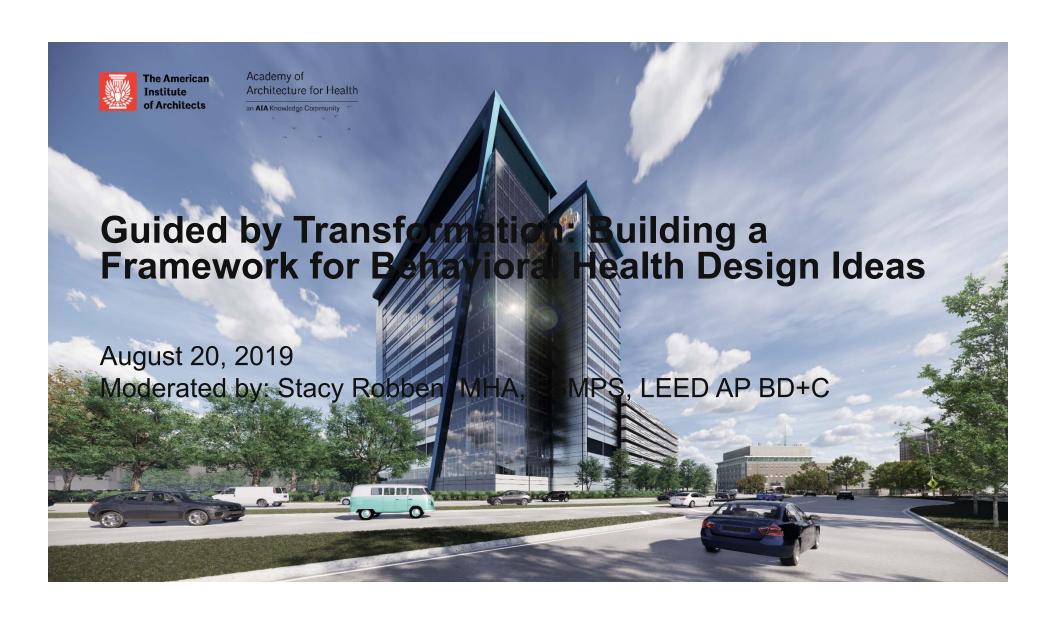
Guided by Transformation: Building a Framework for Behavioral Health Design Ideas

August 20, 2019 Jon Sell, Director, Behavioral Health Design Patricia Malick, CHID, EDAC, IIDA, Lean Green Belt Practice Leader, Interior Design









Case Studies Series

As part of the Academy's multi-channel, on-line approach, these sessions provide emerging and experienced professionals with convenient and economical opportunities to develop their chosen area of interest.



Copyright notice

This presentation is protected by US and International Copyright laws. Reproduction, distribution, display and use of the presentation without written permission of the speaker is prohibited.

© The American Institute of Architects (2019)



Compliance Statement

"AIA Knowledge" is a Registered Provider with The American Institute of Architects Continuing Education Systems (AIA/CES). Credit(s) earned on completion of this program will be reported to AIA/CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon special request.

This program is registered with AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.



AIA/CES Reporting Details

In order to receive 1 AIA LU/HSW credit, each attendee must complete the webinar survey at the conclusion of the presentation.

A link will be provided in the chat box and included in a follow-up email one (1) hour after the webinar to the individual who registered your site.



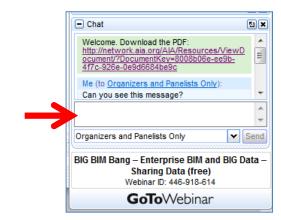


Questions?

Submit a question to the moderator via the chat box.

Content-related questions will be answered during the Q&A portion, at the end of the presentation, as time allows. Any questions not answered during Q&A, will be answered and posted online within two (2) weeks.

Tech support questions will be answered by AIA staff promptly.







Jon Sell
Director of Behavioral Health Design
Array Architects



Patricia Malick
CHID, EDAC, IIDA, Lean Green Belt
Array Architects



Mental Health Facts CHILDREN & TEENS

Fact: 1 in 5 children ages 13-18 have, or will have a serious mental illness.



20% of youth ages 13-18 live with a mental health condition¹



11% of youth have a mood disorder¹



10% of youth have a behavior or conduct disorder¹



8% of youth have an anxiety disorder¹

Impact

50%

50% of all lifetime cases of mental illness begin by age 14 and 75% by age 24.1

10 yrs

The average delay between onset of symptoms and intervention is 8-10 years.¹

37%



37% of students with a mental health condition age 14 and older drop out of school—the highest dropout rate of any disability group.¹

70%



70% of youth in state and local juvenile justice systems have a mental illness.¹

Suicide



3rd Suicide is the 3rd leading cause of death in youth ages 10 - 24.1



90% of those who died by suicide had an underlying mental illness.¹

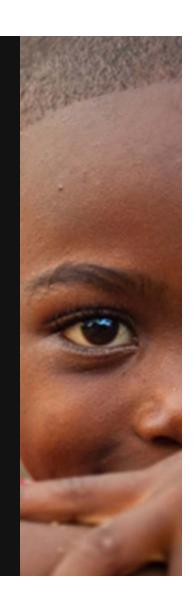
1 in 5

Children and adolescents are experiencing a mental disorder...



1 in 10

... of them experience mental illness severe enough to cause impairment



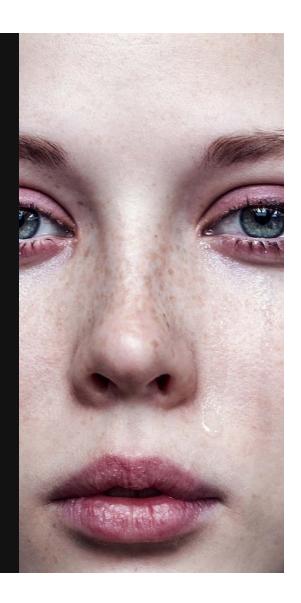
3 to 5

Children per day arrive in CHKD's Emergency Room in need of a mental health evaluation...



15 to 20

Mental health referrals per day received by CHKD from primary and specialty care providers....



153

...typical number of children on the waiting list to receive mental health care in Norfolk.



6 weeks

...time some children in Norfolk must wait to receive mental health care.





2**x**

...poor children are almost twice as likely to experience severe mental difficulties



102,000

Children and adolescents in Virginia have a serious emotional disturbance...



65,000

... of them are extremely impaired



3rd

Suicide is the third leading cause of death among 10- to 24-year-olds in Virginia

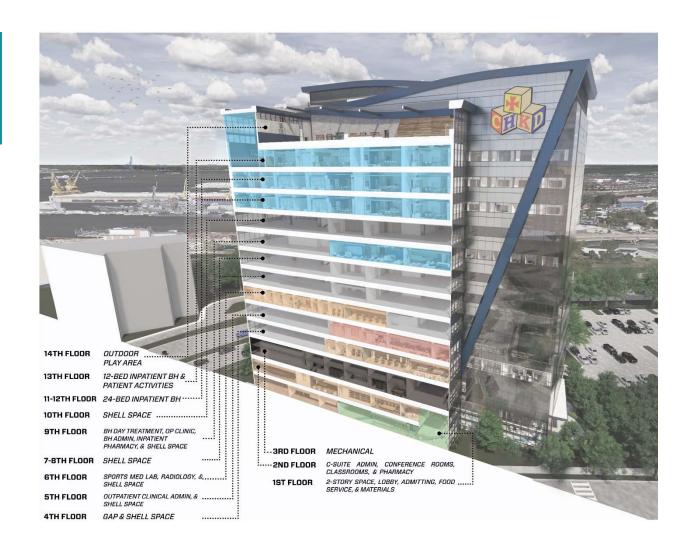


AGENDA

- Q Discovery
- Project Benchmarking
- Guiding Principles
- Process & Experience Mapping
- Program & Transformation Goals
- Engagement

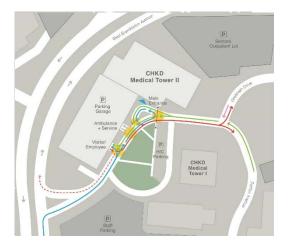
PROJECT PARAMETERS

- 60 Behavioral IP Beds
- 24 Future Behavioral IP Beds
- BH Day Treatment
- Behavioral Outpatient Clinic
- Primary & Specialty Clinic



PROJECT PARAMETERS

- Maximize site build-out
- o 100,000 SF Shell





GUIDING PRINCIPLES: Designing for safety + security

- No restraint or seclusion
- Patient de-escalation protocols
- Toilets accessed from corridor
- Family participation
- Maximizing sightlines
- Ideal unit size
- Smaller engagement zones



DAY TREATMENT & BH CLINIC



INPATIENT FLOOR



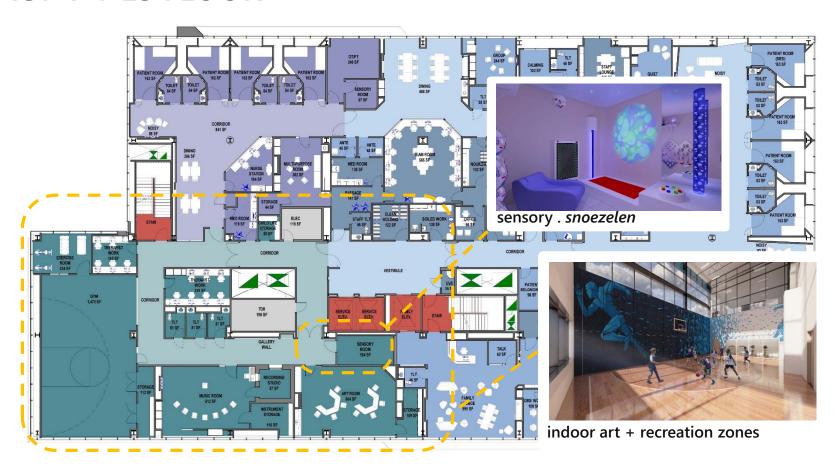
INPATIENT FLOOR



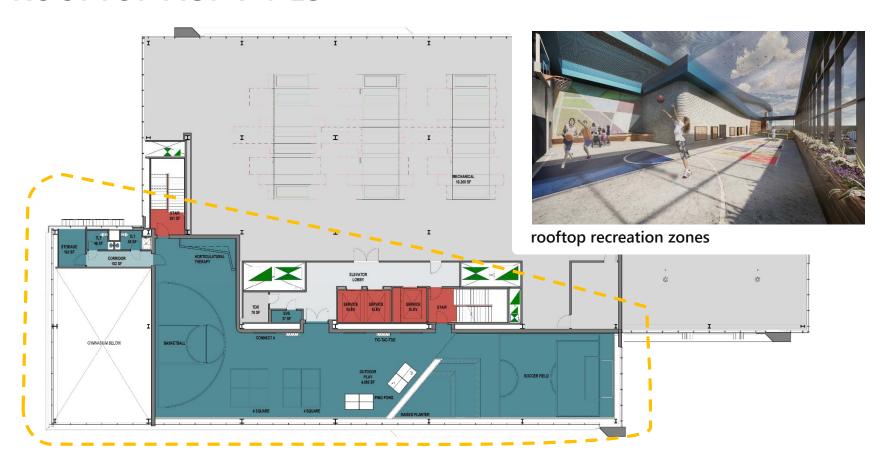
INPATIENT FLOOR DETAIL



ACTIVITIES FLOOR



ROOFTOP ACTIVITIES



DISCOVERY -**Benchmarking**

- Program / Protocols / Philosophy
- **Precedent Projects**
- **Best Practice**

Seattle Children's Hospital Psychiatry and Behavioral Medicine Unit (PBMU) Ame 28°, 2018

General Comments

Building Operational +/- 3 Yrs.

Building Operational +/- 3 Yrs.

Pail General most of year, Irreleted seasonal variation by diagnosis (ASD higher in summer), Seattle age of consent 33YO

Program Space:

10 formis patients

10 formis patients

10 gramming patients

10 gramming patients

10 gramming patients protect onces

10 gramming patients protect onces

10 gramming patients protect onces

10 gramming patients in patients onces

10 gramming patients in patients

10 gramming patients

10 gramming















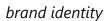






GUIDING PRINCIPLES







flexibility



 $community\ asset$



patient & staff safety



operational efficiency

best-in-class
empowerment
welcoming
family-centered

best-practice
dignity
hopeful
destination of choice





Question Reminder

Submit your questions and comments via the chat box.



PROCESS + EXPERIENCE











EMPATHY MAPPING

PROCESS + EXPERIENCE



Captain Jennifer Nelson was recently stationed at Naval Station Norfolk, and is encouraged to learn more about all CHKD has to offer, especially since her son Kyle was recently diagnosed with ASD.



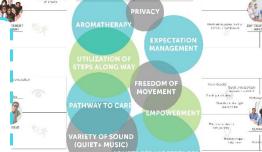
Carla Jones is a licensed Clinical Social Worker and has been part of CHKD's Outpatient Mental Health Practice for several years and was delighted to hear about the expansion plans. She is passionate about serving this vulnerable pa-tient population as she advances in her career.



Camilia and Nick are putting down roots in Nor-folk, having relocated from Philadelphia. Hav-ing left a city with premier pediatric institutions, they were excited to learn about CHKD's mis-sion and reputation for excellence







AGE" / "OFFSTAGE FOR STAFF

Visual Organization (Stock - + Tigot



Dr. Michelle Miller was recruited to join CHKD Behavioral Health team and is proud to be part of building a premier inpatient mental health service line.



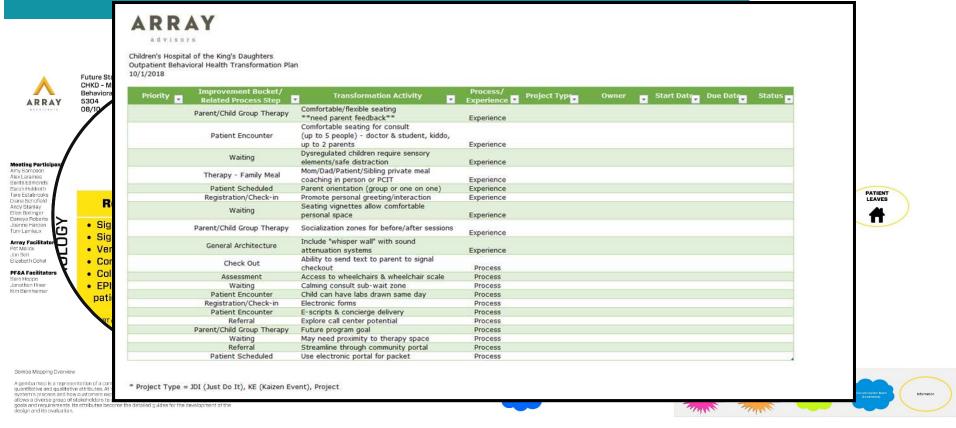
Elizabeth and John were recently advised that their young son Austin will require hospital-Lation for a mental health diegnosis. They are relieved they won't have to travel far to get him the help he needs. They have come to count on CHKD as their go-to expert for all of Austin's



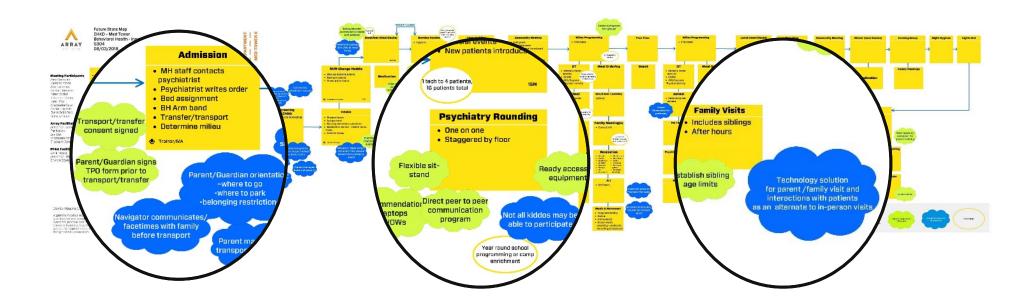
Paul is 15 and has been recieving cognitive be-havioral therapy for OCD and anxiety. His team is supportive, and Paul is feeling hopeful about his care plan.



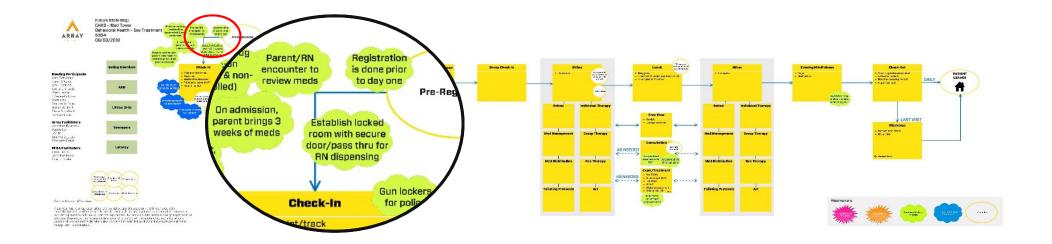
PROCESS + EXPERIENCE: Outpatient Clinic



PROCESS + EXPERIENCE: Inpatient



PROCESS + EXPERIENCE: Day Treatment



RAPID TESTING







FEEDBACK HIGHLIGHTS:

- Family accommodation, sleep zone highly valued
- Maximize sightlines (no hiding zones)
- Personal storage desirable (not climbable)
- Positive distraction, tactile surfaces (self-soothing)
- Personalized, color-changing light in sleep zone
- Large windows, light, wide views, shading controls highly ranked

RAPID TESTING























WHAT IS THE STORY?

meeting every child where they are



transformation

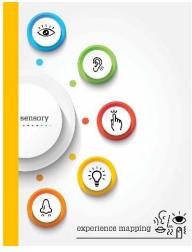
DESIGNING COMMUNITY ENGAGEMENT

- **Lighting the Way** for Mental Health
- Extending the CHKD BRAND
- Filling an urgent community need
- Creating a Community Asset



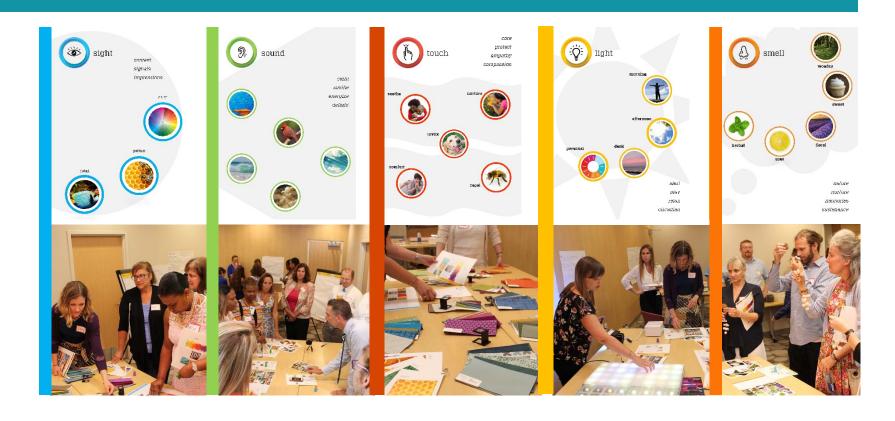
DESIGNING FOR PATIENT + FAMILY ENGAGEMENT

- Empowerment
- Sensory exploration
- Design for all ages
- Normalized environment
- Families as partners





DESIGNING FOR PATIENT + FAMILY ENGAGEMENT









Time for Questions and Comments







CES Reminder

The URL to the webinar survey **Link here** will be emailed to the individual who registered your site.

The survey closes August 23, 2019 at 12:30am ET.

For questions, please email knowledgecommunities@aia.org





Join the Academy of Architecture for Health

www.aia.org/aah



Upcoming Webinars

Date	Series	Topic
9/10	Beyond the Basics	Operating Room Turnover Time
10/08	Out of the Box	Art Planning for Healthcare
11/12	Case Studies	TBD

Dates & topics are subject to change