Creation of Disruptive Mood **Dysregulation Disorder in DSM-5**
- "Everything we hear is an opinion, not a fact. Everything we see is a perspective, not the truth."

Marcus Aurelius (121-180 AD)

Subthreshold Bipolarity

• It is a risk factor for future bipolar disorder

Subthreshold Bipolarity

- It is a risk factor for future bipolar disorder
- But, if diagnostic criteria are broadened, false positives will exceed true positives

Subthreshold Bipolarity

- It <u>is</u> a risk factor for future bipolar disorder
- But, if diagnostic criteria are broadened, f alse positives will exceed true positives
- Resulting in inappropriate exposure to psychiatric drugs

Mood Disorder Questionnaire (MDQ)



- Bipolar screening7 of 13 yes/no questions
- Several at same time
- Moderate or serious problem
- Correctly identified
 7 of 10 with bipolar (sensitivity)
 9 of 10 without bipolar (specificity)

Predictive Value of the MDQ

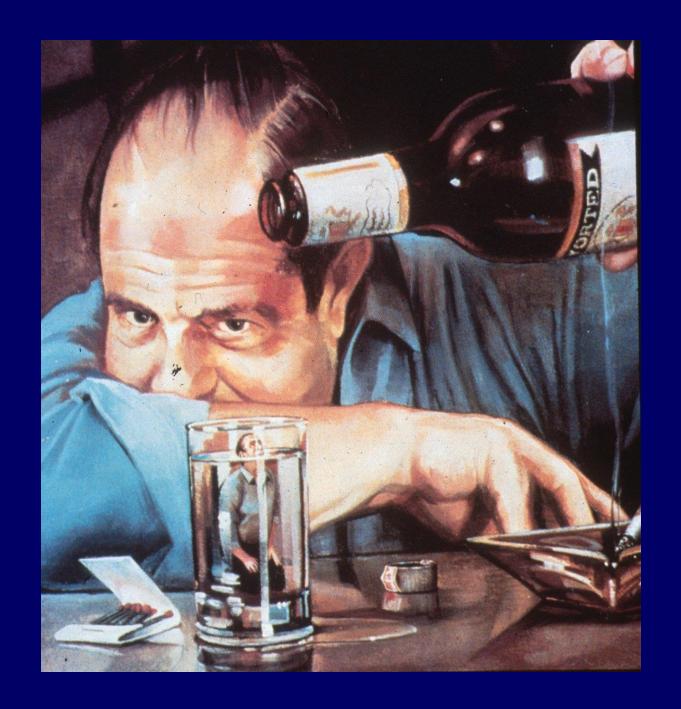
The positive predictive value of the MDQ in a community sample would be about 26% (about 3 of 4 false positives)

The negative predictive value, however, would be quite high (very few false negatives)

Zimmerman et al., J Clin Psychiatry 2004;65:605-610

Comorbidity Can Cause Diagnostic Confusion





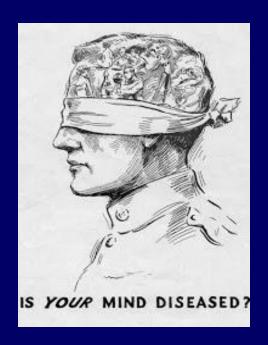
Bipolar Disorder Comorbidity

- Substance abuse: up to 60%1
- Anxiety: 42%²
- Social phobia: 18-40%¹
- OCD: 7.4-35.0%¹
- Eating disorders: 5%²
- Migraine: 8.6-44.0%^{3,4}

¹Cassano GB et al. (2000), J Affect Disord 59(suppl 1):S69-S79; ²McElroy SL et al. (2001), Am J Psychiatry 158(3):420-426; ³Fasmer OB (2001), Cephalalgia 21(9):894-899; ⁴Robbins L, Ludmer C (2000), Am J Pain Management 10(4):167-170

Where to From Here?

General paralysis of the insane (dementia paralytica, paresis) > 10% of mental hospital admissions until...



• 1913 - Noguchi and Moore found syphilitic spirochetes in the brains of paretics

• 1917 – Malaria treatment (pyrotherapy) by Wagner-Jauregg effective for general paresis

• 1927 – He gets the Nobel prize

Where to From Here in 2014?

The search for the etiology of bipolar disorder continues



• Herpes simplex and bipolar disorder are clinically episodic illnesses

- Herpes simplex and bipolar disorder are clinically episodic illnesses
- Lithium has antiviral activity

- Herpes simplex and bipolar disorder are clinically episodic illnesses
- Lithium has antiviral activity
- Lithium has antibipolar activity

- Herpes simplex and bipolar disorder are clinically episodic illnesses
- Lithium has antiviral activity
- Lithium has antibipolar activity
- Therefore, a virus causes bipolar disorder

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Post Test Answers

- 1- Ans: C (Melting of polar ice caps 64%, Bad weather front 17%, Psychiatric illness
- 4-6%)
- 2- Ans: B (DSM-III)
- 3- Ans: C (10)
- 4- Ans: D (Substance Abuse)
- 5- Ans: D (DMDD)

Where to From Here?

- The search for the bipolarity virus is underway
- Will neuroimaging unlock the door to diagnosis?
- At present, diagnosis by committee is the best we have

DIAGNOSTIC AND STATISTICAL MANUAL OF MENTAL DISORDERS

FIFTH EDITION

DSM-5

Open cover, read, and diagnose

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