Come to your Senses: Integrating the Sensory Experience in the Clinical Setting

Faith Orsini, PE, MHA,
Robert Wood Johnson University Hospital

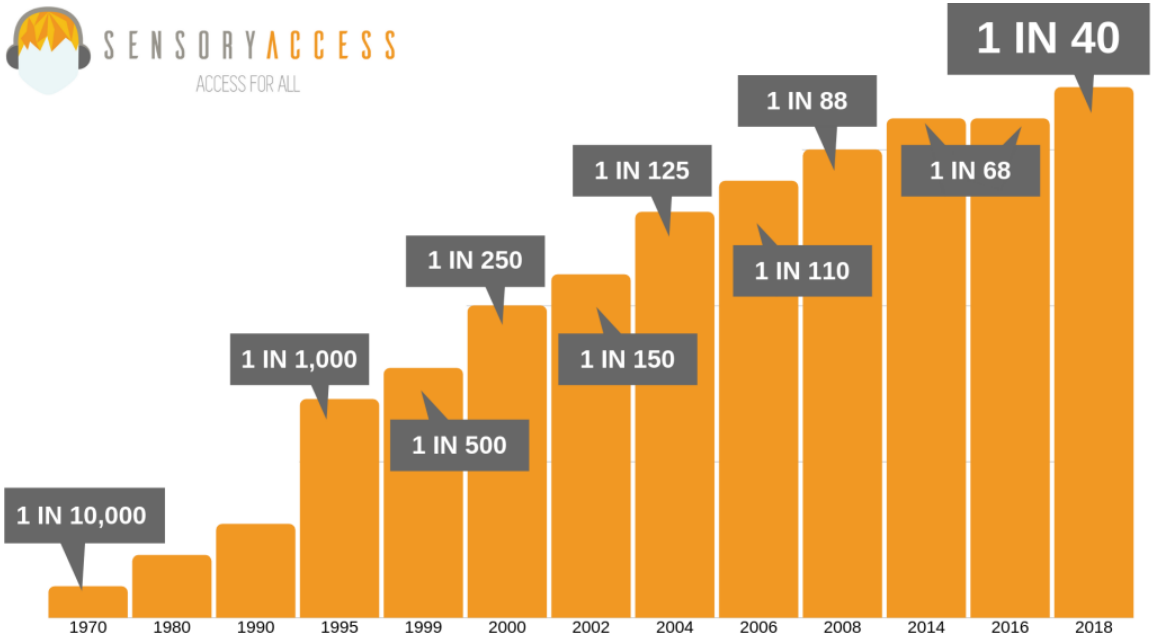
Nicole Cocolin, NCIDQ, IIDA,
DCC Design Group

Barbara Romito, MA, CCLS,
Bristol-Myers Squibb Children's Hospital at Robert Wood Johnson University Hospital

HCD
HEALTHCARE DESIGN
EXPO+CONFERENCE

The Rise of Sensory Disorders

- Statistics of Sensory Disorders
- History of sensory environments in treatment areas



The Children's Hospital at TriStar Centennial

The Rise of Awareness

- Sports stadium multi-sensory rooms
- Sensory friendly venues
- Sensory accessible amusement parks
- Across our system – RWJBH

Our **Journey** Begins…

With a New Emergency Department

- Approx. 60,000 sq.ft. expansion and renovation
- Adult ED volume – 71,000 visits / Pediatric ED volume – 23,000 visits

A Mother's Vision…

- Dina Elkins and her son Hunter
  - Karma Foundation
  - Chair of the Foundation at RWJUH

"I wanted parents and kids to feel like they had some control over the experience, allowing them to customize it specifically for their child."

Many **Perspectives** Around One Table

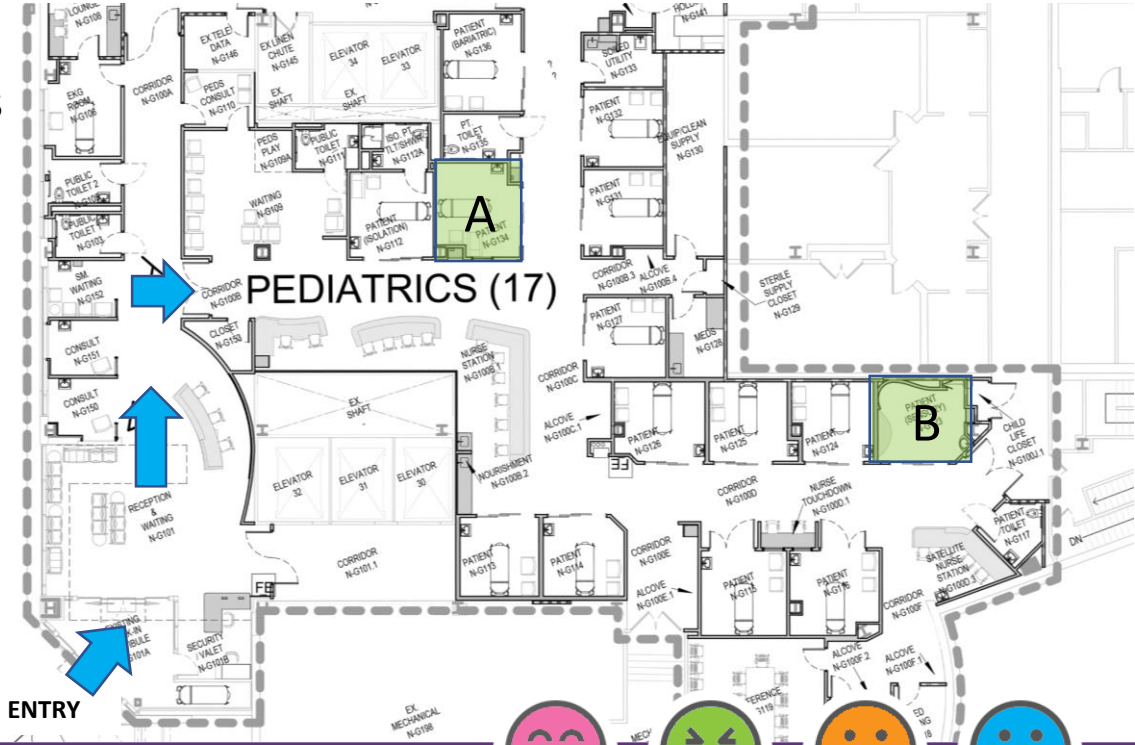
Donor
- Impact
- Funding
- Vision

Facilities & Design
- Location
- Timing
- Plan Redesign?

Clinical
- Treatment & Care
- Infection Control
- Developmental & Psychosocial Needs

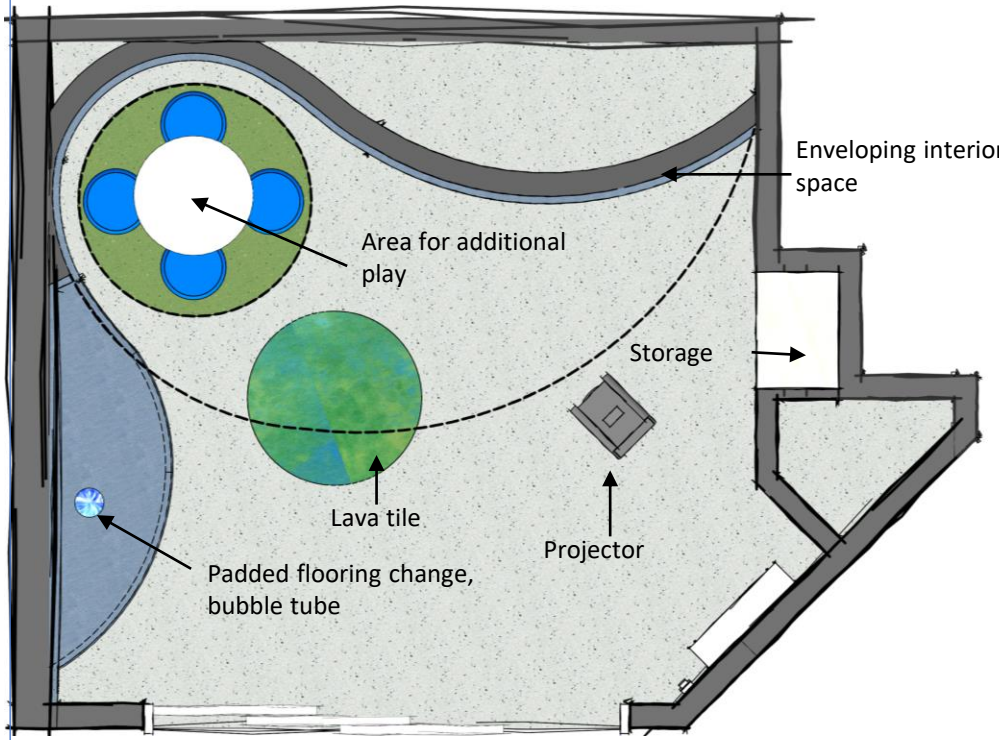
Location, Location, Location

- Where does the Sensory room belong?
- Pros & Cons
  - Less travel vs. more footsteps
  - High traffic vs. low traffic
  - Vulnerable vs. protected
  - Direct Visibility



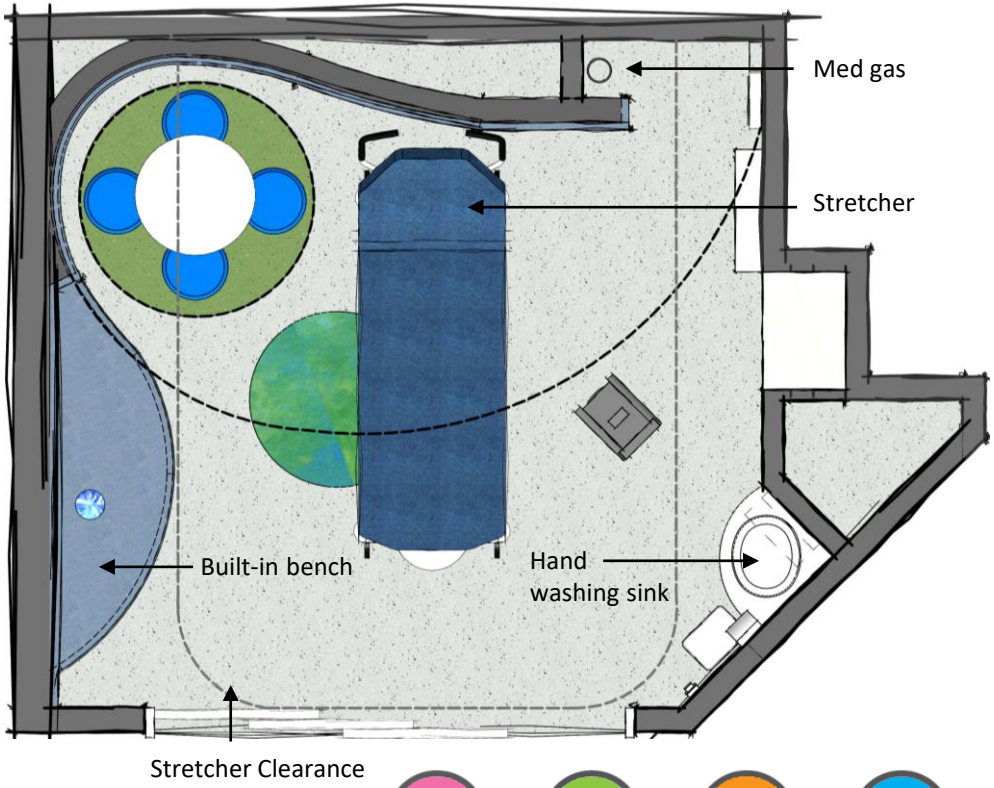
Integrating the Team Vision into One Solution

- Initial Planning Considerations
- Focused on the sensory vision
  - A fully immersive, integrated environment
  - Products standard to the sensory experience
  - Versatility and Freedom of Choice



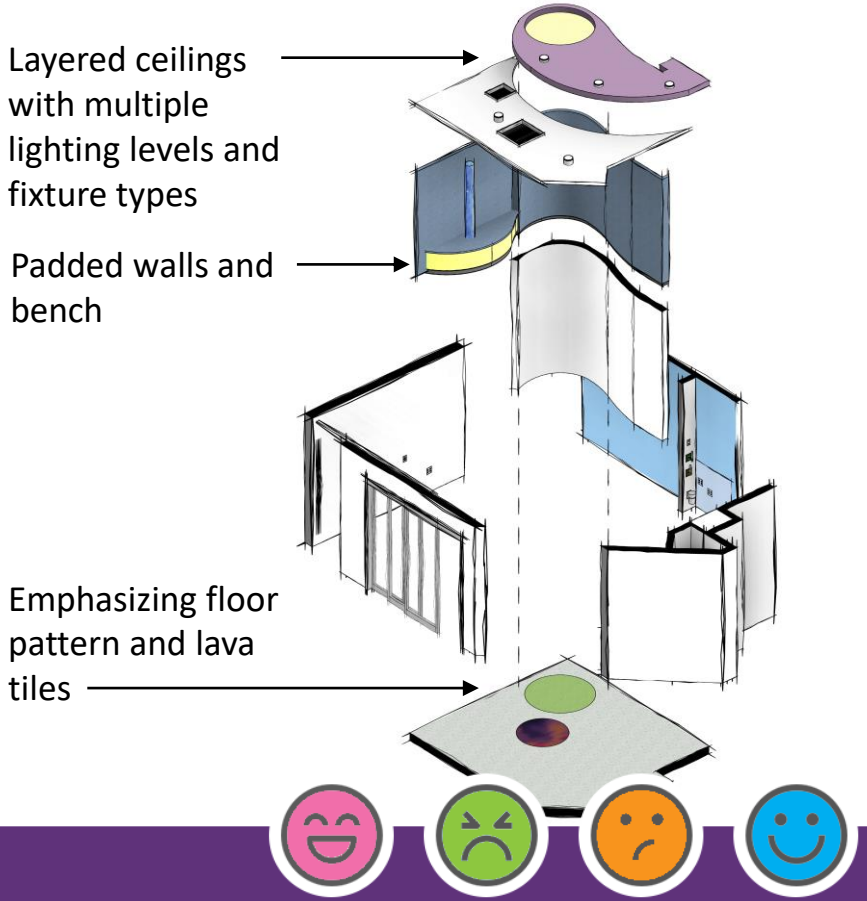
Integrating the Team Vision into One Solution

- Planning Evolved
- Refocus on sensory treatment
  - Clinical vs. Sensory needs
  - Clinical resources (med gas, stretcher accommodation, clearances, etc.)
  - Code requirements
  - Family & provider engagement



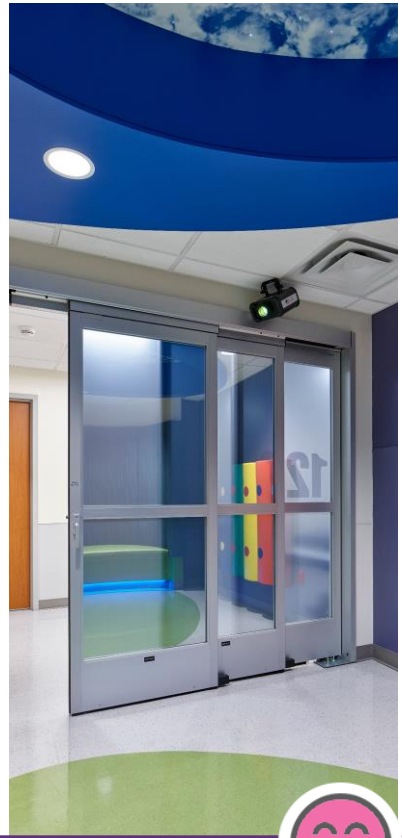
Integrating the Team Vision into One Solution

- Design
- Enhancing the sensory experience while maintaining the clinical setting
  - Dynamic ceiling design
  - Variable lighting levels
  - Padded surfaces
  - Intuitive & Interactive flooring designs
  - Enhanced patient control and interaction



Integrating the Team Vision into One Solution

- Finish Materials
- Enhance patient experience, optimize infection control
  - Playful colors & textures
  - Durability
    - High impact
    - Vinyl upholsteries
  - Low maintenance
    - Bleach cleanable
  - Finish materials as sensory tools
    - Double sided glass film



Integrating the Team Vision into **One Solution**

Integrating the Team Vision into One Solution

- Products & Furniture
- Sensory products
  - Selection & procurement
- Furniture
  - Patient & Provider Engagement
  - Patient Control and Interaction

Groundbreaking Results

Pediatric Sensory Treatment Room

December 2018

The Only Mistake in Life…is the Lesson not Learned

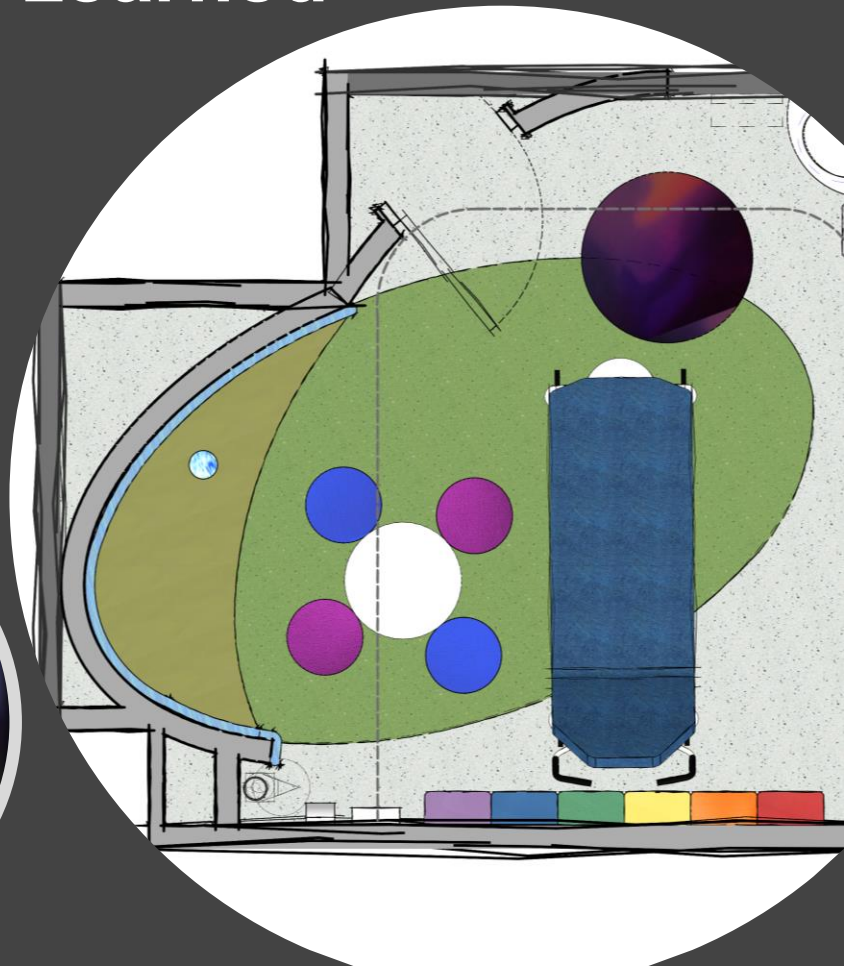
- Lessons Learned – Design & Construction
- Sensory product procurement, requirements and install
  - Power Requirements
  - Online description vs. received product
- Who wasn't at the table
  - Bubble tubes vs. LED light tubes

The Only Mistake in Life…is the Lesson not Learned

- Lessons Learned – Clinical
- Timing, without the luxury of time
  - Staff Education
    - Staff assessment
    - ASD education
    - ASD screening tool
    - Sensory room guidelines
    - Measurement tool

Incorporating Our Lessons Learned

- Adult Sensory Room
  - Grander design
  - Moved from LED wall products to tactile wall products
  - Bubble tube to LED rainbow tube
  - Formal staff education
    - Assessment protocols
    - Staff room training



Groundbreaking Results

Adult Sensory Treatment Room

October 2019

Realizing Positive Outcomes

- Patient Engagement Scores

PG Questions	2018 Score	2019 YTD
Likelihood of recommending	82.3	85.6
Overall rating of ER care	83.7	85.1
Staff sensitivity to fear/ concerns	80.7	82.4
Availability of things for child to do	67.2	69.5

And Future Initiatives

- Early Assessment and Identification
- Technology
- Certification (Sensory Friendly)
- Community outreach & marketing
- MSE's in future construction/renovation
- Research

Q&A

Resources

https://sensoryaccess.org/
https://www.kulturecity.org/
http://sensorycity.org/
https://www.autismspeaks.org/
https://intboardofsensoryaccessibility.org/
http://proofpositive.org/

Continuing Education Information

AIA –

- Have your conference badge scanned by the room monitor at the start of each session you attend.
- Complete the AIA verification form (be sure to check off the sessions you attend) and retain it for your records. CE credits will be uploaded to the AIA transcript system within 6-8 weeks of the close of the conference.

IDCEC –

- Have your IDCEC verification form STAMPED by the room monitor at the start of each session you attend. This is the ONLY proof of attendance that will be accepted.
- You will self-submit your credits to the IDCEC system at the conclusion of the conference.
- If you have questions about reporting your credits, contact the interior design association that is responsible for monitoring mandatory continuing education to fulfill membership requirements.

EDAC –

- Complete the EDAC verification form and retain it for your records
- You will self-submit your CE credits to Castle Worldwide at the time of your EDAC renewal. Renewal notices with login instructions will be sent from Castle Worldwide six months and three months prior to the candidate's renewal date.
- The verification form is your proof of attendance in case of an audit.

Session Evaluations in HCD Mobile App –

- All session evaluations will be done through the HCD Mobile App
- If you have not done so already, please download the app through your device's app store. If you have any questions or need assistance, please email support@core-apps.com

Individual Session Evaluation Instructions –

- On the home screen, click My Schedule
- Find the session you are attending
- After selecting an individual session, a navigation bar will appear on the left. Click the clipboard icon and evaluation/survey will begin

CONNECT - FOLLOW - SHARE

Engage with others at HCD Expo & Conference
by connecting on social media.

LIKE

facebook.com/HCDcon

FOLLOW

@HCDcon

HCD
HEALTHCARE DESIGN
EXPO+CONFERENCE

#HCDcon