




Sensory Integration & Autism Spectrum Disorders

Presented by
Kathleen "Mo" Taylor, OTR/L

This conference will begin soon.

When we begin, the audio should come through your computer speakers. If no sound comes through, please check your computer audio settings to see if your speakers are muted. If they are not, please use a phone to dial into the audio teleconference at 1-866-516-3949 PIN 2294683.

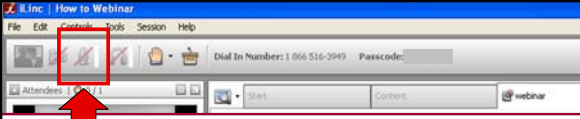
You may use the chat box on your screen to ask questions at any time.
Please note: the chat is being recorded.

Please call Richard Scotten at 505-925-4731 for technical assistance if needed.






Before we start, a little housekeeping:

- Certificates of Participation will be e-mailed to all **registered** participants
 - Please check with your State Licensure Board on current rulings regarding CEU's for Webinars
- Please fill out our online evaluation at the conclusion of the webinar, you will be directed there automatically.
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Please ensure your Microphone is Muted to avoid broadcasting over the presenter. Thank you

- Click on the microphone icon  to cross it out and mute.



Asking questions

There are two forums to ask questions:

1. **Public-chat:** In the 'Chat' box type in your question in the 'Public-chat' tab—please note your question and name will be viewable by all participants.
2. **Private-chat:** Click the 'Private' tab and double click on the moderator (Paul Martinez) NOT the presenter—they will not take questions sent to their profile. Again, type in your question in the 'Chat box' to the bottom left of your screen.

Please Note: Depending on the volume of questions not all question may be answered.



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The Autism Programs
Center for Development and Disability
A University Center For Excellence in Developmental Disabilities,
Education, Research & Service
University of New Mexico



Training Objectives

-  Have an improved understanding of the sensory differences of a person with autism spectrum disorders.
-  Have an improved understanding of how to assess a sensory needs of a person with autism spectrum disorders.
-  Have an understanding of sensory modifications and strategies that can be used to support a person with autism spectrum disorders.

SENSORY INTEGRATION
Ability to make sense out of the environment

Information Comes In

- Sight
- Auditory
- Movement
- Position
- Taste
- Smell
- Touch

Process the Info

Respond

Sensory Registration

Information coming in!

Sensory Channels

- Visual
- Auditory
- Tactile
- Vestibular
- Taste
- Smell
- Proprioception

What channels are a smooth ride for people with ASD?

See

Taste


Smell

Hear


Position in space

Move

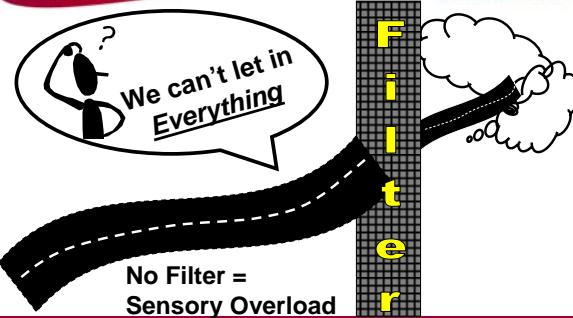
Touch




We can't let in Everything



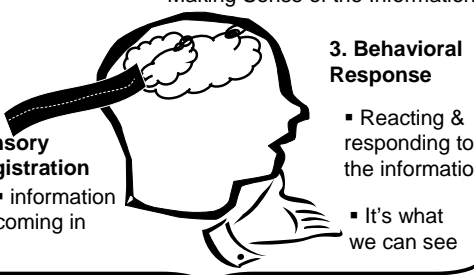
No Filter = Sensory Overload






Understanding the "Cycle"


- 1. Sensory Registration**
 - information coming in
- 2. Sensory Processing**
 - Making Sense of the Information
- 3. Behavioral Response**
 - Reacting & responding to the information
 - It's what we can see



Sensory Integration




- We need to be aware of the sensory information coming in. (too much, too little)
- We need to evaluate if a person can process more than one sensory channel at a time. (mono channel)
- We need to watch the behavioral response.






Behavioral Response

- Positive
- Sensory Overload F/F/F
- Self-stimulation
- Self-injurious behavior
- Disorganized responses



Sensory Overload



<p style="text-align: center;"><u>Fight</u></p> <ul style="list-style-type: none"> ▪ lashing out toward others &/or self 	<p style="text-align: center;"><u>Flight</u></p> <ul style="list-style-type: none"> ▪ running away verbally or physically 	<p style="text-align: center;"><u>Fright</u></p> <ul style="list-style-type: none"> ▪ freeze state or shut down; withdrawal
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Self-Stimulation

- purposeless repetitive actions for no apparent reason



- Why do **you** do it?
(We all do it, we're just more "culturally appropriate")

Self-Injurious Behavior



- S.I.B. is basically self-stimulation behavior at a higher intensity

- What are they seeking; how can we substitute?



Disorganized Responses

- decreased language abilities both receptive and expressive
- decreased sensory motor skills
- decreased attention span
- decreased use of social abilities
- increase of ritual behaviors
- signs of escalation

Assessing Sensory Differences



1. Recognize everyone has sensory preferences – it's a problem when it gets in the way of learning.
2. Try to identify which sensory channel(s) are interfering the most with life.
3. Is the person seeking sensory input or avoiding the input.
4. Recognize that all behaviors are not sensory based.

The reason of the behavior could be a sensory need if:

- 1) Would the behavior occur continuously if the person was left alone for long periods of time?
- 2) Does it appear to you that this person enjoys doing the behavior?
- 3) When behavior is occurring does this person seem calm and unaware of anything else going on around him/her?
- 4) Does the behavior occur in the same way/over and over? (rocking)

MAS Motivational Assessment Scale

Finding An Alternative

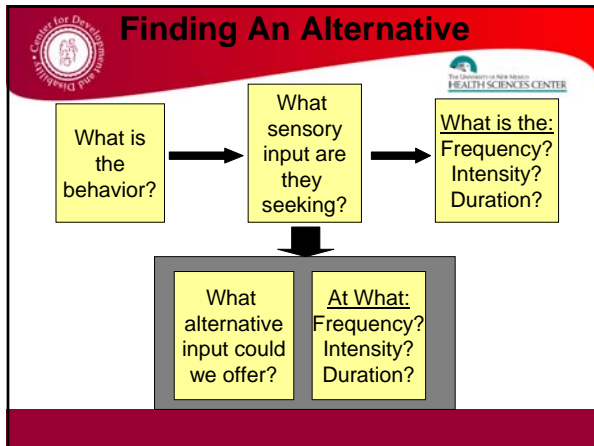
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    graph TD
      A[What is the behavior?] --> B[Is the function of the behavior sensory?]
      B --> C[What alternative strategy could we suggest to get more or less sensory input?]
  
```






Sensory Ideas

- What have you used to get away from sound?
- What have you used to get away from visual input?
- What have you used to get more movement?
- What have you used to get more tactile input?




- Sensory Input that can help regulate an individual...**
- Rhythmical movement
 - Deep touch pressure
 - Organized visual directions
 - Decreased auditory input (noise)
 - Heavy work activities (proprioception)
 - Oral motor options
 - Clear beginning and a clear ending

- WHY?**
- Heavy work (proprioception) makes us calmer.
 - Putting things in our mouth makes us calmer.
 - Visual supports decreases our anxiety.
- Decreasing the sensory input around us can allow us to process one sensory channel at a time.
- 

Understanding sensory information...





can help a person understand their world!

Thank you for listening




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Evaluations

- Please fill out our online evaluation of the webinar, you will be directed there automatically at the conclusion of the webinar.
 - *If you are sharing a computer to view the webinar, the others will need to access their emails and click the link provided to complete their survey.*
- Please complete the evaluation by Wednesday 12:00 noon.

Thank you!
