Self-injurious behavior in young children: Pearls, pitfalls, and room to grow Jill Fodstad, PhD HSPP BCBA-D Associate Professor of Clinical Psychiatry Indiana University School of Medicine Department of Psychiatry Director, Early and Emerging Self-injurious Behavior Clinic INDIANA UNIVERSITY Indiana University Health

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- 1. I have no relevant financial relationships with the manufacturers(s) of any commercial products(s) and/or provider of commercial services discussed in this CME activity
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What's in a Name

- "A disorder that involves repeated self-infliction of physical damage \dots " lwata et al (1982/1994)
- "A response that produces physical injury to the individual's own body." Tate & Baroff (1966)
- "A self-directed behavior that is socially unacceptable and places the individual or others in jeopardy ... affecting education, living placement, and community involvement" Emerson, 2001
- "Self-directed acts ... cause immediate tissue damage o<u>r have the potential to do so if left untreated"</u> Rojahn, Schroeder, & Hoch (2007)





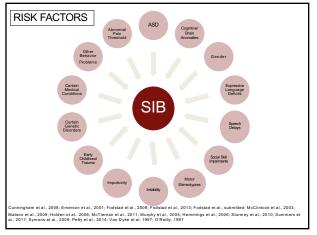
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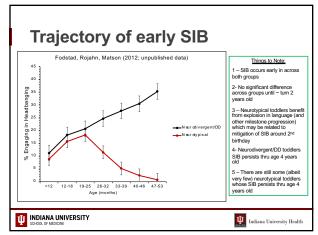
OK, so what qualifies?? Most prevalent across all children under age 5 years old (MacLean et al., 2020) ✓ Headbanging Rumination Face/Body Slapping ✓ Aerophagia Hair Pulling ✓ Pica Biting Self ✓ Hand mouthing ✓ Body hitting Eye poking/pressing Rectal Digging ✓ Polydipsia Scratching/skin picking ✓ Body slamming INDIANA UNIVERSITY Indiana University Health

1



5





AAP Guidelines for SIB in children

Health et al., 2016; Sarles & Edwards, 2016:

Step 1: Rule out acute or chronic medical conditions

Step 2: Referral to developmental pediatrician or subspecialty medical provider as needed

Step 3: Refer for a functional-behavior assessment (FBA) by a BCBA/behavioral psychologist and initiate behavior therapy

Step 4: If SIB causes tissue damage, interferes with social/emotional development, or persists beyond age 3 years old, refer to a child psychologist and/or child psychiatrist

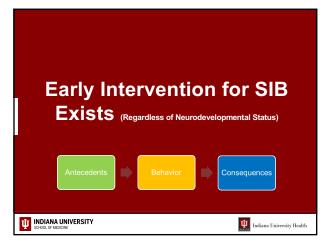
Note: Even AAP says, SIB should be "checked out"/treated before/by age 3 years old!

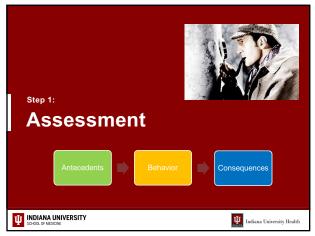


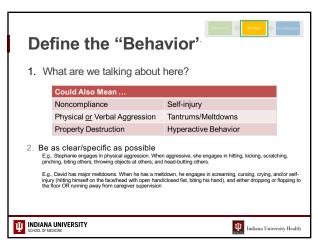
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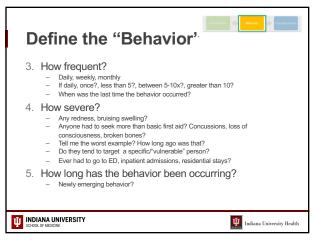
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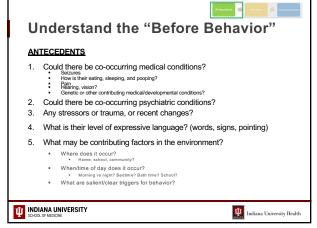
What is happening in primary care? Were SIB-specific Recommendations Provided? Were SIB-specific Recommendations Provided? Parenting Strategies 212,396 Parenting Strategies 212,396

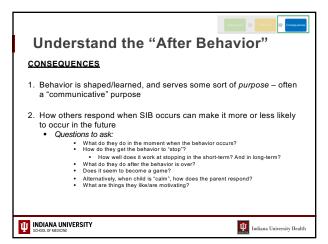


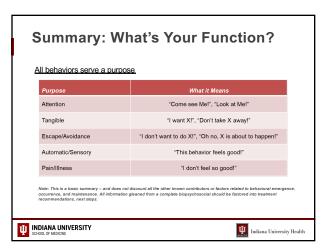


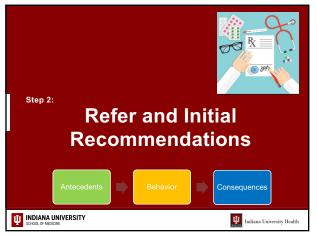












You've Assessed ... Now What? Follow AAP Guidelines. Step 1: Rule out acute or chronic medical conditions Step 2: Referral to developmental pediatrician or subspecialty medical provider as needed Step 3: Refer for a functional-behavior assessment (FBA) by a BCBA/behavioral psychologist and initiate behavior therapy, including parent training Step 4: If SIB causes tissue damage, interferes with social/emotional development, or persists beyond age 3 years old, refer to a child psychologist and/or child psychiatrist INDIANA UNIVERSITY INDIANA UNIVERSITY

You've Assessed ... Now What?

Initial Recommendations YOU Can Start!!!

... But first thing first







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Initial Recommendations To Start

- 1. If behavior onsets suddenly or quickly escalates, can trial Tylenol to test out if "pain" is contributing and then work backwards.
- 2. If pooping, sleeping, and/or eating difficulties are thought to contribute, we want to reduce their impact through standard treatments for those issues.
- 3. Refer to other needed therapeutic services addressing areas of impairment that are factoring into early SIB.





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Initial Recommendations To Start

- 4. Headbanging: Be careful with recommending helmets.

 - печатизитути; <u>De Carettu with recommending helmets</u>,
 a. If the behavior is sensory seeking, use of helmets may result in the emergence of other self-injurious behaviors
 b. Can lead to other negative behaviors
 c. If a helmet is necessary, a clear plan needs to be in pace for when helmet is in use vs. not in use; a clear plan to fade the helmet out completely also needs to occur. Someone (not the parent) needs to oversee supervising the plan.
- Headbanging on hard surfaces;
 a. Move child to a softer surface (couch, bed) or slip a pillow underneath their head.
 b. Remove or pad/modify specific item, thing, or area often targeted (e.g., their crib, the corner of the coffee table, etc).

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Initial Recommendations To Start

- 6. Redirect at FIRST SIGNS of irritability (and before SIB occurs)

 - SIB OCCURS)
 a. First/then or if/then statements
 b. Offer choices
 c. Instead of "no" use "A is not available now ... but B or C is immediately available now." and say when A will be available.
 Make sure to follow through
 d. If able, prompt HELP or BREAK (or other relevant "mand")
- Use the W.A.I.T. (Why Am I Talking/Etc.) skill like a champ!
 Reduce excessive talking, giving the child "things" to calm them down, or allowing them out tasks or demands.
 Note: It is hard to ignore until the behavior completely stops. Be mindful when recommending "ignoring" SIB to parents and be ready to modify this skill.



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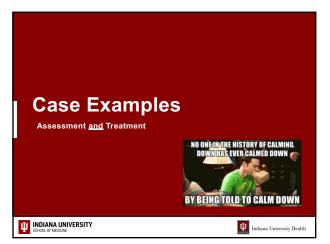
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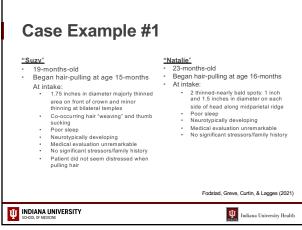
Initial Recommendations To Start

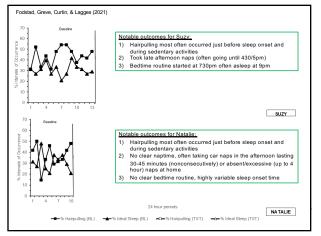
- 8. If behavior is sensory seeking
- a. Increase level of activity engagement.
 - a. Keeping the child more occupied can reduce boredom/sedentary time.
 - b. Find an item or activity that is associated with low levels of self-injury. It does NOT have to serve the same sensory input as the self-injury behavior.
 - Give continuous access to this item especially during times of low-activity/boredom. If the child is not engaging in the item, represent it until they do. If they item does not lower the SIB or the child does not eventually "use the item," identify another item that competes with their desire to engage in self-injury.

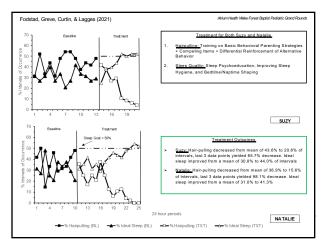


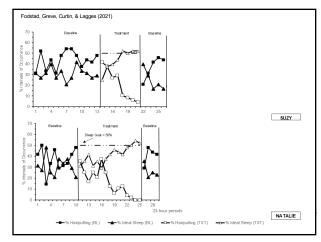
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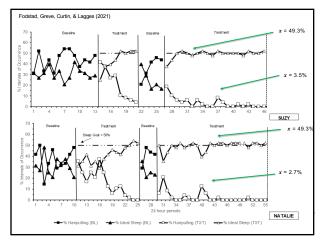


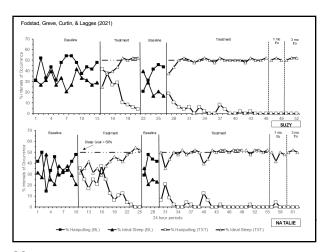












Atnum Health Wake Forest Baptist Pediatric Grand Rounds Case Example #2 3 years old, 0 months at intake Top Behaviors of Concern:
Headbanging: Puls hands on head and forward/backward hits head on objects
Other SIB: Face hitting, self pinching, hair-pulling DX: Autism Spectrum Disorder, epilepsy Daytime care provided at home; family lived in rural area with limited services; family had 1 car for transporation Language: No expressive speech; has 4 signs uses functionally (eat, bye bye, more, all done) $\label{eq:medication:ethosuximide} \mbox{ Medication: ethosuximide (2.5 mL, 2x/day), iron, Tylenol/ibuprofen (as needed), melatonin (as needed)}$ Poor sleep - night-wakings, sleep onset associated with SIB, limited daytime napping Triggers: Interrupting desired task, saying "no"/denied access, "bored", siblings not playing with him Parents manage behaviors by: Hugging, talking to him, rubbing back/head, playing with him, giving him something to eat/drink Other services/specialties involved: Neurology, Pediatrics/Developmental Pediatrics (referring provider), Speech, Occupational Therapy INDIANA UNIVERSITY

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Case Example: Samuel

- Treatment Involved 3 Core Areas:
 - 1. Care Coordination across providers
 - During course of treatment added Sleep Medicine and Psychiatry subspecialists to team
 - 2. Increase Access to Home-based Services

 - 3. SIB-specific individualized interventions implemented by caregivers through focused telehealth-based parent training and coaching

 Picture- and sign-based Functional Communication Training

 Minimizing Excessive Verbal + Physical Attention Contingent Upon SIB

 Redirecting at Early Signs of Behavior

 Increase visual-structure, and consistent routines in home

 Environmental Engineering

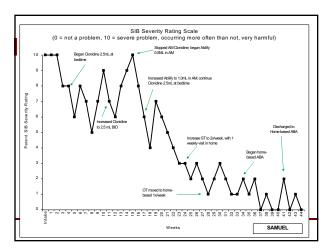
 Received Weekly Text-based Monitoring Tools to Rate Behavior,

 Reminders of Skills Working On/Troubleshooting Tips, Relevant

 Videos/Handouts, "Confidence Boosters"



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