

Disclosures

- Dr. Coplan is author of Making Sense of Autistic Spectrum Disorders: Create the brightest future for your child with the best treatment options (Bantam-Dell, 2010), and receives royalties on its sale
- This presentation will include a discussion of offlabel drug treatments



Outline

- 1) Statement of the Problem
 - 1) Compartmentalized Thinking
 - 2) "Us vs. Them": What I learned from Newtown part 1
- 2) Show me the data
 - 1) Intra-individual
 - 2) Intra-familial (with a glance at Family Mental Health)
 - 3) Basic Science
- 3) ASD, Mental Illness, and Violence
 - 1) What do the data show?
 - 2) Newtown Part 2
- 4) Where do we go from here?
 - 1) Individual & Family care
 - 2) System change

Outline

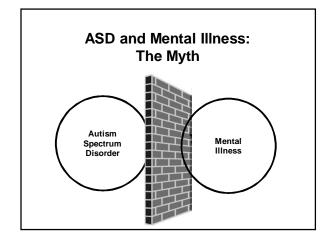
1)Statement of the Problem

1)Compartmentalized Thinking

2)"Us" vs. "Them" - What I learned from Newtown-Part 1

- 2) Show me the data
- 3) ASD, Mental Illness, and Violence
- 4) Where do we go from here?





The History of Science in 1 Slide

Description & Classification*

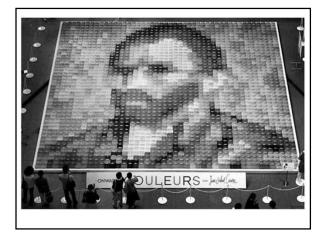
(Group items into categories, based on externally visible characteristics)



Analysis

(Explain & predict, based on an understanding of why and how things happen)

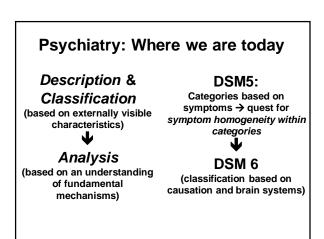
* Plato (428-328 BCE): "Carve Nature at its joints." We can't explain why or how things happen, but if we observe carefully, and group similar items into categories, eventually the big picture will emerge.

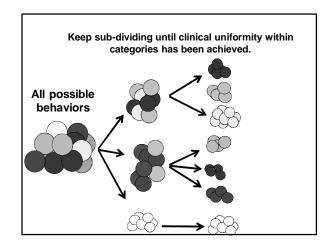


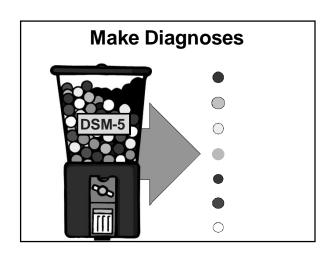
Problems with classification schemes based on appearance

- Different underlying mechanisms can produce similar-appearing results
- Similar underlying mechanism can produce different-appearing results





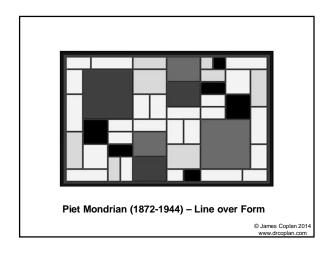


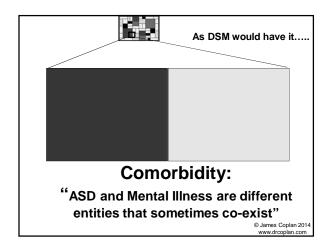


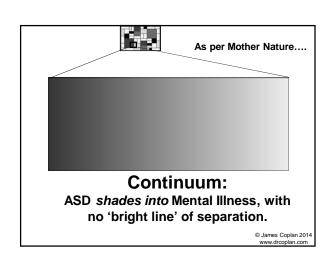


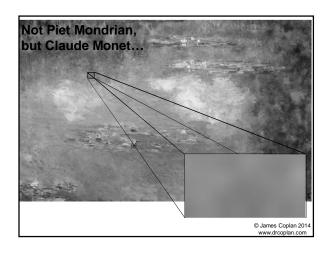
Comorbidity:

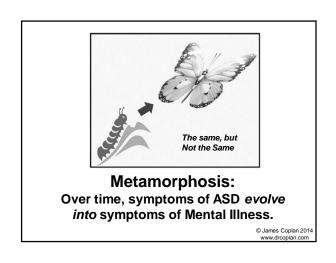
A, B, C.... etc. are completely different entities, that sometimes happen to co-exist.



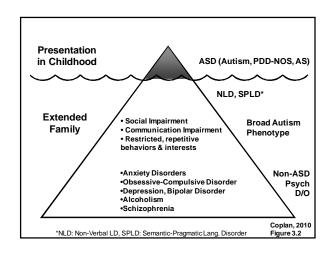


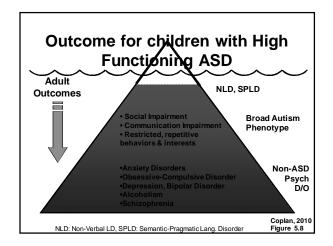


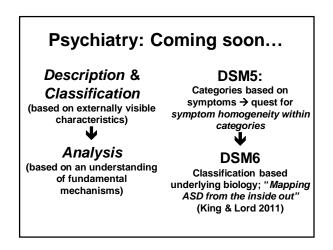


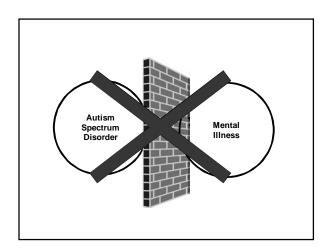


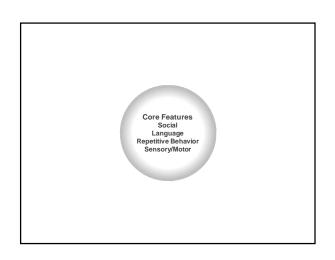
In the world of Metamorphosis... "Losing the diagnosis" does not mean "cured" • Persistence of - Cognitive patterns - Behavioral patterns - Emotional patterns • Emergence of Non-ASD psychiatric disorders - Anxiety - Depression - Mood Disorders - Schizophrenia

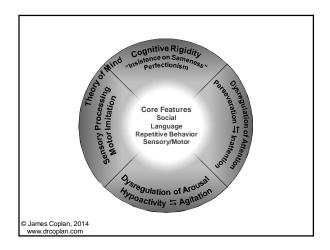


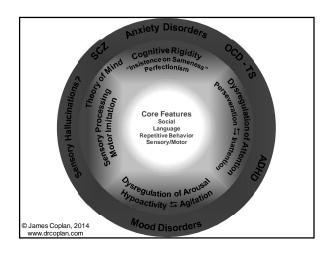


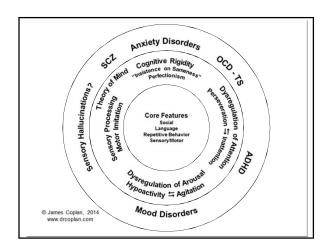




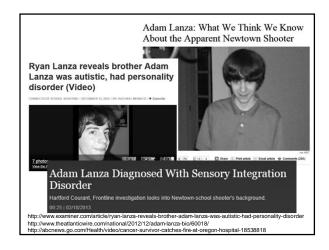


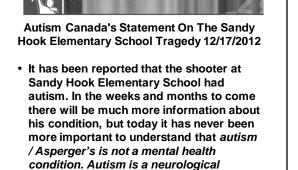






Outline 1)Statement of the Problem 1)Compartmentalized Thinking 2)"Us" vs. "Them" - What I learned from Newtown-Part 1 2) Show me the data 3) ASD, Mental Illness, and Violence-Newton 2 4) Where do we go from here?





AUTISM CANADA

condition....



ARI Statement on the Newtown, CT Tragedy

The staff at the Autism Research Institute is deeply saddened by yesterday's tragic events at Sandy Hook Elementary School in Newtown, Connecticut...

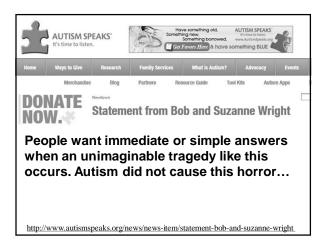
Some public comments have drawn potentially inaccurate and stigmatizing conclusions about a link between the diagnosis [of autism] and a propensity for violence and lack of empathy...

Autism is not a mental health disorder - it is a neurodevelopmental disorder...



Autism Society of America Statement 12/17/2012

- No evidence exists to link autism and premeditated violence...
- Individuals with autism who act aggressively typically do so because they are reacting to a situation...
- Many of the individuals with Asperger's syndrome who have committed crimes had co-existing psychiatric disorders...



We have a problem here...

(3 problems, actually)

- 1. There is no bright line between Autism Spectrum D/O and "Psychiatric" disorders
- 2. Shifting responsibility onto persons with "mental illness":
 - Stigmatizes the mentally ill, and
 - Ignores the mental health needs of persons with ASD



Outline

1) Statement of the Problem

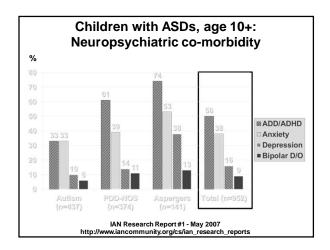
2)Show me the data

- a) Intra-individual
- b) Intra-familial (with a glance at Family Mental Health)
- c) Basic Science
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(a) Intra-Individual

- When co-morbidity approaches 100%, is it still "co"- morbidity?
 - Or is it an integral part of the disorder itself?

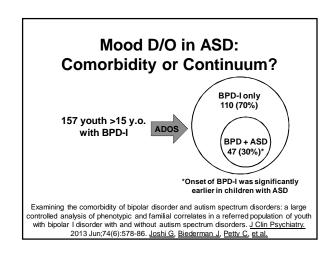


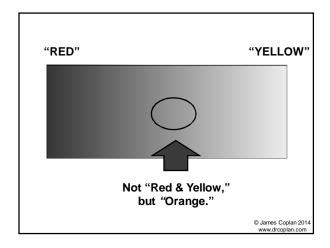
Psychiatric Symptom Impairment in Children with Autism Spectrum Disorders

Kaat, A.J., et al. Journal of Abnormal Child Psychology, 2013

- 115 pts w. ASD at University Hosp. Child Devel. Clinic
 - Age 6-12 yr; Male: 86 %; White: 91 %
 - Mean IQ: 85
 - ≥70: 91 (77%)
 - <70: 24 (23 %)
 - Spectrum Dx:
 - Autistic Disorder: 31 %
 - Asperger's Disorder: 19 %
 - PDD-NOS: 50%
- · Child and Adolescent Symptom Inventory-4R
 - Parent & teacher ratings

Children with Autism S Kaat, A.J., et al. Journal of Abnore				ue
Disorder	Prevalence (%)*			
Disoluei	Impairment**		DSM-IV criteria	
ADHD (any type)	83%		82%	
Oppositional defiant disorder	53%		34%	
Conduct disorder	23%		9%	
Anxiety disorders	70%		47%	
Generalized anxiety disorder	•	48%	•	32%
Social phobia	•	51%	•	23%
Major Depressive D/O, Dysthymia	45%		19%	
Manic episode	53%		18%	
Schizophrenia	48%		10%	
Any disorder	94%		84%	





ASD, Psychosis, and Schizophrenia (SCZ)

Psychosis

- Psychosis: A symptom of mental illness characterized by radical changes in personality, impaired functioning, and impaired reality testing (hallucinations / delusions).
- · Psychosis may appear as a symptom of
 - Mood d/o
 - Personality d/o
 - Schizophrenia
 - Schizophreniform d/o, Schizoaffective d/o, etc.
 - Psychotic disorders (Brief psychotic d/o, psychotic d/o due to a general medical condition, substance-induced psychotic d/o, etc.)

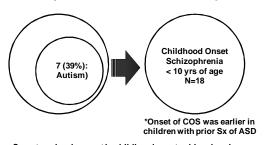
Schizophrenia

nttp://medical-dictionary.thefreedictionary.com/schizophreni

- A chronic psychotic disorder (or a group of disorders) marked by severely impaired thinking, emotions, and behaviors.
- Symptoms:
 - (+): Hallucinations, delusions, disorganized speech (loose associations); inappropriate, odd, or catatonic behavior

 - Cognitive: Impairment of attention, memory, planning (executive function), insight

Autism → Schizophrenia Comorbidity, Continuum, or Metamorphosis?



Symptom development in childhood onset schizophrenia Watkins JM, Asarnow RF, Tanguay PE. J Child Psychol Psychiatry. 1988 Nov;29(6):865-78 The association between early autistic traits and psychotic experiences in adolescence Jones, R.B., et al., Schizophr Res, 2012. 136(1-3): p. 164-189

55.155, 11.51, 51.41, 55.11.25p.11.11.05, 25.12.105(1.6), p. 16.1.105

 Avon Longitudinal Study of Parents and Children (ALSPAC) birth cohort

Birth cohort: N = 14,541 (1991-1992)



12 yr old eval: 6,439

The association between early autistic traits and psychotic experiences in adolescence

Jones, R.B., et al., Schizophr Res, 2012. 136(1-3): p. 164-189

Questions at age 7:

- Speech development
- How they got on with others (social interaction problems)
- Odd rituals or unusual habits that were hard to interrupt Questions at age 12: Any of the following in past 6 mo?
- · Hallucinations (visual, auditory)
- Delusions (being spied on, persecution, thoughts being read, reference, control, grandiose ability, other)
- Thought interference (thought broadcasting, insertion and withdrawal)

The association between early autistic traits and psychotic experiences in adolescence Jones, R.B., et al., Schizophr Res, 2012. 136(1-3): p. 164-189

- "Childhood autistic traits, particularly speech problems and odd rituals or unusual habits, are associated with psychotic experiences in adolescence.
- This may be a result of a shared aetiology or because autistic traits may also be an early precursor of psychotic experience"

"Is Schizophrenia on the Autism Spectrum?"

King & Lord, 2011

 "Schizotypal Personality" is distinguished by "unusual preoccupations, unusual perceptual experiences, odd thinking and speech (e.g., overelaborate, or stereotyped), inappropriate or constricted affect, behavior or appearance that is odd, eccentric, or peculiar; lack of close friends or confidants other than first-degree relatives, and social anxiety..."

"Is Schizophrenia on the Autism Spectrum?"

King & Lord, 2011

 "What arguably distinguishes schizophrenia spectrum from autism spectrum in two individuals who otherwise share all of these symptoms is the presence of paranoid ideation...

"Is Schizophrenia on the Autism Spectrum?"

King & Lord, 2011

 "Given the degree of overlap, one might reasonably ask if paranoid thinking could be a logical downstream consequence of a common underlying difficulty in the perception of social communication"

Theory of Mind



www.drcoplan.com

Theory of Mind

- Realization that other people have an internal mental & emotional state, different from one's own
- Ability to gauge the internal mental & emotional state of others
 - Able to infer motives & predict behavior of others
 - Empathy
 - Humor

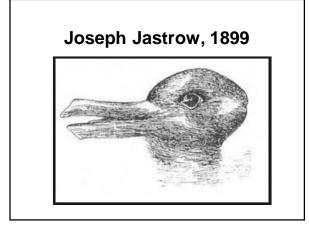
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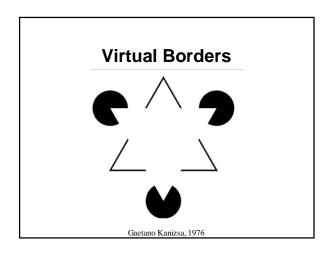
Central Coherence

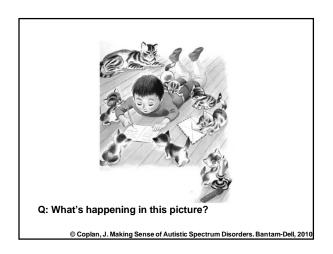
• The ability to see the big picture

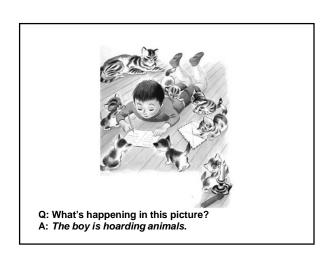


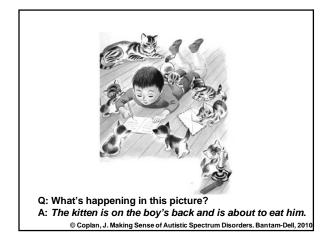
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Muff Muff is a little yellow kitten. She drinks milk. She sleeps on a chair. She does not like to get wet. Q: How would Muff feel, if you gave her a bath?

Tom & Central Coherence

Muff

Muff is a little yellow kitten.

She drinks milk.

She sleeps on a chair.

She does not like to get wet.

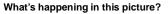
Q: How would Muff feel, if you gave her a bath?

A: Clean

A: I don't know. We haven't got to that part of

the story yet.







Two strangers got into the house and are handing out newspapers.





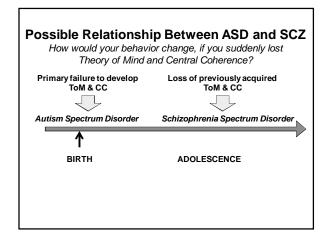
"They are stealing the children."



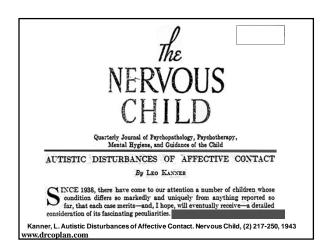
Q: How does the boy feel?

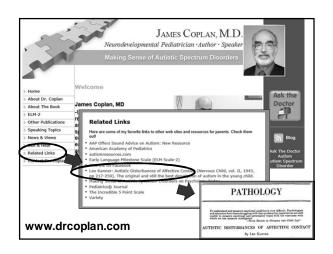


Q: How does the boy feel?
A: "I don't know, because I can't see his mouth."









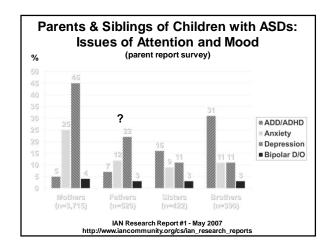
Kanner, 1943

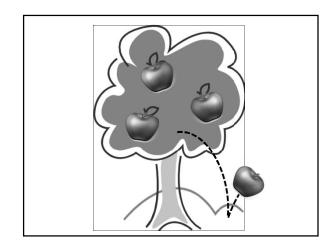
[T]here is a great deal of obsessiveness in the family background. The very detailed diaries and reports and the frequent remembrances, after several years, that the children had learned to recite twenty-five questions and answers of the Presbyterian Catechism, to sing thirty-seven nursery songs, or to discriminate between eighteen symphonies, furnish a telling illustration of parental obsessiveness.

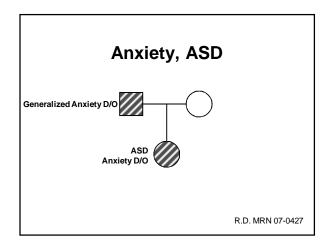
Kanner, 1943

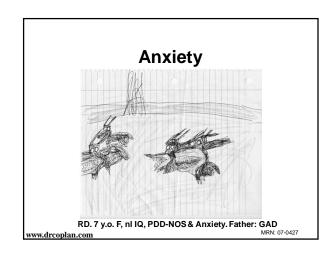
The child's aloneness from the beginning of life makes it difficult to attribute the whole picture exclusively to the type of early parental relations with our patient. We must, then, assume that these children have come into the world with innate inability to form the usual, biologically provided affective with people, just as other children come into the world with innate physical or intellectual handicaps.

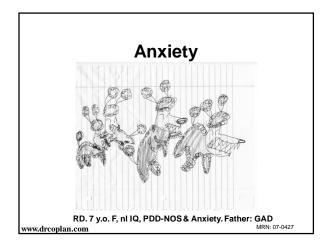
If this assumption is correct, a further study of our children may help to furnish concrete criteria regarding the still diffuse notions about constitutional components of emotional reactivity. For here we seem to have pure-culture examples of inborn autistic disturbances of affective contact. (italics in the original)

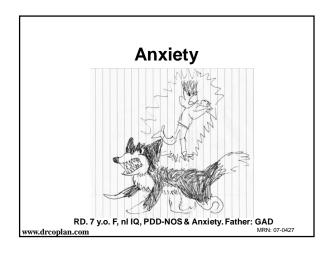


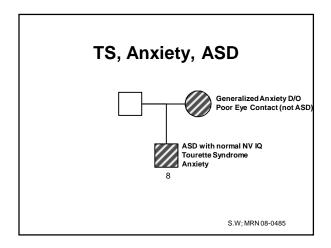


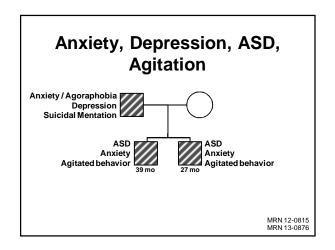


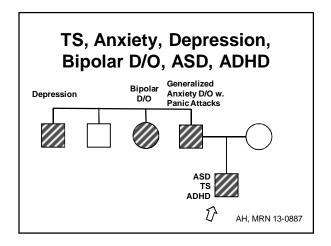


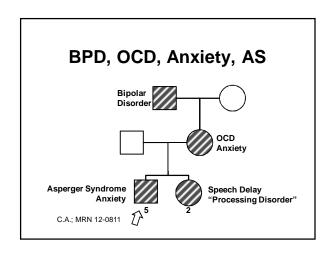












Severe mood problems in adolescents with autism spectrum disorder

Simonoff, E., et al., Journal of Child Psychology and Psychiatry, 2012. 53(11): p. 1157-116

- 91 adolescents w. ASD (M: 83)
- · Methods:
 - IQ, Adaptive function, neuropsych measures
 - "Severe Mood Problems (SMP) Scale"
 - Explosive rage
 - Low mood
 Depressive th
 - · Depressive thoughts
 - Labile mood
 - Maternal self-report (GHQ)
 - · maternal mood, anxiety and somatic difficulties

Severe mood problems in adolescents with autism spectrum disorder

Simonoff, E., et al., Journal of Child Psychology and Psychiatry, 2012. 53(11): p. 1157-116

Results

- High SMP: 24 (26%)
 - Predictors of High SMP:
 - Emotional & behavioral problems at age 12
 - Autism severity (by parent report)
 - Maternal GHQ: "The current analyses suggest a specific relationship between maternal affective symptoms and SMP in offspring"
 - Not predictors:
 - Full Scale IQ
 - Adaptive function

Bullying Experiences Among Children and Youth with Autism Spectrum Disorders.
Cappadocia, M.C., J.A. Weiss, and D. Pepler, JADD, 2011

Subjects

- 192 children / young adults w. ASD age 5–21
 - HFA (14%)
 - AS (54%)
 - PDD-NOS (13%)
 - Autism (19%)

Results

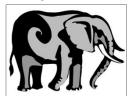
- Bullied (physical, verbal, social, cyber) within the past month: 77%
 - 1 time: 11%; 2-3 times: 23%; ≥ 4 times: 43%

Cappadocia, M.C., J.A. Weiss, and D. Pepler, Bullying Experiences Among Children and Youth with Autism Spectrum Disorders. JADD, 2011

Risk factors for being bullied	p*
Child - Gender	NS
Child - Age (being younger)	< .05
Child - Social skills deficit	NS
Child - Communication difficulties	< .05
Child - Internalizing mental health problems	< .001
Child - Externalizing mental health problems	NS NS
Parent - Mental health problems	< .01
Child - Fewer friends at school	< .05

*NS = Not statistically significant. Smaller p = less likely to occur by chance.

The Real Elephant in the Room



Child w. ASD (\pm MH D/O) + Parent w. MH D/O =



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Family Mental Health

("We give our children roots and wings" - Hodding Carter)

Family Mental Health is a key ingredient in outcome for all children, but especially for the child with developmental disability, who is less able to work around obstacles arising from family dysfunction than a child with normal development.

James Copian, 2013.

Signs of Family Mental Health

- Cognitive, Emotional, and Tactical Flexibility
 - Shifting alliances (adults vs. kids, "boys vs. girls," etc.)
 - Shifting roles (role of "hero" or "in the doghouse")
 - Shifting solutions (one size does not fit all; "equitable" vs. "equal")
 - Shifting combinations for activities. All legitimate combinations should come up once in a while.
- Sense of humor / playfulness / resilience

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Danger Signs

- Inflexibility
 - Fixed roles
 - Fixed solutions
- Hypervigilance
 - Lack of trust in care providers
- Social Isolation
 - "Circle the wagons"
 - "Nobody helps us!"

Vignette #1

- "Obedience is very important to me."
 - Father of 10 y.o. boy with ASD
 - Fa: Untreated anxiety d/o
 - Keeps unsecured firearms in the home
 - Describes son with ASD as "a predator," because "everything is all about him"

Vignette #2

- "Nobody helps us."
 - Mother of 14 y.o. boy with ASD
 - Mo.: Untreated Anxiety D/O
 - · Family has no social supports
 - Child is on homebound instruction
 - · Spends hrs/day playing violent video games
 - Threatens to "kill" the examiner during evaluation when E. interrupts game play

Family Function: Resources

- The American Association of Marriage and Family Therapy

 http://www.aamft.org/iMIS15/AAMFT/
- · The Bowen Center
- http://www.thebowencenter.org/

(c) - Basic Science

- ADHD
- ASD
- Bipolar D/O (BPD)
- Generalized Anxiety Disorder (GAD)
- Major Depressive D/O (MDD)
- Schizophrenia (SCZ)

Genetic relationship between five psychiatric disorders estimated from genome-wide SNPs Cross-Disorder Group of the Psychiatric Genomics Consortium

Nature Genetics: v. 45, pp 984–994(2013)

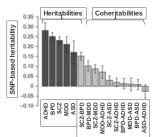


Fig. 1. Evidence for genome-wide pleiotropy between psychiatric d/o.

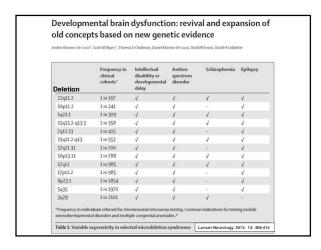
Two more terms

Pleiotropy: Similar genetic mechanisms >
 Different-appearing outcomes

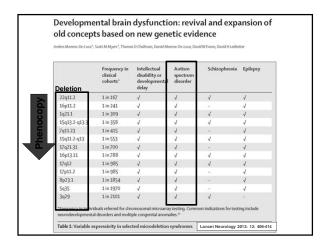


 Phenocopy: Different genetic mechanisms > Similar-appearing outcomes





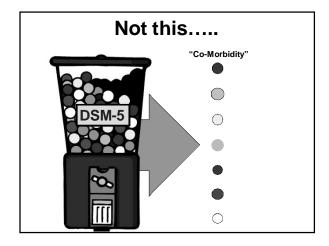
				d W Evans, David H Ledber	
Plei	otropy	Intellectual disability or developmental delay	Autism spectrum disorder	Schizophrenia	Epilepsy
22q11.2	1 in 167	1	1	4	√
16p11.2	1 in 241	√	1		√
1q21.1	1 in 309	4	1	1	1
15q13.2-q13.3	1 in 358	√	4	1	√
7q11.23	1 in 415	1	1	in the second	1
15q11.2-q13	1 in 553	4	1	1	1
17q21.31	1 in 700	4	1		1
16p13.11	1 in 788	√	√	1	1
17q12	1 in 985	1	1	1	1
17p11.2	1 in 985	1	√		√
8p23.1	1 in 1854	1	1	2.44	1
5935	1 in 1970	4	√	-	1
3q29	1 in 2101	1	1	1	10

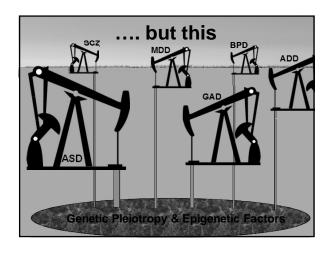


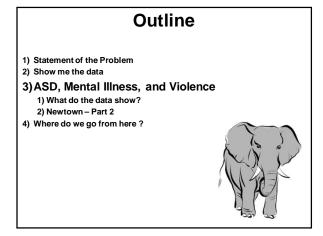
Revisiting the Relationship Between Autism and Schizophrenia: Toward an Integrated Neurobiology deLacy N. & King, B

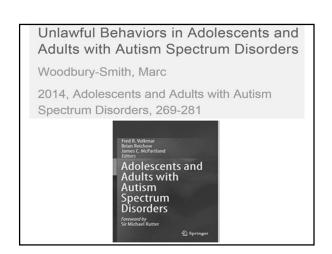
Ann Rev Clin Psychol Vol. 9: 555-587 March 2013

"There appears to be no question that a phenotypic continuum links the schizophrenia and autism spectra; moreover, it incorporates neuropsychiatric deficits associated with all of the classic neurodevelopmental disorders [ID...DD... ASD...ADHD, and SCZ]. Affected persons display some subset of symptoms from this neurodevelopmental superset, in individually varying phenotypes likely molded by pleiotropy, different types of genetic defects, and epigenetic mechanisms....[I]n "idiopathic" ASD and SCZ, an underlying genomic continuum has also been uncovered."



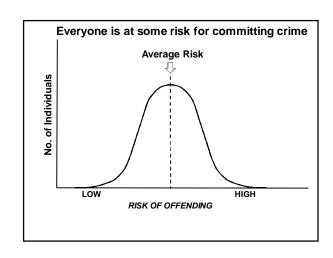


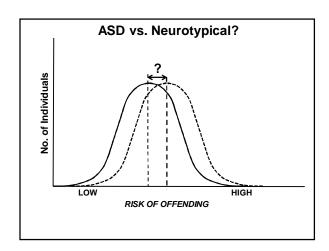


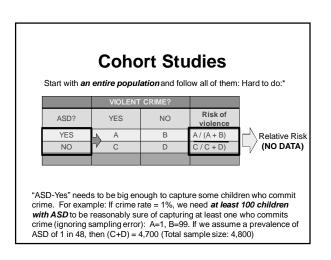


Woodbury-Smith 2014

- "There are...no epidemiological community studies of unlawful behavior in ASD
- Small sample size and bias in ascertainment...limit the extent to which [the available] data can be... extrapolated to the wider ... ASD population
- Nonetheless, these data do suggest that small numbers of adults with ASD may be predisposed to violent unlawful behavior."







Case Control Studies

Start with individuals who have already committed crime.

	VIOLENT				
ASD?	YES	NO			
YES	Α	В			
NO	С	D			
ODDS of having ASD	(A/C)	(b/d)			
	"Controls": Drawn from				
		non-criminal population (but not all of B and D)			

Odds Ratio: 'Convenience Samples' Clinical Criminal Justice

(A/C): ODDS that offender has ASD

(b/d): Odds that non-offender has ASD (A/C) / (b/d) = ODDS RATIO: Are the odds of having ASD increased among offenders compared to non-offenders?

Asperger's syndrome in forensic settings Murrie DC, Warren JI, and Kristiansson M Int J Forensic Ment Health 1:59–70, 2002

Case Series of adult males referred for forensic evaluation

Charges:

- Arson: 1 (serial fire-setting x 11 episodes)
- · Sexual assault: 4 · Attempted murder: 1

Asperger's syndrome in forensic settings Murrie DC, Warren JI, and Kristiansson M Int J Forensic Ment Health 1:59-70, 2002

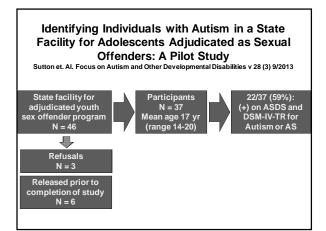
Common Themes

- Deficient Empathy: Each of the four men charged with a sex offense, as well as the man who attempted murder, seemed genuinely unaware of the harm they caused their victims. Likewise, the arsonist appeared untroubled that he destroyed property belonging to strangers, rather than to those against whom he sought revenge
- Interpersonal Naiveté: A naïve and often impoverished understanding of human relationships... leaves AS patients vulnerable to mistreatment by others (and) may lead them to seek interpersonal contact in misguided ways

Asperger's syndrome in forensic settings Murrie DC, Warren JI, and Kristiansson M Int J Forensic Ment Health 1:59–70, 2002

Common Themes

- Immediate Confession: This could reflect a variety of traits ranging from deficient shame, poor judgment, lack of experience, or an impaired appreciation of the social and legal consequences of a confession, to simple forthrightness, rule-abiding behavior or honesty.
- Sexual Frustration: social impairments combined with a desire for attachment or sexual experience could lead to illegal behavior...The use of pornography was one socially tolerated ways by which several of the men in our sample pursued an impersonal sexual outlet....



Woodbury-Smith 2014

"A small yet significant number of primarily higher functioning people with ASD will engage in unlawful behavior. The etiology of their behavior may be understood as arising from a combination of generic forensic risk factors along with factors more specific to the autism phenotype. To most appropriately inform rehabilitation,* a comprehensive assessment will consider all of these factors."

* and primary prevention! jc

Generic Childhood Risk Factors for Adult Criminality

Reavis 2013

- · Parental substance abuse
- Parental Mental Illness
- · Parental criminal behavior
- Loss of parent (foster care; parental death or divorce)
- · Witness domestic violence
- Childhood abuse (physical, sexual, psychological)

60:00

Factors specific to autism phenotype....

Lorna Wing

7 October 1928 - 6 June 2014



"Asperger Syndrome" - 1981

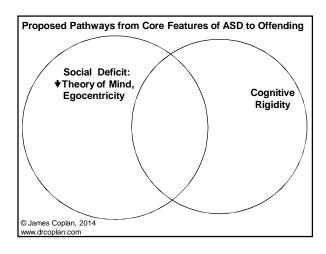
Image © Tina Norris, www.tinanorris.co.uk

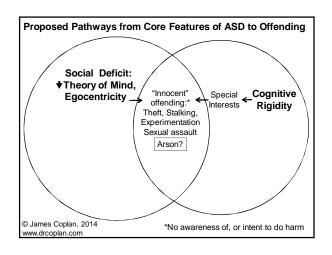
Factors specific to autism phenotype....

Wing 1997

(Wing, L. Asperger's syndrome: Management requires diagnosis. Journal of Forensic Psychiatry, 8(2), 253-257)

- Assumption that own needs supersede all other considerations
- · Lack of awareness of wrongdoing
- Intellectual interest (Asperger: "Autistic acts of malice")
- Pursuit of "special" interests (objects, people)
- · Hostility towards family
- Hyperarousal
- Vulnerability
- Cry for help
- Revenge





Social Skills Deficit + Cognitive Rigidity

"With his teachers, L. is defiant, argumentative and refuses to complete tasks. He manipulates all situations and has much difficulty with the teacher/pupil hierarchy. He is very comfortable telling adults what to do and why... He has great difficulty seeing the consequences of his actions and views punishment or consequences as personal attacks...."

9 y.o. boy with superior IQ & AS



Gary McKinnon is a Scottish systems administrator and hacker who was accused in 2002 of perpetrating the "biggest military computer hack of all time," although McKinnon himself – who has a diagnosis of Asperger's Syndrome – states that he was merely looking for evidence of free energy suppression and a cover-up of UFO activity and other technologies potentially useful to the public.

On 16 October 2012, after a series of legal proceedings in Britain, Home Secretary Theresa May withdrew her extradition order to the United States.

http://en.wikipedia.org/wiki/Gary_McKinnon

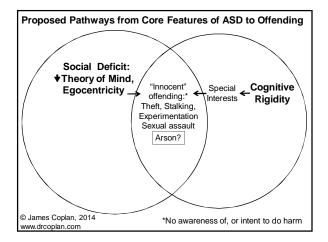
Education and Training in Autism and Developmental Disabilities, 2014, 49(1), 102–110

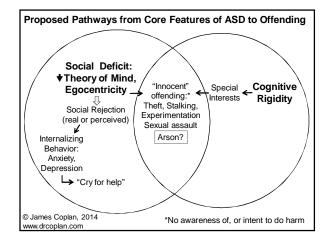
© Division on Autism and Developmental Disabilities Post, M, Storey K, Haymes, L, et al

Stalking Behaviors by Individuals with Autism Spectrum Disorders in Employment Settings: Understanding Stalking Behavior and Developing Appropriate Supports

Characteristics of stalkers

- Unaware that the victim is not interested in them.
- 2. Have an obsessive personality.
- 3. Have above average intelligence.
- Don't have meaningful relationships outside of the one they are trying to establish.
- Don't have discomfort or anxiety about their stalking behavior.
- Not aware that their behaviors are hurting others.
- 7. May become violent. (Snow, 1998).





THE LANCET Psychiatry

Suicidal ideation and suicide plans or attempts in adults with Asperger's syndrome attending a specialist diagnostic clinic: a clinical cohort study 25 June 2014

Dr <u>Sarah Cassidy</u> Phū 8 国际。, <u>Paul Bradley</u> MRCPsych b<u>, Janine Robinson</u> DClinPsy b, <u>Carrie Allison</u> Phū 8, <u>Meghan McHusc</u>h BSc b, Prof <u>Simon Baron-Cohen</u> Phū 8 B

Subjects

- 374 adults newly diagnosed with Asperger Syndrome
 - Men: 256
 - Women: 118
- Mean age at Dx: 31.5 yr (range 17-67 yr)
- 87 (23%) in full-time education at the time of study Methods:
- Self-Report Questionnaire, lifetime experience of:
 - Suicidal thoughts
 - · Suicidal plans or attempts
 - Depression

http://www.thelancet.com/journals/lanpsy/article/PIIS2215-0366(14)70248-2/fulltext

THE LANCET Psychiatry

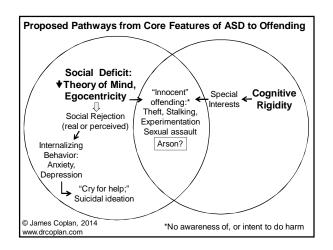
Suicidal ideation and suicide plans or attempts in adults with Asperger's syndrome attending a specialist diagnostic clinic: a clinical cohort study 25 June 2014

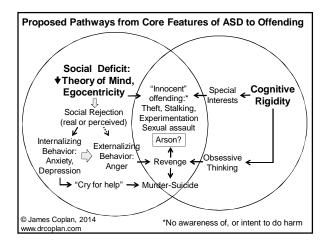
Dr Sarah Cassidy PhD à (Simon Baron-Cohon ShD à b.

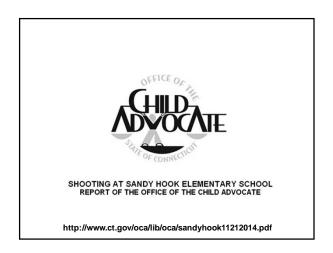
Results (98% response rate):

- · Suicidal ideation: 66%
- · Plans or attempts at suicide: 35%
- Depression: 31%
- Adults with AS were ~ 10x more likely to report lifetime experience of suicidal ideation than individuals from the general UK population (OR 9.6, p<0.0001), people with 1, 2, or more medical illnesses (p<0.0001), or people with psychotic illness (p=0.019)

http://www.thelancet.com/journals/lanpsy/article/PIIS2215-0366(14)70248-2/fulltext







Statutory Obligations and Authority of the Child Fatality Review Panel and the CT Office of the Child Advocate

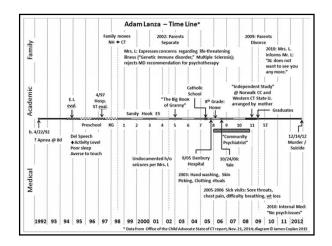
CFRP "shall review the circumstance of the death of a child placed in out-of-home care or whose death was due to unexpected or unexplained causes to facilitate development of prevention strategies to address identified trends and patterns of risk and to improve coordination of services for children and families in the state."

Records Reviewed

- AL:
 - Medical Records
 - Educational record
 - Emails, On-line materials (AL)
 - Police Interviews & evidence
- Mrs. L:
 - Medical records (partial)
 - Emails (partial)
- · Invited interviews
 - Mr. L
 - Former classmates, School personnel, Healthcare providers

Statutory Obligations and Authority of the Child Fatality Review Panel and the CT Office of the Child Advocate

Some information contained in this report may typically be considered confidential. OCA has deep respect for the laws and practice of confidentiality, but pursuant to Connecticut General Statute Sec. 46a-13k et seq., OCA has the authority to disclose confidential information where the interest of a child or the public is affected



Adam Lanza

- 0-3: Extremely active, poor sleeper, avoided touch, delayed speech; invented own language
- El Eval (~ 32 mo): "Fell well below expectations in socialpersonal development"
- Neurodevelopmental Eval (age 5)
 - Rituals; odd repetitive behavior
 - Sensory aversions (touch, texture)
 - SIB, Tantrums
- Danbury Hosp. (age 13); Yale Child Study Ctr (age 14): PDD-NOS, OCD, Anorexia
- · Progressive social isolation

Mrs. Lanza

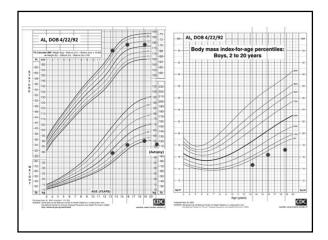
- "Frequently preoccupied with what she felt were her potentially serious and possibly terminal health issues" (Immune d/o; MS; normal exam & autopsy)
- Refused psychiatric treatment for herself
- Authors cannot conclude what may have been at the root of Mrs. Lanza's real or imagined health conditions.....A review of Mrs. Lanza's correspondence however...paints a picture of a woman who seemed preoccupied with anxieties, either about AL or herself. This is a dynamic that continues to be seen as AL moves through adolescence

Mrs. Lanza

- "A pattern of attempts to bend or manage the environment for AL"
- "I would like his emphasis to be on learning rather than coping"
- Rejects medical advice for medication and appropriate psychotherapy and academic placement for AL
- "A dynamic of mutual dependency" between Mrs. L and AL, accompanied by progressive isolation of AL from outside contact (school, Mr. L)

Care that did not follow best practices

- Primary Care
 - No f/u of weight loss
 - No f/u of OCD
- Psychiatric Care
 - Community psychiatrist: facilitated mother's agenda rather than treating AL
- · Educational services
 - Did not evaluate in timely or complete manner
 - Did not address Mental Health / Social issues



"Siloed Service Systems"

- Primary Care Pediatrician
- Yale Child Study Center
- Public Schools

Outline

- 1) Statement of the Problem
- 2) Show me the data
- 3) ASD, Mental Illness, and Violence

4)Where do we go from here?

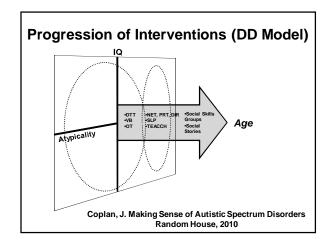
- 1)Individual & family care
- 2)Systems Change

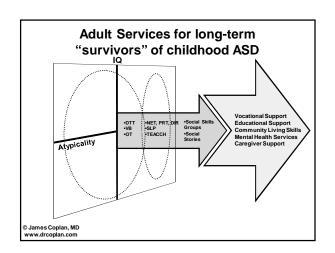


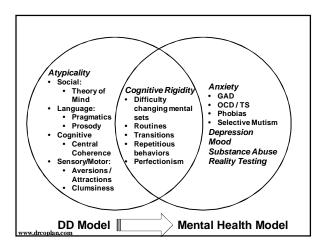
Individual Care

- Not "Co-Morbidity," but Continuum and Metamorphosis
- "Losing the diagnosis" does not = "cure"
- Shift from Developmental Disability model to Mental Health model
- Need for adult services

www.drcoplan.com







School-Based MH Services

- · Proactively monitor student mental health
 - Don't wait for academic failure or disruptive behavior
 - Positive Behavior Support for Internalizing Behavior
 - Embed MH services within schools?

Family Care

- Recognize that ascertaining a child with ASD means strong possibility that one or both parents have Mental Health issues and/or family dysfunction that need to be addressed
 - This may be the single biggest element of the problem available for intervention
 - Addressing this issue will take a lot of people out of their comfort zone

www.drcoplan.com

Systems Change

- ASD community needs to make common cause with MH community in advocating for child and adult MH services
 - Distinction between ASD and "psychiatric disorder" not scientifically tenable
 - Not financially viable
 - Not in the best interests of persons with ASD
- Barriers
- Hard to shift mental sets
- Fear, Stigma
- Institutional inertia / turf

