



Evidence Based Practice— a multistep process for the practitioner

Identify, evaluate, select and
individualize effective Txs for a
particular client and context

Implement Txs with high fidelity

Continuous evaluation of the clinical
outcome

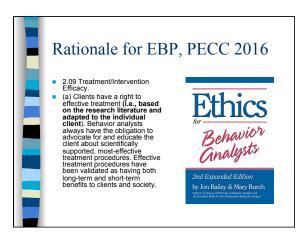
Detect failures and trouble shoot Txs

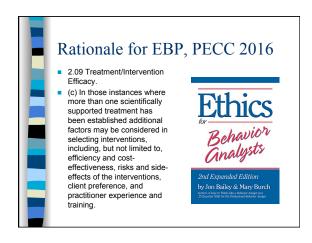
Rationale for EBP

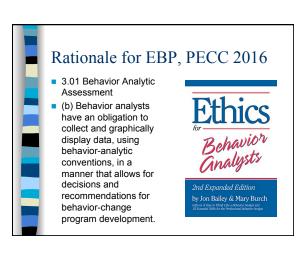
Improve clinical outcomes by incorporating empirical research into the decision making process— (the research to practice gap)

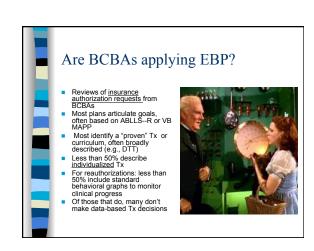
EBP rationale is persuasive to nearly every audience; promote ABA by analogy to EBP in medicine

Autism insurance mandates that stipulate "evidence-based treatment, including applied behavior analysis" (MI SB 414 & 415, 2012)









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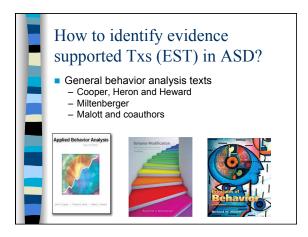
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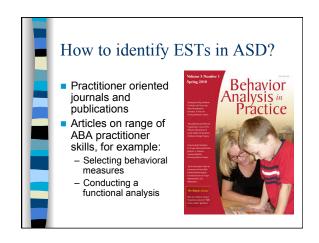
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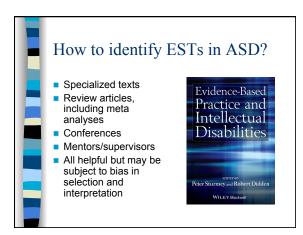
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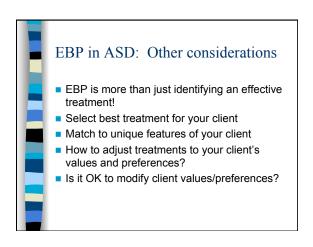










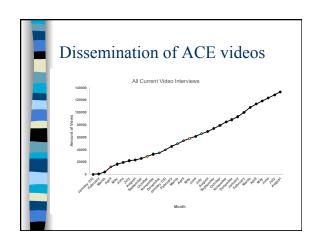




Client characteristics and values are most relevant when they: Impact acceptable goals and Txs? Which behaviors are valued/reinforced Which Txs are acceptable? Ask about and respect cultural, religious, ethnic influences Caution-- do not stereotype, focus on individualized treatment plans Limits on accepting client values Is it OK to "modify" client values? Is it OK to refuse treatment/service based on questionable client goals?



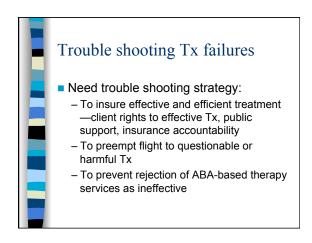


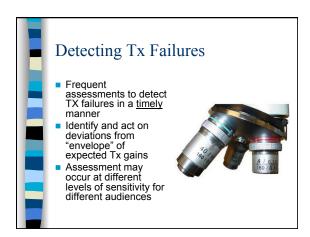


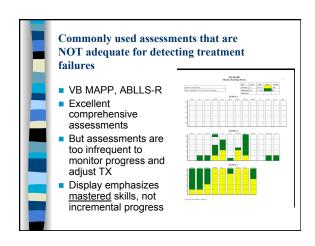


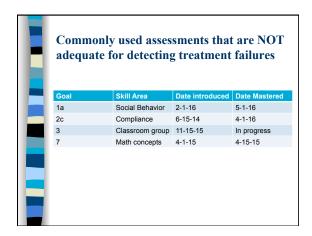


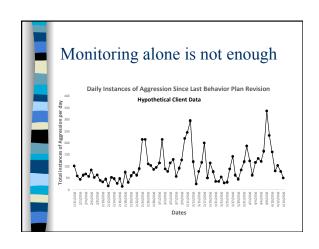
Treatment Failures: Prevalence? Prevalence of treatment failures???? Non responders, adverse responders: often buried in group averages in RCT (gold standard) research Tx failures seldom published in single subject research – failure to demonstrate experimental control = rejection We do not need a journal of treatment failures---but important to: Identifying limits of generality for "proven treatment" Identify the adjustments needed to make an ineffective treatment into an effective treatment

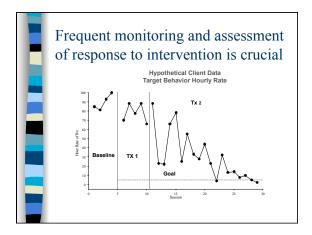








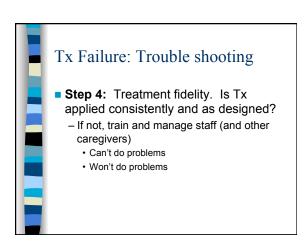


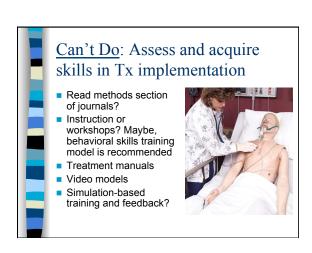


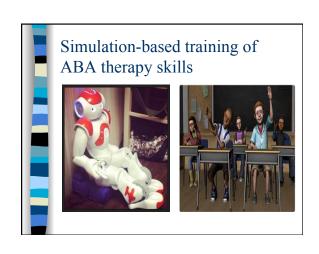
Given a Tx failure, suggested troubleshooting protocol Step 1: Are clinical/program progress measures adequate?

- Valid, sensitive and accurate measures of progress?
- Step 2: Is the criterion for judging treatment success "reasonable?
 - Normative versus exemplary benchmarks
 - If achieved, do goals have an impact on quality of life and other outcome variables; ecological validity

Tx Failure: Trouble shooting ■ Step 3: Are treatment goals within the "capability" of the client? Are they physically or developmentally possible? - Do they require training of prerequisite - Do you have limited opportunities to assess and train the goals?

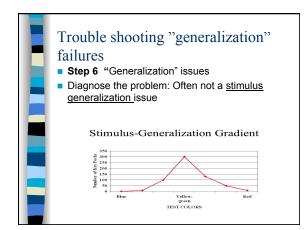


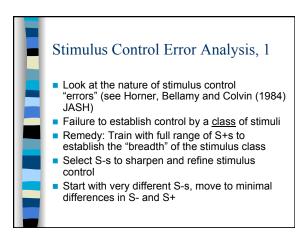




Won't Do: Staff monitoring and accountability Treatment fidelity issues BCBA supervision of RBTs Train and manage parents, teachers, siblings Develop treatment integrity checklist Identify and remove barriers to staff performance Accountability—emphasize positive consequences

Tx Failure: Trouble shooting Step 5: If treatment fidelity is OK, are reinforcers (and other behavioral variables) still effective? - Stimulus preference assessments— how often? - Developmental issues - Age appropriate reinforcers? - Transient issues that affect reinforcer efficacy - Motivational operations in place? Unauthorized sources of reinforcement? - Sources of interference? Meds, illness, sensory problems - Delivered in response contingent manner? (see Tx fidelity)

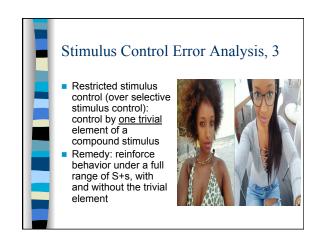




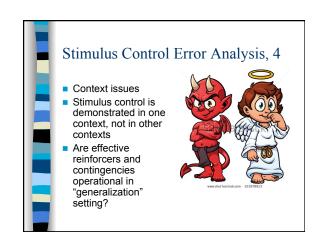


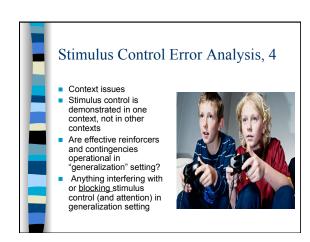












Stimulus Control Errors

Take a trouble shooting approach
Match your trouble shooting strategy to the nature of the problem
Train and refine the S+/S- discrimination
Rule out alternative sources of incorrect stimulus control
Remember: Discriminated behavior is "determined;" it will not persist without reinforcement

