

Milestones	
3 mo	Social smile
6 mo	Sit up, babble & coo
9 mo	Stranger anxiety , pull-up & cruise, pincer grasp
12 mo	Walk, First Words
18 mo	15+ words
2 yrs	Parallel play/ 2 word phrases/ climb stairs (1 foot at a time)
3 yrs	3 word phrases , rides tricycle , draws triangle and ●
4 yrs	Draws ■ and +
5 yrs	Knows name & address/ hops & jumps/ counts to 10+

Neuropsych testing	
IQ tests	Verbal IQ = learned facts Performance IQ =visuo/motor skills
WAIS-III	IQ test for adults
WISC-V	IQ for age 5-15
WPPSI-R	IQ for pre-schoolers
Achievement tests	for school age
Woodcock - Johnson Psychoed Battery	reading, math, writing IDs learning disability
Wide Range Achievement WRAT-3	screens for deficits in academic skills
Vineland Adaptive Behavioral Scales	evals communication, living skills, social, & motor

Personality Tests	
Objective Tests	
MMPI	10 scales/ can detect malingering
Millon Clinical Multiaxial	"most helpful to confirm personality do"
Structured Assessments	
Beck Depression	brief screening in office
Hamilton Rating scale for depression	
Yale-Brown for OCD	Y-BOCs
Projective Tests	
Rorschach	ink blot
Thematic Apperception Test	shown pic & asked to describe scene
Word- Association	Jung, free association
Draw a Person	representation of self/ kids

Cognitive Tests	
Executive Fxning	
Wisconsin Card Sorting	abstract reasoning & flexibility cards sorted thru trial & error
Trail Making	concentration & executive fxning* connect letters & #s in sequence
Visuomotor	
Bender Gestalt	Copy designs w/ & w/o visualizing design
Receptive & Expressive Lang	
Token Test	comprehension of instructions, grammar & attention

Cognitive Tests (cont)		
Boston Naming	verbal confrontation & naming Alzheimer's vs depression	
Genetic		
Fragile X	FMR1	X-linked...3-5% of ASD pts
Angelman	15q11-q13 MATERNAL	"cocktail personality", hand-flapping, ataxia, seizures
Prader-Willi	15q11-q13 PATERNAL	overeating, OCD, hypothalamic insuff
Velocardofacial	22q11.2	genetic risk for SCZ
Rett syndrome	MECP	girls, regression, microcephaly, stereotypic hand movements, seizures
Huntington Dz	Autosomal Dominant	CAG repeats
FKBP5	trauma	glucocorticoid signaling
SERT/SLC6A4	Alzheimer, MDD, PTSD	serotonin transport
ApoE2	Alzheimer	
AKT1	MJ psychosis	

Risk/Devpt of Substance Use	
Imbalance in devpt...	
sub-cortical= bottoms up	reactive to stimuli/ curvilinear devpt
pre-frontal= top down	linear pattern of devpt
Thus, kid brains	vulnerable to reward properties of subs

PRITE topics

Reactive Attachment

Rapprochement

Bonding vs. Attachmen

Object Constancy

avoidant attachmet

parenting styles

permissive

devpt

gender identity-
age 3

parallel play

object permanence

peek-a-boo

preference for human

at birth

voice

social learning theory of
pssychosexual devpt

maternal
modeling &
behavior

strange situation

= maternal
attachment

secrets, collecting,
organized games

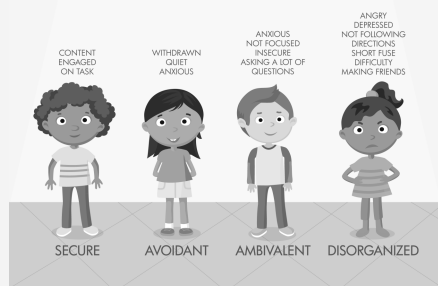
elementary age

Developmental Theories

Age	Piaget Cognitive	Freud	Erikson Psycho Social	Kohlberg Moral
0-2 years	Sensorimotor • Experiences world through senses and interactions • Last major sensorimotor stage	Birth • Mouth, sucking • Alone, isolated, no social contact	Oral - sensory Trust vs. Mistrust	First Level: Preconcrete • If child has trust, child believes that will believe children that are dishonest & will believe children that are honest & will believe children that are dishonest & will believe children that are honest
2-4 years	Preoperational • First use of language • Thought and speech • Ability to pretend	2 years • Genital • Exploration • Begins to parent	Autism - oral Shame, self-doubt vs. independence	Second Level: Concrete • If child has trust, child believes that will believe children that are dishonest & will believe children that are honest & will believe children that are dishonest & will believe children that are honest
4-7 years	Concrete Operational • Logical reasoning • Egocentric, unable to take other's point of view	4 years • Genital • Exploration • Begins to parent	Latency Industry vs. inferiority	Third Level: Postconcrete • If child has trust, child believes that will believe children that are dishonest & will believe children that are honest & will believe children that are dishonest & will believe children that are honest
7-12 years	Concrete Operational • Logical reasoning • Egocentric, unable to take other's point of view	7 years • Genital • Exploration • Begins to parent	Identity vs. identity confusion	Fourth Level: Postconcrete • If child has trust, child believes that will believe children that are dishonest & will believe children that are honest & will believe children that are dishonest & will believe children that are honest
12-18 years	Formal Operational • Abstract reasoning • Personal for mature moral reasoning • Can go beyond obedience to deal with the adult world	12 years • Genital • Exploration • Begins to parent	Intimacy vs. isolation Generativity vs. stagnation Ego integrity vs. despair	Fifth Level: Postconcrete • If child has trust, child believes that will believe children that are dishonest & will believe children that are honest & will believe children that are dishonest & will believe children that are honest

Attachment

CHILDHOOD ATTACHMENT STYLES



Attachment Theorists

Harry Harlow

1950s

Contact comfort research

infant monkeys preferred

cuddly surrogate to

wire w/ food

John Bowlby

1960s

Attachment=connection between 2
indiv overtime

secure base-caregiver is "home
base" to explore environment

Mary Ainsworth

1970s

"strange situation"

involves introducing stranger
to child/mom then observing

John Bowlby



Mary Ainsworth- attachment styles

Secure

Child distressed > composes
self

Anxious-
ambivalent

Distressed > unable to
compose

Anxious-
avoidant

Avoids parent > no distress
when they leave

Disorg-
anized

Lack of attachment behavior

Reactive Attachment Disorder

-1st presents under 5 yr

-child doesn't seek/respond to comfort

-unexplained irritability/sadness/fear

-limited positive affect

CAUSES

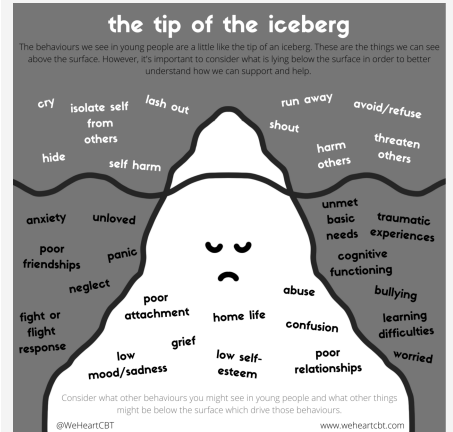
-Social neglect/deprivation

-Freq changes in caregivers (e.g. foster
care)

Reactive Attachment Disorder (cont)

-Care doesn't allow for primary attachment
(e.g. institutions w/ low caregiver:child ratio)

Anxiety



Anxiety

Separation, Generalized,
Selective Mutism

1) Psychotx x
12 wks

2) then
FLUOXETINE

Exposure-Based CBT

OCD in
kids/adol

PCIT=Parent-Child
Interactive Tx

-empirical
support for kids
w/ anxiety &
disruptive bx
-parent wears
earpiece while
tx observes/-
directs intera-
ctions w/ the
child

SCARED

Screening tool
for Child &
Anxiety Related
DO

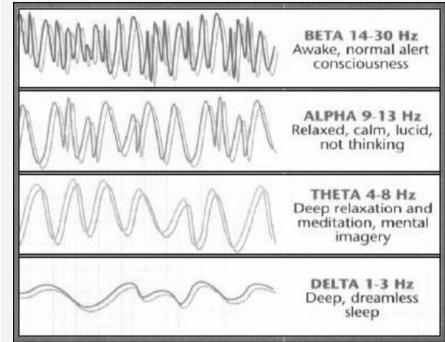
Tx'ing anxious parents= kids less anxious

Sleep EEG



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Page 2 of 4.



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EEG	
Spike & slow wave	Epileptogenic
High-amplitude slowing	Normal in kids
Global suppression	Encephalopathy

Neuro	
Upper motor lesion	BABINSKI, HYPERtonia, spastic
Lower motor lesions	Fasciculation/fibrillation, HYPOtonia,

ADHD	
Highly genetic	71-90% in mono/di-zygotic twin studies
Maternal smoking=risk factor	
Response inhibition	tempero-parietal & inf frontal
Pre-school	behav tx= 1st line
School-age	
Stimulant=1st line	consider EKG if family hx of cardiac
Hyperactive/-impulsive	Alpha Agonist
Inattention	Atomoxetine
Depression	Bupropion

Autism Spectrum Disorder	
Def in Social & Comm	+ Restricted, repetitive interests
	-hearing test
	-screen for Fragile-X

Tools to dx & screen:	
Autism Diagnostic Observation Scale	ADOS-2= gold standard for dx
CHAT- Checklist for Autism in Toddler	peds use for screening
Tx= ABA	Applied Behavioral Analysis

Autism Spectrum Disorder (cont)	
	considered gold standard
Social-Pragmatic Communication Disorder	= social & comm deficits w/o restricted interest

Bipolar DO in kids	
Same criteria as adults	1-2% prevalence
ADHD	50% co-morbidity
ASD	20% co-morbidity
Twin Studies	60-90% variance
Mania in high-risk off-spring	2-7%
FDA tx for BPAD	
Olanzapine	13+
Lithium	12+
Risperidone	10+
Aripiprazole	10+
Quetiapine	10+
TEAM (Tx of Early Age Mania Study)	
Atypical AP	68.5%
Divalproex	40%...but not FDA approved for mania in kids
Li response	35.6%

Disruptive Mood Dysregulation Disorder-DMDD	
Criteria:	severe temper outbursts
	3x/ wk 2/3 settings
	irritable/angry mood in between
	onset before 10 yo
Can't co-exist w/ ODD, Int Explosive or Bipolar	
Tx targets symptoms of aggression/irritability	

MDD in kids	
Same criteria as adults	May see more irritability, anger & somatic sx
Rating Scales:	PHQ-9, CES-DC, CDI
TADS (Tx of Adol Depression Study)	CBT+SSRI>CBT->SSRI
SSRI	Black box warning= re increased risk of SI
TORDIA (Tx of Res Dep in Adol)	failed 1st SSRI switched to 2nd SSRI vs Venlafaxine (VFL) vs CBT+SSRI vs CBT+VFL
TORDIA outcome	CBT+med= Best outcome 2nd SSRI=VFL VFL= increased SE
CBT+Interpersonal TX (IPT)	Best evidence from RCTs in adol
FDA black box SSRI/SNRIs	increased risk of SI in adol & young adults

