**Direct Observation Methods**

Group Combined with Individual Supervision

Supervisor’s Guide

**Competency 4: Use direct observation methods to collect baseline data**

**Group Meeting**

**Activities for Data Collection**

* Compile videos from U-Tube that address the following behaviors
  + Repetitive movements
  + Tantrums
  + Non-compliance
  + Out of seat or / disruptive behavior (e.g. talking in class)
  + Aggression
  + Elopement
  + Self-Injury
* **Begin the group session by informing the supervisees that you are going to spend 3 to 4 sessions on data collection**
* **Before showing the video, review with supervisees procedures for measuring behavior**:
  + **In the form of open ended questions discuss:**
    - **When and how to use procedures to measure repeatability of the behavior** 
      * Event recording and devices used when using event recording (e.g. hand tally counters, masking tape on the wrist…..)
        + Frequency/rate vs. count/occurrence
        + Celeration
      * Time sampling methods (e.g. partial interval or Momentary time interval) to collect count or frequency data
    - When and how to use timing procedures to collect data on temporal extent of the behavior
      * Continuous timing to collect Duration (per session or per occurrence) data
      * Time sampling methods (e.g. whole interval) to collect Duration (per session or per occurrence) data
    - When and how to collect data on temporal extent and repeatability of the behavior
      * **Example: Collecting duration and frequency data**
    - When and how to use timing procedures to collect data on temporal locus of the behavior
      * Latency
      * IRT
      * Time sampling methods (e.g. whole interval) to collect latency or IRT data
    - Discuss the advantage and disadvantages of using time sampling methods
    - Discuss the advantage of using frequency of behavior vs. occurrence when visually representing the data
    - Discuss when and how to use derived measures
      * Percentage
      * Trials to criterion
* **After review show the group a Video**
* After watching the video ask each group members to work individually to:
  1. Define the target behavior
  2. Choose a dimension of the target behavior to be measured (frequency, duration, latency……)
  3. Develop a data collection method (event recording, time sampling, continuous measures ....)
* While the group members are working on the items above walk around the room and give individual feedback to the members
* **After the above steps I – III are completed by all group members have each group member:**
  + Present their definition of the target behavior to the rest of the group
    - If needed, receive feedback from the group and correct the definition of the target behavior
  + Teach the group members how to collect data using the data collection method developed by the supervisee
  + Choose a method to calculate the IOA
* After the target behavior is defined and data collection method is explained all group members will collect data using the definition and the methods specified by the supervisee by watching the video again
  + - After the data is collected, ask them to get into pairs and calculate IOA using the method specified by the supervisee.
    - Guide the group to make appropriate changes to definition of the behavior and to data collection method in order to reach 90 % IOA
    - Do not move to the next member of the group till 90 % IOA is reached for target supervisee
* Ask them to graph the data using paper and pencil or excel
* After each group member takes a turn, have all of them collect data on the target behavior in the video by using continuous measures to obtain data on:
  + Duration of each occurrence
  + Frequency of the behavior
* After use of continuous measures have the supervisees use partial, whole and momentary time sampling methods (set intervals to 5 to 10 seconds) (ask them first what interval they would use then guide them to see why is it important to use 5 to 10 second intervals for these videos)
  + After collecting data with various methods ask them to compare the data and discuss which time sampling method is more accurate
* **Ask the supervisees to get ready for on-site supervision by completing steps I-III at their site**
* **Do the above activities for the next 3 group supervision sessions**

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**Onsite Individual Meeting after Group Supervision**

**Activities for onsite Data Collection**

* Begin the on-site supervision by reviewing:

1. Definition of the target behavior
2. The dimension of the target behavior to be measured (frequency, duration, latency……)
3. Data collection method (event recording, time sampling, continuous measures ....)
4. Method to calculate IOA
5. Give feedback as needed
6. After the above steps I – V are completed, conduct a 10 to 20 min. direct observation with the supervisee to collect data on target behavior by using a specified data collection method to measure the specified dimension of the target behavior
7. Calculate IOA and give feedback to increase IOA
8. Repeat steps VI and VII till IOA is 90 % or better

* After use of chosen measures have the supervisees:
  + Use partial, whole and momentary time sampling methods (ask them first what interval they would use then guide them to select correct interval that appropriate for the given target behavior)
  + Use continuous data collection methods to measure duration and frequency
* After collecting data with various methods ask them to compare the data and discuss which time sampling method is more accurate
* **Ask the supervisees to get ready for on-site supervision by completing steps I-IV at his or her site**
* **Graph and email the data for the day to supervisor**
* **Do the above activities for the next 3 individual onsite supervision sessions**

**Direct Observation Methods**

Individual Supervision Only

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**Competency 4: Use direct observation methods to collect baseline data**

**Individual Supervision Only**

**Activities for Onsite Data Collection**

* **Begin the first data collection supervision session by informing the supervisees that you are going to spend 3 to 4 sessions on data collection**
* **Only during the first data collection supervision session and before conducting any data collection, review with supervisees procedures for measuring behavior**:
  + **In the form of open ended questions discuss:**
    - **When and how to use procedures to measure repeatability of the behavior** 
      * Event recording and devices used when using event recording (e.g. hand tally counters, masking tape on the wrist…..)
        + Frequency/rate vs. count/occurrence
        + Celeration
      * Time sampling methods (e.g. partial interval or momentary time interval) to collect count or frequency data
    - When and how to use timing procedures to collect data on temporal extent of the behavior
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    - Discuss when and how to use derived measures
      * Percentage
      * Trials to criterion
* **After review (1st data collection individual meeting) and during 2nd, 3rd and 4th individual meetings begin with by asking the supervisee to:**

1. Identify and define a target behavior
2. Choose an appropriate dimension of the target behavior to be measured (frequency, duration, latency……)
3. Choose a data collection method (event recording, time sampling, continuous measures ....)
4. Choose a method to calculate IOA
5. Give feedback as needed
6. After the above steps I – V are completed, conduct a 10 to 20 min. direct observation with the supervisee to collect data on target behavior by using a specified data collection method to measure the specified dimension of the target behavior
7. Calculate IOA and give feedback to increase IOA
8. Repeat steps VI and VII until IOA is 90 % or better

* During all data collection individual on site supervision visits:
  + After use of chosen measures have the supervisees use partial, whole and momentary time sampling methods (ask them first what interval they would use then guide them to select correct interval that appropriate for the given target behavior)
  + Use continuous data collection methods to measure duration and frequency
  + After collecting data with various methods ask them to compare the data and discuss which time sampling method is more accurate
* **Ask the supervisees to get ready for on-site supervision by completing steps I-IV at his or her site**
* **Graph and email the data for the day to supervisor**
* **Do the above activities for the next 3 individual onsite supervision sessions**