







OVERVIEW (NOTE EMPHASIS ON ADULTS)

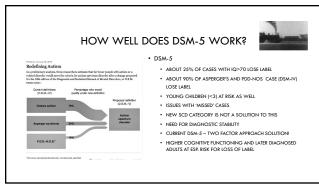
- BACKGROUND DEVELOPMENT OF CONCEPTS
- DIAGNOSTIC ISSUES & COMORBIDITY
- STATUS OF TREATMENT APPROACHES
- GAPS IN COVERAGE POTENTIAL FOR NEW MODELS
- SPECIFIC NEEDS AND LACK OF INFORMATION
- WHAT MIGHT BE SOME NEW MODELS OF DELIVERING CARE?
- NEW APPROACHES TO TRAINING !!!!!

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DIAGNOSTIC ISSUES ISSUES. WHERE DID THE DIMENSION. WORK ON SCHOOL AGE CHEDREN FROM? 25m- AND ICD NOR SHIFT ITISM RIEST RECO - POD. ATYPICAL POD VITH ICD-10) PCNAL FEED TRIAL, ABOUT 1000 CAS CATEGORES, COMEO MONOTHE 2 WAYS TO GET A DIAGNOSIS

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SOME PROBLEMS OF DIAGNOSIS IN ADULTS

MAY BE A TENDENCY TO UNDERDIAGNOSE WOMEN AND CERTAIN OTHER GROUPS
 voitukae, trai.r. pozi.r. <u>for performantality</u> app. 954-931.
 Missed DiagNosis CAN BE A PROBLEM FOR SOME ADULTS
 STUDY OF LARGE SAMPLE (667) COLLEGE STUDY USED 2 DIFFERENT APPROACHES
 round .rst (n=3) nature underworste Ado
 wintre, trai...(pozi). <u>Autimum</u> 516(e-837-92).
 CONVERSELY
 Some STUDY OF SAMPLE (62PM) OUTS OF EUTISM (ADTIMAL OUTSOME ASD)

- SOME STUDENTS MAY 'GROW OUT" OF AUTISM (OPTIMAL OUTCOME ASD)
- FEW, IT AL. 0 (2013). "<u>OURDAL OF CHED PSYCHOLOGY AND PSYCHUTYS</u>4(2): 155-263.
 SUTSTILL OFFER MAY SOME SIGN/FATURES OF THE CONDITION
 MOST IMPORTANTY SERVICES FOR ADULTS OFFEN LIMITED EXCEPT FOR THOSE (30% OR SO) WITH
 INTELLECTUAL DISABILITY!

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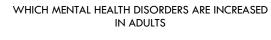
CO-MORBIDITY

DIFFERENT APPROACHES TO PROBLEM OF COMORBIDITY · DSM VS ICD

- DEFINITIONAL ISSUES, "DIAGNOSTIC
- OVERSHADOWING"
- NATURE OF AVAILABLE DATA

CASE REPORTS VS. CLINIC SERIES VS. REPRESENTATIVE SAMPLES

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- STRONG EVIDENCE FOR
- ANXIETY, DEPRESSION AND SUICIDALITY
- MODERATE EVIDENCE FOR
- GENDER ISSUES, SUBSTANCE ABUSE WEAKER EVIDENCE
 - EATING DISORDER, OCD, TS, BIPOLAR
- NOTE CHILDHOOD ONSET ATTENTIONAL ISSUES MAY PERSIST
- ALSO NOTE THINGS ARE INTER-RELATED
- NO JOB \rightarrow DEPRESSION \rightarrow OVEREATING & OBESITY \rightarrow MEDICAL COMPLICATIONS

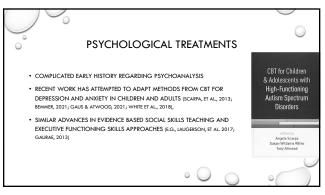
NOTE THE MANY (MANY) LIMITATIONS IN AVAILABLE DATA IN ADULTS: THE EVIDENCE BASE IS GROWING BUT REMAINS LIMITED

- FEW GOOD STUDIES BEFORE 2000 NONE WITH SAMPLES >100
- RECRUITMENT INTO STUDIES IS CHALLENGING
 MULTISITE STUDIES A NECESSITY
- STUDIES ARE TIME-CONSUMING AND COSTLY · FEDERAL FUNDING KEY: NIMH, NICHD
- · GENERALIZABILITY ISSUES:
- SOME (DRUG) STUDIES EASIEST TO DO IN ADULTS W IQ SCORES >70
- SOME SUGGESTION OF POTENTIAL AGE RELATED DRUG EFFECTS (E.G. SSRI)
 ISSUES WITH PSYCHOLOGICAL APPROACHES, E.G., CAN'T JUST GENERALIZE FROM CHILDREN

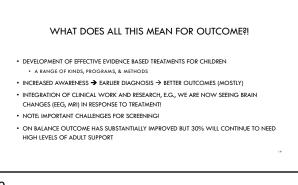
WE HAVE COMPARATIVELY MUCH LESS WORK ON ADULTS WITH ASD WITH POSSIBLE EXCEPTION OF PSYCHOPHARMACOLOGY

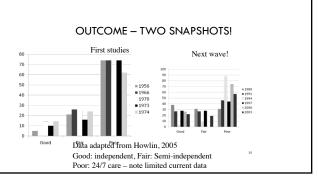
WHICH MEDICAL DISORDERS ARE INCREASED IN ADULTS?

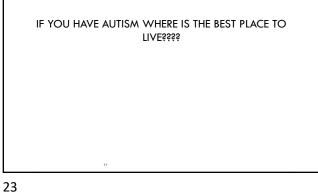
- A MAJOR CAVEAT!
- PROBABLY EPILEPSY (VOLKMAR AND NELSON, 1990)
- POSSIBLY PARKINSON'S (STARKSTEIN, ET AL. 2015)
- DRUG SIDE EFFECT ISSUES AND POLYPHARMACY (WHITNEY ET AL 2021)
- OBESITY, LACK OF EXERCISE AND RISK FOR HBP, TYPE 2 DIABETES, ETC. (MCCAY AND MORGAN 2020)
- SLEEP ISSUES (HALSTEAD, 2021)

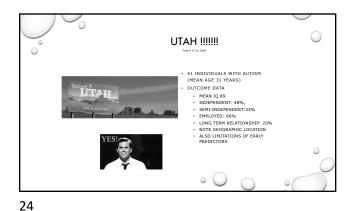














- OVERALL OUTCOME HAS CLEARLY IMPROVED (NOT JUST DUE TO CHANGES IN DIAGNOSTIC PRACTICE BUT SEEMS TO BE A REAL CHANGE)
- RATES OF ASSOCIATED INTELLECTUAL DISABILITY AND INABILITY TO COMMUNICATE VERBALLY HAVE MARKEDLY DECREASED
- MORE AND MORE STUDENTS GOING TO COLLEGE OR TRADE SCHOOL AND ENTERING WORK FORCE
- MORE AND MORE ADULTS SEEKING FRIENDSHIPS AND ROMANTIC RELATIONSHIPS





- ABOUT 30% OF INDIVIDUALS REMAIN SIGNIFICANTLY DISABLED WITH IQ<<70 AND LIMITATIONS IN DAILY LIFE SKILLS (VIVANTI 2019)
- AT AGE 18/21 YOU FALL OFF THE CLIFF IN TERMS OF ENTITLEMENTS AND SUPPORTS
- EVEN WITH A COLLEGE DEGREE ONLY ABOUT 50% WHO SEEK WORK GET IT AND THOSE WHO GET IT ARE PAID AT LEVELS MORE LIKE HIGH SCHOOL GRADUATES (SOLOMON, 2020)
- THIS IS IN STARK CONTRAST TO ALL OTHERS WITH DISABILITIES
- NO DATA AT ALL ON RELATIONSHIPS AND CHILDREN

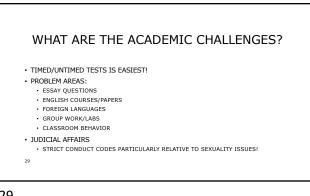


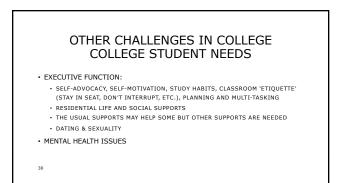
THE LESS GOOD NEWS: NEW CHALLENGES IN COLLEGE! HIGH SCHOOL VS. COLLEGE

- · CLASSES: 4 TO 5 HOURS A DAY VS. 4 TO 5 CLASSES A WEEK
- FREQUENT TESTS/HOMEWORK VS. OCCASIONAL EXAMS
- TEACHERS PROVIDE CONTENT VIA TEXTBOOK VS. EXPECTATIONS FOR STUDENT LEARNING
- MAX CLASS SIZE 25 TO 30 VS. UP TO SEVERAL HUNDRED
- ONE BUILDING (FOR 4 YEARS) VS. MANY BUILDINGS (FOR 4 YEARS)

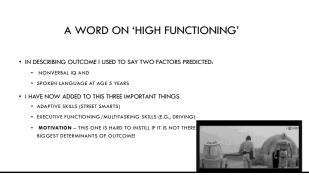
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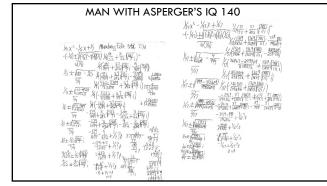
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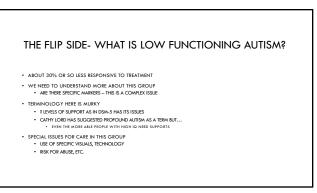








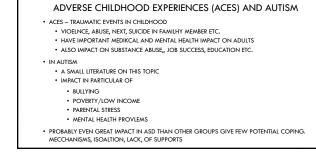




A FEW OTHER COMPLEXITIES FOR ADULTS

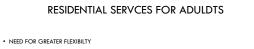
- · LEGAL ENTITLEMENTS TO SUPPORT
 - MOVE FROM IDEA TO ADA AS STUDENTS GRADUATE
 ADA DOES COVER WORKPLACE (AND COLLEGE) SUPPORTS
 BUT IS MUCH LESS EXPANSIVE THAN IDEA, SELF-IDENTIFICATION IS IMPORTANT
- BULLYING CAN CONTINUE TO BE A PROBLEM IN ADULTHOOD
 CYBERBULLYING IS A PROBLEM FOR MANY REASONS
 WORKPLACE BULLYING CAN BE A MAJOR PROBLEM (COVERED BY ADA)
- LEGAL ISSUES 7 FOLD INCREASE RISK OF LEGAL INVOLVEMENT
- DRIVING (AND LACK THEREOF) CAN BE A MAJOR VOCATIONAL PROBLEM! · HAVING A JOB IS A MAJOR DETERMINANT OF ADULT LIFE SATISFACTION!





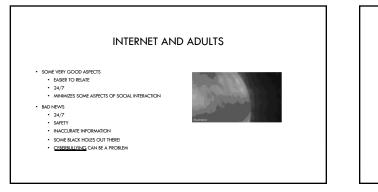






- INIVOLVEMENT OF PARENTS AND FAMILY AS WELL AS INDIVIDUALS
- · NEWW FOR NEW (SOMEITMES RETURN TO OLDO MODELS
- · ASKING PEOPLE FOR AUTISM WHAT THEY WANT
- SAFETY
- MINIMALLY INTRUSIE GOOD INTERNET

AS AN OVERLY SIMPLISTIC GENERALIZATION IT COSTS ABOUT \$250,000 A YEAR RIGHT NOW

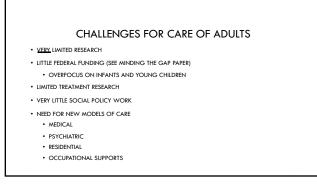


THE CORE SOCIAL PROBLEM IN AUTISM

AS YET NO SPECIFIC DRUG TREATMENTS

- ALTHOUGH SOME EFFORTS ARE UNDERWAY -
- PEOPLE ARE LOOKING INTO OXYTOCIN AND RELATED COMPOUNDS
- BACKGROUND WORK IN ANIMALS
- PROBLEMS WITH ADMINISTRATION AND
- . HOW DO YOU MONITOR BENEFITS?

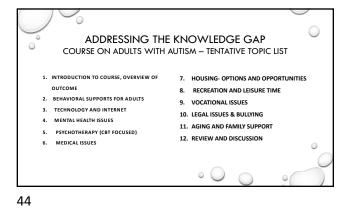
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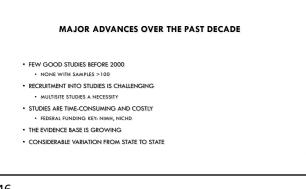
WHAT ARE SOME OF THE BEST STATES AND WHAT KINDS OF SERVICE ARE PROVIDED?

- · SOME OF THE BEST SATES INCLUDE COLORADO, NEW YORK, CONNECTICUR, MARYLAND, N CAROLINA, UTAH
- SERVICES PROVIDED MIGHT INCLUDE
 - VOC REHAB/OCCUPATIONAL SUPPORTS
- DAY PROGRAMS
 RESIDENTIAL PROGRAMS
 INDIVIDUAL THERAPIES (VARIOUS TYPES)
- · ISSUES HAVE TO DO WITH
- LOCATION (RURAL IS CHALLENGING), INTENSITY OF NEED, FAMILY SITUATION AND \$,
 STATE SPECIFIC ENTITLEMENTS AND LACK OF FLEXIBILITY

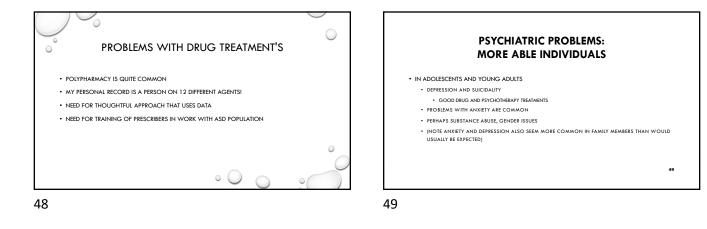




- HALOPERIDOL IN 1980
- NEW ATYPICAL NEUROLEPTICS
- STUDIES OF ANTI-DEPRESSANTS AND SSRI'S
- SOME NEW AGENTS IN DEVELOPMENT













RANGE OF SYNDROME, HALLMARKS OF SAME, APPROACH TO PATIENTS-E.G. GIVE EXTRA TIME, BE DELIBERATE, DON'T OVERWHELM ETC.

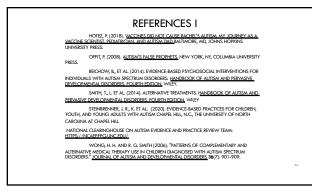
GUIDELINES TO CARE

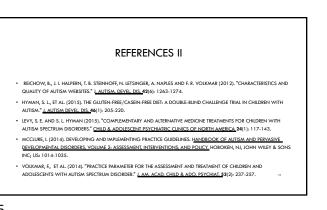
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- SEVERAL GOOD BOOKS AVAILABLE
 ALSO PRACTICE GUIDELINES, THE NICE GUIDELINES FOR ADULTS ESP. GOOD
 BOTH PSYCHOPHARM AND PSYCHOLOGICAL APPROACHES
- ISSUES RELEVANT TO INTERVENTION CURRICULA FOR SOCIAL SKILLS, DATA, AND SO FORTH
 SUPPORT FOR A RANGE OF LIVING ARRANGEMENTS
 AWARENESS OF LOCAL/STATE SERVICES

0 \bigcirc THE END!

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