Overview of Behavior Analysis: What On Earth is THAT?

Presented by Ken Winn Area Behavior Analyst SunCoast Region

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Some Terms

- BACB = Behavior Analysis Certification Board
- LRC = Local Review Committee
- PRC = Peer Review Committee
- APD = Agency for Persons with Disabilities
 Formerly Developmental Disabilities Program, (part of the Department of Children and Families)
 Formerly Part of Health and Rehabilitative Services (HRS)
- MAXIMUS = Prior Service authorization contractor
- APS = Prior Service authorization contractor
- Delmarva = Quality Assurance Monitor
- Mercer = established "fair and equitable" rate structure

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Behavior Analysts Do What? Assessments and interventions for complex and dangerous behaviors Technical assistance for providers, schools and so on Behavior management training and on-site support for caregivers/parents/staff

Behavior Analysts Help How?
Demonstrate and teach "tools" (behavioral techniques and strategies)
Provide professional practice for "tools"
Troubleshoot, coach, and provide on-site support



Baer, Wolf, & Risley (1968,1987)

- Applied
- Effective
- Analytic
- Conceptually Systematic
- Behavioral
- Generality
- Technological

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Teaching Replacement Behaviors

Problem behavior:

• Andy hits Patty and steals her frozen treat.

Replacement behavior:

- Andy _____ and waits for a frozen treat.
- Many problem behaviors are a result of limited ______ skills.

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Teaching Replacement Behaviors

More Examples:

- Seeking attention
- Requesting help
- Negotiating activity or task completion
- Requesting preferred materials or activities

Basic Behavior Principles

- Behavior is largely a product of the environment (read daily experiences).
- In the end, behavior responds better to positive consequences.
- It takes time for changes in the environment to change behavior.
- \succ Past behavior is the best predictor of future behavior.
- Consequences can either strengthen or weaken behavior. The only way to know the effects of a consequence is by what happens to the behavior in the future.

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Characteristic of Behavior Analysis

 Emphasis on analyzing and modifying <u>functional relationships</u> between:
 <u>Behavior</u> and the current <u>Environment</u>: (the Antecedents & Consequences)

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- Emphasis on analyzing and modifying <u>functional relationships</u> between <u>Behavior</u> and the current <u>Environment</u>: (the Antecedents & Consequences)
- NO emphasis on the distant past (may provide some useful info, but cannot be changed)

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Characteristic of Behavior Analysis

 Rejection of "underlying causes"

 circular explanations (can never be measured, manipulated, scientifically proven or disproven)

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REVIEWING THE DIFFERENCES:

- Reinforcement makes something stronger (or repeatable)
- Punishment makes something weaker (or to go away).









Miami Sunland

Abuse & neglect investigations:

- Abusive punishment practices
- Military-style disciplinary measures
- Deprivation, restraint, and seclusion
- Social isolation
- Aversive stimuli
- Public shaming/humiliation

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Miami Sunland (cont'd)

Changes:

- Media exposes & Investigations
- Dismissals
- Major changes in administrative policies
- Blue Ribbon Committee of Expert Behavior Analysts
- Behavior Management Regulations
- Florida Statutes and Rule 65B-4
- Better training requirements
- Certification of behavior analysts

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Foundations of Behavior Analysis in Florida Law

- F.S. Chapter 393
 - \succ Bill of Rights for the Developmentally Disabled
 - > Certification Program in Behavior Analysis
 - > Establish system of oversight
 > Establishes informed consent (including refusing treatment)
 - Medical Rule Out
 - No client shall be subjected to a treatment program to eliminate bizarre or unusual behaviors without first being examined by a physician who in his or her best judgment determines that such behaviors are not organically caused
 - Treatment programs involving the use of noxious or painful stimuli shall be prohibited
 - Restraints shall not be employed as punishment, for the convenience of staff, or as a substitute for a habilitative plan.
 Restraints shall not cause physical injury to the client and shall be designed to allow the greatest possible comfort

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F.A.C. 65B-4.023-4.031 (cont'd)

- Established guidelines for design, implementation and monitoring of behavior analysis Services
 > The "Ten Commandments"
 - Fine Ten Command
 - Monitoring plan
- Established process for approving behavior plans
 Restricted procedures
 - ➤ "Protected" Behaviors
- Established process for disciplinary action and grievance procedure for non-compliance

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Levels of Certification

- BCBA = Board Certified Behavior Analyst
- BCABA = Board Certified Associate Behavior Analyst
- FL-CBA = Florida Certified Behavior Analyst

Behavior Analyst "Levels"

Per Mercer Rate Matrix

- Level I = BCBA, FL-CBA/e, or Psychologist, LMHC or LCSW with more than 3 years experience post certification/licensure (regardless of having a Master's or Doctorate)
- Level II = BCBA, FL-CBA/e, or Psychologist, LMHC or LCSW with less than 3 years experience post certification (or FL-CBA with Masters or Doctorate, regardless of experience)
- Level III = BCABA FL-CABA or FL-CBA with bachelor's or high-school diploma regardless of experience

The "Others"

- Due to the exemption in F.S. Chapter 490 and 491, these professionals *may* provide Behavior analysis services under Florida law:
 - > Licensed Mental Health Counselors
 - ► Licensed Clinical Social Workers
 - ➤ Licensed Psychologists
- NOTE: only board certified analysts are governed by the board

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Critical Areas of Service

- Direct Service
- Residential Habilitation with a Behavior Focus
- Intensive Residential Habilitation
- Residential Habilitation for children in their home
- Behavior Services Assistant
- ADT 1:1

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Role of the LRC

- Determine if behavior services comply with Florida Law (not "approving" plans)
- Formalized by By-laws (approved by APD Senior Behavior Analyst)
- Oversight of behavior analysts in the district
- Includes sub-committees
- Overseen by LRC chair
- May provide technical assistance to provider as needed
- Comprised of leaders of behavior analysis in their district

LRC review is part of the approved monitoring plan in the methods behavior plan

BCBA	Any restricted procedure or procedures or any procedure to treat "protected" behaviors		
FL-CBA	 Time-out from reinforcement of 20 minutes or less. Contingent removal or restriction of potential reinforcers. Contingent effort of 10 minutes or less. Contingent manual restraint of five (5) minutes or less. 		
BCABA	Non-restricted procedures or procedures to treat non- "protected" behaviors		

When LRC is Required

Protected Behaviors:

- Self-inflicted, external or internal damage requiring medical attention (have or likely will).
- Life-threatening situation might result (excessive eating or drinking, vomiting, ruminating, eating non-nutritive substances – pica – refusing to eat, holding one's breath, swallowing air).
- External or internal damage to other persons (has or will occur), requiring medical attention.
- Major property damage/ destruction (has or will occur).
- Arrest and confinement by law enforcement personnel (have or will)

When LRC is Required

Restricted Procedures

- Presenting something to get rid of the behavior
- Removing something to get rid of the behavior
- Removing something to increase a behavior
- Satiation: Providing lots of something the person wants to get rid of the behavior (too much of a good thing)
 - Ex: Lots of attention given to reduce attention-seeking behavior
- Deprivation: Preventing access to something to get rid of the behavior
 - Ex. Removing attention to establish attention as a reinforcer 7/1/2010

Restricted Procedures

- Presenting something after the behavior in order to reduce that behavior (Type I Punishment) - e.g. School grades
- Taking something away after the behavior in order to reduce that behavior (Type II punishment) - e.g. "You can't go out with the rest of us since your bad, Sally"
- 3. Removing something after the behavior in order to increase that behavior (Negative Reinforcement) e.g. Ken and the police car
- Use of satiation and deprivation procedures giving some one a lot of something or taking it away for long periods of time

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Emergency Procedures

- Sometimes referred to as "reactive strategies"
- HRSM 160-4
 ✓ Appendix G
- Designed for "emergency" situations, not for programmatic use
- Use of an emergency procedure 3 or more times in a month requires a behavior plan be developed to address the behavior(s) for which the procedure was used
- Use of emergency procedure outside of these guidelines requires approval by the LRC chair/DBA
- Documentation Requirements
 - ➤Reactive Strategy Form
 - Daily reports and monthly summaries of the use of these procedures to District Administrator

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Types of emergency procedures

- Time out by Isolation
- Time out by Exclusion
- Mechanical Restraints
- Protective Equipment
- PRN medication (e.g. chemical restraints)

What is best practice in the use of these procedures?

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Things you should NEVER see:

- Physical punishment: hitting, paddling, pinching, pushing
- Use of painful or aversive substances to control behavior: pepper on tongue, squirt of lemon juice, electric shock, etc.
- Verbal abuse: cursing, using slurs or derogatory names, screaming
- Humiliation: forcing to wear a dunce cap, attempting to embarrass or ridicule, keeping in wet/soiled clothing.
- Placing clients in dark time out rooms, placing clients in locked time out without supervision

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Effective behavior analysts will:

- Interpret a presenting problem into environmental-behavior relationship
- Translate it into a relationship of the individual's behavior, current environment, history and the contingencies affecting the behavior
- Develop interventions that are *fluent* with respect to behavioral assessment
- Develop interventions that address the specific behaviors of concern
- Measure changes in the behavior

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Indicators that a person might need behavioral services

- [®]Frequent changes in residence or providers
- Several psychotropic medications or medications that might be indicated for behavioral control/aggression
- Diagnoses of schizophrenia, schizo-affective, psychosis, intermittent explosive disorder, obsessive-compulsive, personality disorder, anxiety disorders, borderline personality, etc.

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Indicators that a person might need behavioral services

- The problem is in the extreme nature of the behavior
- Some behaviors happen too frequently or in the wrong situations
- Some behaviors happen too infrequently or very sporadically
- Behaviors result in isolation, poor quality of life, trouble with others, loss of opportunities

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Indicators continued

- Hore than one baker act situation
- Property damage requiring restitution
- ${}^{\scriptscriptstyle{\textcircled{}}}{}^{\scriptscriptstyle{\atop{}}}{}^{\scriptscriptstyle{\textcircled{}}}{}^{\scriptscriptstyle{\atop{}}}{}^{\scriptscriptstyle{\\{}}}{}^{\scriptscriptstyle{\atop{}}}{}^{\scriptscriptstyle{\\{}}}{}^{\scriptscriptstyle{}}}{}^{\scriptscriptstyle{\\{}}}{}^{\scriptscriptstyle{}}}{}^{\scriptscriptstyle{\\{}}}{}^{\scriptscriptstyle{\\{}}}{}^{\scriptscriptstyle{\\{}}}{}$
- "O" "Chooses" to not participate in activities, ADT, NRSS- sleeps and watches TV, sits around
- ℃ Scars on face, head, hands

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Florida DS/HCBS behavioral services

- Behavioral Assessment
- Behavioral Therapy (individual intervention plan development, monitoring and training)
- Behavioral Services Assistant
- Residential Habilitation with Behavior Focus
- Intensive Behavioral Residential Habilitation

How can I know a person is getting quality services?



In The Records:

- □ Service need identified (generally) in Support Plan □ Assessment indicating causal events and skills
- present and needed Objectives for learning new skills as well as
- decreasing problems
 Local Review Committee review, referral, schedule for review, recommendations
- Plan has updates and changes if in place more than three months
- Documentation of monitoring of data, staff implementing, recipient's behavior

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In The Environment:

- Evidence of data collection in the moment
- Frequent positive interactions
- Staff interacting with recipients more than just directions
- Choice of activities, consequences, etc.
- Professional staff on the floor, familiar with schedule, recipients, staff

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A Gold Standard - Assessment

- Summarize and quantify the data and observations
- Analyze and develop hypotheses about the behavior
- Describe specific circumstances, not general statements of processes
- Questionnaires are not enough!

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A Gold Standard – Assessment (cont'd)

- Gives the whole picture of the individual and his/her environment
- Includes a brief social history and necessary medical information
- Checks the facts and be objective
- Includes "need to know information" be aware of privacy rights

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Questions for Behavioral Assessments

- > Under what circumstances do the problem behaviors occur?
- > Under what circumstances do the problem behaviors <u>not</u> occur?

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Questions for Behavioral Assessments

- What are the typical reactions of others to the behaviors? (beyond what is reported)
- What are the typical contingencies for the problem behaviors?
- What are the typical contingencies for desirable behaviors?

Questions for Behavioral Assessments

- Oo the persons' daily experiences provide more pleasurable, desirable contingencies or more aversive contingencies?
- What do "skilled" persons do in similar circumstances?
- What skills does the individual need to improve or develop or do more often to be more like the skilled individuals?

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A Gold Standard Behavior Intervention Plan

<u>Is like</u>:

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Instructions to building a finely tuned machine!





A Gold Standard Intervention Plan (cont'd)

- ✓ Has monitoring schedule for Local Behavioral Services Review Committee, behavior analyst, supervisor of staff etc.
- ✓ Is signed by behavior analyst designing and giving oversight
- ✓ Has description of competency based, performance validation training

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Major sections of a Behavior Intervention Plan

- Demographics of person being served
 Allow identification, location of person, guardian, support coordinator, legal status
- Medications the person is taking and reason
- Relevant diagnosis and medical conditions
- Reason for referral for behavioral services
- Summary of Assessment

Major sections of a Behavior Intervention Plan (cont'd)

- Target Behaviors
 - Acquisition behaviors for major goal, and at least first objective operationally defined, topographic response class
 - Reduction Behaviors operational definition of behaviors including topographical response class

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Major sections of a Behavior Intervention Plan (cont'd)

- Procedures for teaching acquisition behaviors.
 - Should tell when/how/what of reinforcement procedures.
 - Should tell anyone reading it, in simple terms, how procedures are done
 - Should be written in a step-by step format
 - Acquisition behavior should be functionally related to behavior targeted for reduction

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Major sections of a Behavior Intervention Plan (cont'd)

Procedures for behaviors targeted for reduction.

- Procedures to prevent including how to set up the environment, how to re-direct the individual when reliable precursors occur (Identify reliable precursors)
- Procedures for intervening when the behaviors occur. Step by step, with description of when this intervention turns into a crisis situation and should be addressed as such.
- Intervention with targeted behaviors should all end in reinforcement of an appropriate behavior.

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Major sections of a Behavior Intervention Plan (cont'd)

Should be true that a reasonably educated person can read the procedures and without too much interpretation can follow the steps with reliability. (OF COURSE competency based training requires more than reading the procedures.)

Major sections of a Behavior Intervention Plan (cont'd)

- Procedures for staff/care-giver training
 - Competency based
 - Performance of procedures observed
 - Monitoring methods and schedule (by supervisors of staff, behavior analyst following the plan, overseeing the plan

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Major sections of a Behavior Intervention Plan (cont'd)

- Generalization and Maintenance Procedures
- Plan for Fading

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- If BSA, plan for fading this service
- If receiving 1:1 ADT services, plan for fading this service
- Ultimate and Intermediate Outcomes

Major sections of a Behavior Intervention Plan (cont'd)

- Date intervention plan written
- Date reviewed by LRC
- Dates revised
- Name and signature of author and behavior analysts monitoring the plan
- Dates plan implemented
- Signed informed consent by person receiving services

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Behavioral Services and the Medicaid Waiver

Important sources of information:

- The Developmental Services Waiver Services Florida Medicaid Coverage and Limitations Handbook
- http://www.maximus.com/flpsap/
- The Delmarva Foundation Monitoring Checklists and Protocols - <u>http://www.dfmc-florida.org</u>
- Behavior Analyst Certification Board Guidelines for Responsible Conduct For Behavior Analysts (ww.bacb.com)
- Florida Association for Behavior Analysis (http://www.fabaworld.org/)

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