



PURPOSEFUL 2024

AN ARCHITECTURE IN HEALTHCARE WORKSHOP

AUGUST 21, 2024

Report: *Small, X-Small, XX-Small*
The Scale of Care

Architecture in Healthcare
Committee



Executive Summary: Event Description

The Theme	<p>Small, X-Small, XX-Small The Scale of Care</p> <p>Large vs small, is one better than the other? Healthcare doesn't require a large footprint to meet the needs of a community. Care can be delivered on many scales but how much care can be delivered in a small space? How many small spaces are vacant that could be outfitted to fulfill the care needs of a given community?</p> <p>Last year at PURPOSEFUL we looked at how healthcare could be distributed to a community by reusing and repurposing unused existing buildings. This year at PURPOSEFUL we will apply our design skills and healthcare knowledge to a collection of small spaces that could exist in any occupied building, and in the process bring needed care closer to the patient.</p> <p>Providing care that is relevant to the community that it serves is necessary to fill the gaps that many can slip through. Without large plots of land or whole buildings available what is the size of a space that can facilitate care for many? Discovery and unique insights are sure to abound!</p>	
When	Wednesday, August 21, 2024	
Where	AIA ACLA, 4450 West Adams Blvd. Los Angeles, CA 90016	
Who Attended	80 participants, including healthcare clinicians and facility executives, builders, architects, engineers, and design and construction industry professionals.	
Schedule of Activities	<u>9:00 – 9:30 am:</u>	Registration / Networking
	<u>9:30 – 10:00 am:</u>	Welcome and Panel Introductions
	<u>10:00 – 10:45 am:</u>	Panel Discussion
	<u>10:45 – 1:30 pm:</u>	Design Charette
	<u>2:00 – 3:00 pm:</u>	Takeaways and Closing Comments
	<u>3:00 – Close:</u>	Networking



Executive Summary: Learning Objectives



Learning Objectives AIA LU/HSW: 2.0

- 1. Understand** the Principles of Right-Sizing Healthcare Modules:
 - Learn the key concepts and principles behind right-sizing healthcare modules, including the balance between space efficiency and functionality.
 - Understand how appropriate module sizes can enhance workflow efficiency, reduce staff fatigue, and improve patient care.
- 2. Analyze** the Impact of Inequalities on Healthcare Access and Outcomes:
 - Evaluate how disparities in healthcare infrastructure affect different communities.
 - Explore case studies highlighting the correlation between healthcare design and equitable access to quality care.
- 3. Incorporate** Flexibility and Adaptability in Healthcare Design:
 - Learn strategies to design healthcare modules that can adapt to changing needs, such as advances in medical technology or shifts in patient demographics.
 - Understand the importance of modular flexibility in maintaining long-term functionality and relevance.
- 4. Envision** New Technologies and Designs for Future Healthcare:
 - Anticipate emerging technologies and innovative designs that could transform healthcare delivery.
 - Explore concepts for future healthcare modules that prioritize sustainability, efficiency, and patient-centered care.



Executive Summary: Our Panelists and Moderator



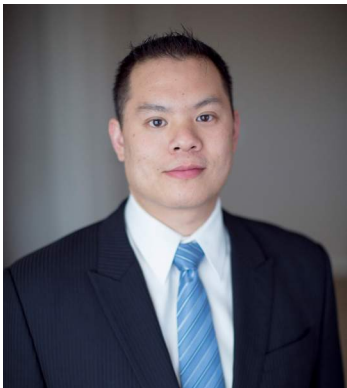
Maryellen Westerberg, DrPHN, RDN, CDCES
Chief Operations Officer, SAC Health

Maryellen Westerberg serves as the Chief Operations Officer at SAC Health. She received her Doctorate in Public Health from Loma Linda University with an emphasis on nutrition and health behavior change. For the past 23 years, Dr. Westerberg has served in multiple roles with SAC Health as a provider and now administrator. Her passion has led her to cultivate partnerships within the community to connect patients to needed resources and to explore clinic expansion possibilities.



Brian Zunner-Keating, MS, RN, PHNA-BC
Director, Homeless Healthcare Collaborative, UCLA

Brian Zunner-Keating is a registered nurse with clinical expertise in public and community health. As a nurse, he began his career with Boston Healthcare for the Homeless in their medical respite center. Prior to joining UCLA Health, Brian worked as a nurse on a mobile clinic in Los Angeles while also conducting program evaluation, optimizing the electronic health record system, and helping design two brand new mobile units. Since joining UCLA Health in 2016, Brian has worked in the Quality and Performance Excellence departments before becoming the Director of the Homeless Healthcare Collaborative in 2021



Kevin Cheng, J.D.
Director, Construction, City of Hope

Kevin Cheng currently oversees the construction activities for all medical center facilities within the City of Hope enterprise including Duarte Campus and Medical Foundation (30+ sites). Cheng’s past experience includes having worked on the General Contractor side, as well as owner’s rep in Real Estate Development. He holds a J.D. from University of the Pacific– McGeorge School of Law and a B.S. in Business Administration from UC Riverside. He is also a licensed California real estate broker. In other capacities, he currently serves as Planning Commissioner for the City of San Marino and as an Governor appointed member of the Dental Board of California.



Phil Crompton
Senior Principal & Partner, Vantage

As Senior Principal and Partner at Vantage Technology Consulting Group, Phil Crompton has provided strategic technology planning, systems design, engineering, and commissioning services for healthcare projects throughout the US and Europe. He applies his extensive project experience, strong communication skills, and comprehensive technical knowledge to help organizations envision the role of technology in their future. With a strong technology vision as a basis, Phil then guides his clients through the complex process of building effective and resilient technology systems and infrastructure.

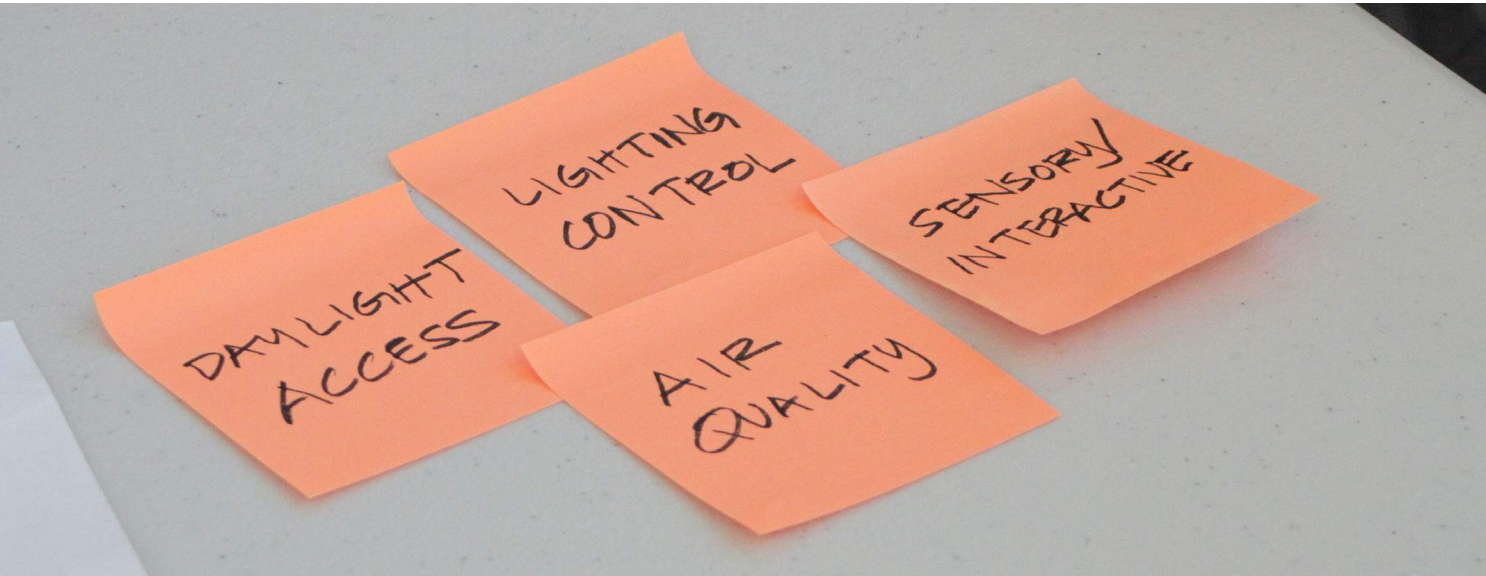
Nick Mason, Emcee
Marketing Coordinator, Perkins&Will



Born in Cincinnati, Ohio, Nick brings the spirit of the Midwest to Los Angeles. Having previously worked in the advertising field as a graphic designer, he applies his unique experience to the Architecture industry. Nick currently serves the Perkins&Will Los Angeles studio as Marketing Coordinator. His responsibilities include proposal coordination and business development for his team’s Healthcare, Higher Education, and Commercial practices. Nick is also involved with several event planning committees including the ULI Los Angeles Chapter’s Urban Marketplace, and the always-fun AIA LA Healthcare Purposeful event.



Executive Summary: The Format



Opening Remarks and Panel Discussion

After an enthusiastic welcome by our MC, Nick, and an introduction to Purposeful 2024 in which Gary acknowledged the milestone of our sixth annual event with a brief review of past Purposeful events. Lydia then led our panel in a discussion of small scale care. The discussion covered what has become possible on a small/mobile scale and where the largest area of growth has been in the last 5 years. The panel expounded on the various types of care currently offered on this scale as well as the impact of electronic medical records and digital patient interfaces have had on the care being provided on small and mobile settings.

Panelists shared their dreams of what types of care they want to provide on this scale, pathology and lab results to patients in real time in a small or mobile setting was at the top of the panelist's lists. These dreams fed into the discussion around technology that doesn't currently exist but if it did would impact the ability to provide care in these settings. To analyze and diagnose on site and even print or generate medications to complete the loop of care for a patient were at the top of the Wishlist.

The panel concluded with a robust discussion of where this scale of care can go, we were all inspired with the discussion and sent our attendees into their charette bubbling with ideas.

Table Facilitators

Assigned to each table was a table host, or facilitator. By virtue of participation in past Purposeful events, the facilitators' task was to answer questions, encourage participation, keep the discussion balanced and moving forward, and orient the panelists to their table's ideas. Purposeful 2024's facilitators were:

- Gary Vilinsky
- Ken Downing
- Roozbeh Afzal
- Kevin Staten
- Brandon Guzman
- Jhiah Chang
- Charles Joslin

Charette Summary

This year we focused on small spaces, each table receiving a scaled drawing of a room (just a box, no windows, or doors, each group placed those as they wanted). The room sizes were 15'x20', 10'x12' and 8'x10'. From the data and the space provided the table created a program and space that they believed would best serve their given neighborhood.

Neighborhoods

In previous Purposeful events we have used personae and specific buildings to shape our charette designs and responses. This year we used neighborhoods each with its unique demographic and health outcome data. Some tables received the same neighborhood allowing the attendees to see how others interpreted the needs of the same community.

The committee wanted to represent the range of demographics present across the city and county of Los Angeles. The goal was to provide a variety of constraints to each table to support a range of responses. Many of the neighborhoods shared data, we saw high instances of asthma and diabetes in several neighborhoods, others had high levels of physical activity or low occurrences of cancer or cardiac diseases.

Each table was given one of the following neighborhoods:

- West Adams
- Long Beach
- Monterey Park
- Van Nuys
- Compton

Data Set

The planning committee utilized P+W's Precede tool to pull data for each neighborhood, the information showed demographics of the area and health related information. There were neighborhoods with high occurrences of heart disease and mental health issues among other health outcomes. The data provided informed each table's program and final design of the space.



Table Discussions

NEIGHBORHOOD: Van Nuys

SIZE: S (15' x 20')

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SIZE: S (15' x 20')

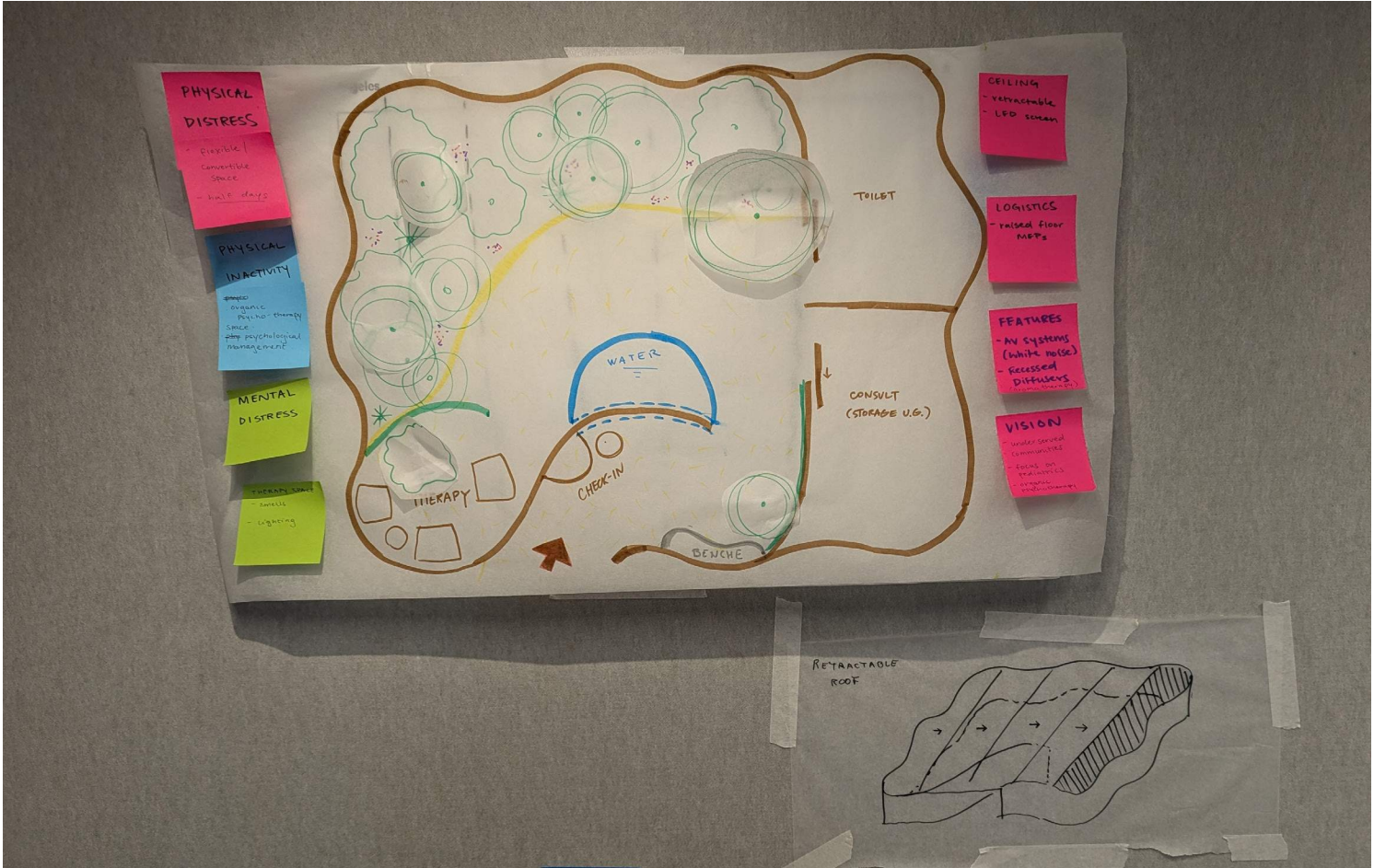


Table 1's design emphasized a dual approach, addressing both mental distress and traditional physical medicine, with a focus on pediatric care and underserved communities. The 12'x12' space featured a retractable ceiling with an integrated LED screen to create soothing environments, as well as customizable lighting and aromatherapy systems for therapy sessions. The flexible space was designed for half-day increments, with a raised floor to accommodate MEP systems and recessed diffusers, while an advanced AV system provided white noise for a calming atmosphere during treatments.

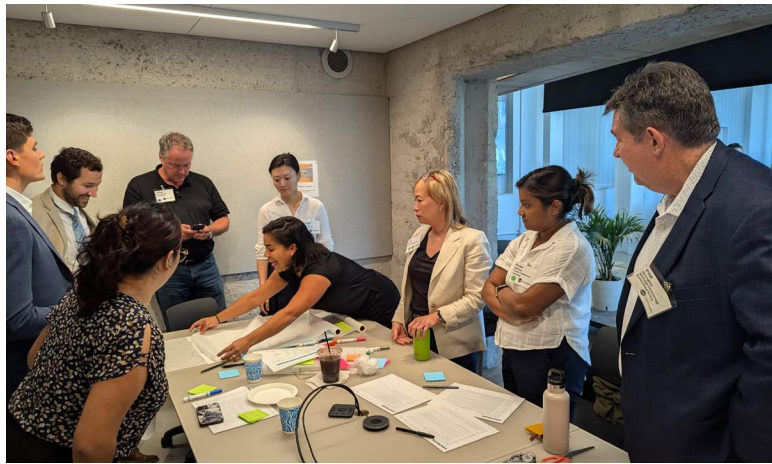


Table Discussions

Table 2

NEIGHBORHOOD: Monterey Park
SIZE: XXS (8' x 10')

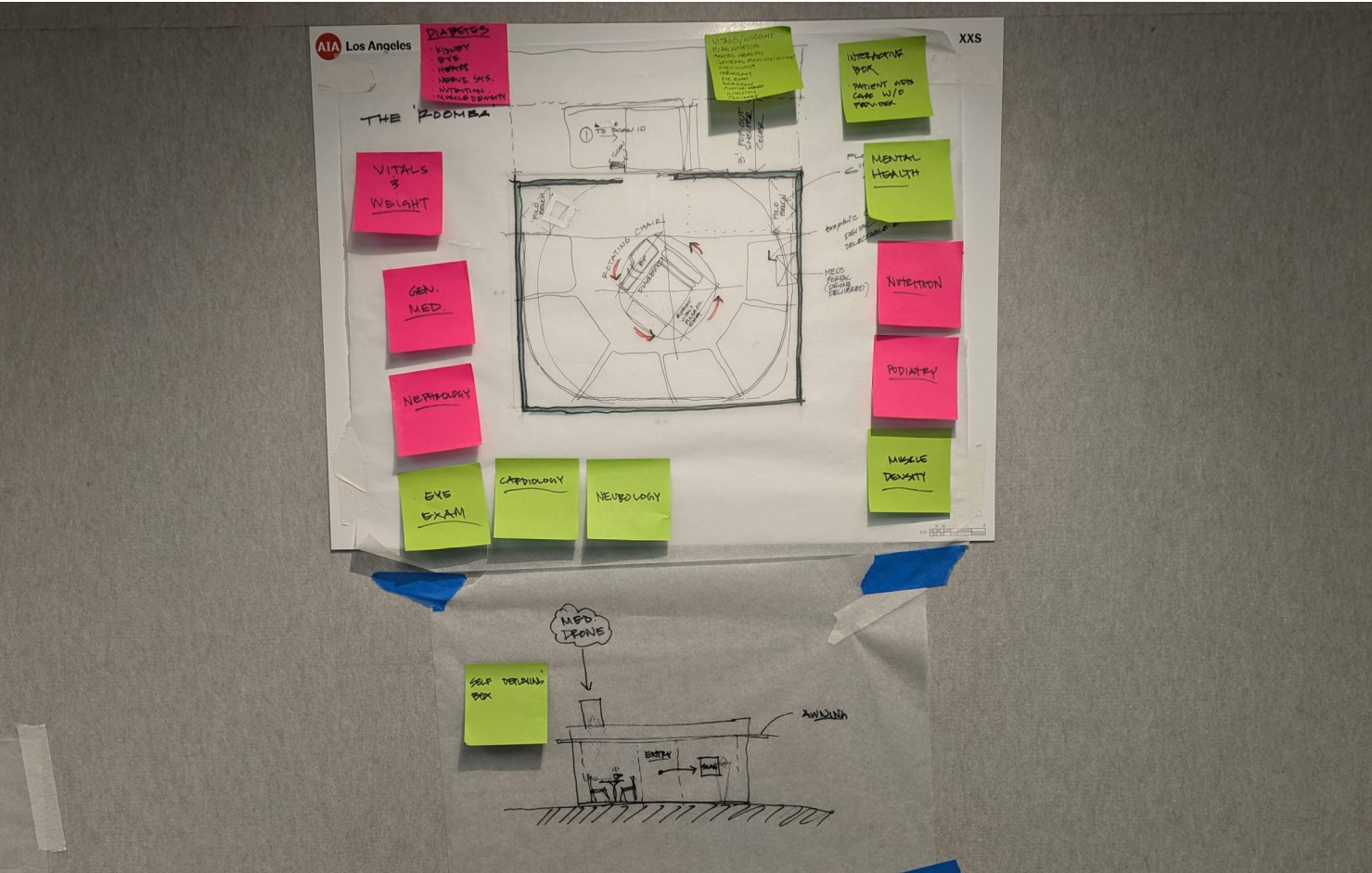


Table 2, titled the “Roomba,” was designed as a compact, rotating diagnostic hub, focusing on diabetes care and mental health. At the center of the room, a rotating chair allowed patients to be seamlessly repositioned for various services, including vitals monitoring, weight diagnostics, eye exams, and muscle density tests. The room also featured a portal for drone-delivered medicine and lab samples, streamlining care delivery and ensuring timely access to treatments and diagnostics for patients in need.



Table Discussions

Table 3

NEIGHBORHOOD: West Adams

SIZE: XS (10' x 15')

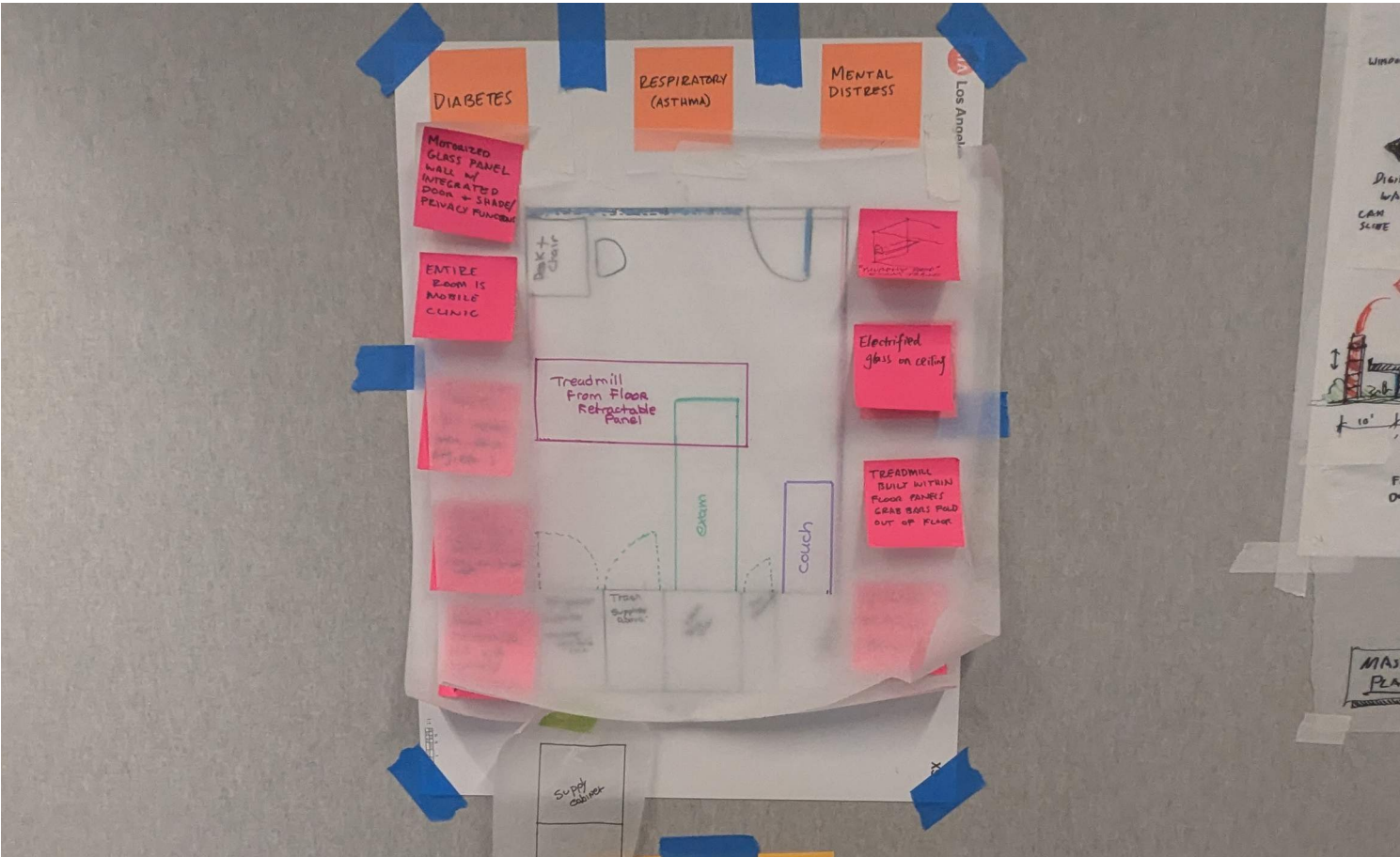


Table 3’s design focused on a healing environment for the West Adams neighborhood addressing mental distress, respiratory therapy, and diabetes treatment. They created a 10’x15’ room that had “murphy bed”-like wall panels that would come down from the wall depending on the patient’s needs; this included comfortable seating, an exam table, waste receptacles, fold out counters, and more. The rooms also had digital wallpaper to transform the space, so that the patient could feel like they are within any environment they so choose.



Table Discussions

Table 5

NEIGHBORHOOD: Long Beach
SIZE: XS (10' x 15')



Table 5 was designed as a “comfort lounge,” prioritizing daylight access, personalized lighting control, and enhanced air quality to create a soothing environment. It included a private exam room where a moving mirror panel doubled as an interactive screen for patient engagement. Patients received screenings and vitals from a dedicated staff member, while the system also performed mood screening and detection. The entire space was thoughtfully designed with ADA accessibility in mind, ensuring a welcoming and functional experience for all patients.



Table Discussions

Table 6

NEIGHBORHOOD: Compton
SIZE: S (15' x 20')



Table 6 leveraged its location in Compton, home to Serena and Venus Williams, by partnering with celebrities to build neighborhood trust and engagement with the health entity. The design created a welcoming space for the entire community, offering an enticing schedule of events, including “Talk-O Tuesday” for mental health discussions, “Total Health Thursday,” and “Weekend Wellness.” The room was highly adaptable, allowing for rearrangement to meet the needs of each scheduled event, whether it involved an exam table, X-ray, ultrasound, exercise equipment, or fingerprint scanning for InfoHealth, ensuring flexibility and comprehensive care.

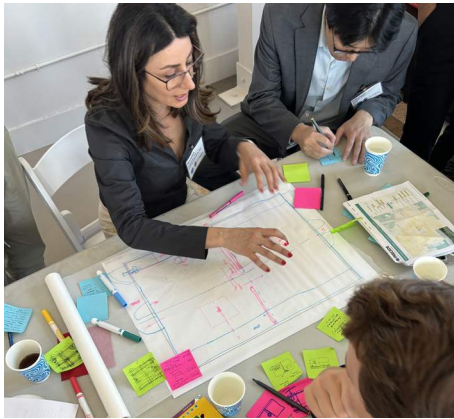


Table Discussions

Table 7

NEIGHBORHOOD: West Adams
SIZE: S (15' x 20')



Table 7 featured a turntable floor, enabling easy reconfiguration of the flexible space to accommodate various uses. The room included two small sub-rooms, “Refresh” and “Recharge,” equipped with lounge furniture where patients could relax while having their vitals monitored. A demonstration table provided hands-on lessons for healthy eating, while a display wall offered mental health tips. The ceiling design incorporated elegant curved indirect lighting with tunable light temperature, along with a clerestory window to bring in natural daylight, creating a calming and uplifting environment.



What We Learned

In Summary

Purposeful is all about a day to play, to have people innovate and push the boundaries to set aside the censoring thoughts and behaviors we have to engage on a daily basis. Purposeful 2024 shared insights from experts in small space care and technology on what's possible and where this style of care is going. We had 7 tables with a variety of roles from the AEC industry actively engaging in brainstorming, drawing and storytelling to develop a unique program for a small space to deliver quality care that is currently missing from their neighborhood.

As the panelists discussed the results of the charette, groups had the chance to share insights and specifics from their unique concepts and hear what the experts thought. Purposeful's goal is to drive change in the design and implementation of healthcare spaces.

Conclusion

To summarize the design ideas embodied in the work of Purposeful's attendees:

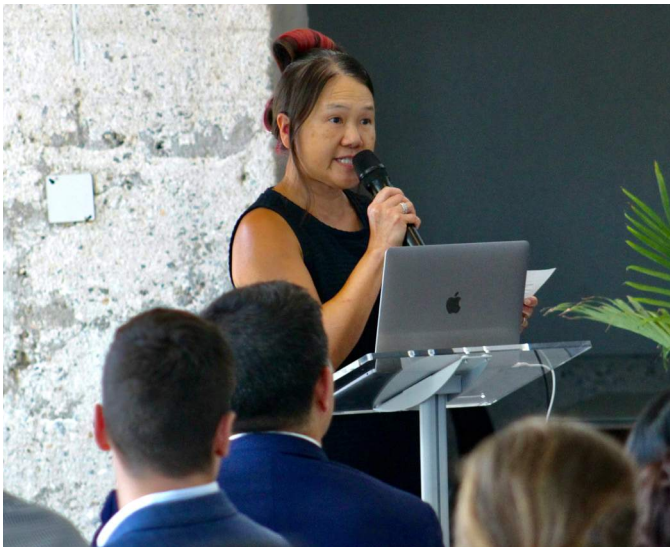
A container of limited size makes it especially important, but also easier to achieve and control the environmental experience: Think about the patient's state of mind and Distract, Entertain, and Engage to dispel anxiety and make the patient receptive to the experience of care

Distract the mind, entertain the emotions, engage the senses: apply design to features that serve all the senses, with lighting, acoustics, temperature, comforting contact surfaces, and yes, even aromas.

- Reflect the locality and the specific needs of those served
- Maximize use of technology, both mechanical and digital
 - Move the equipment, not the patient
 - Use all the surfaces
 - Enable features with the ability to serve multiple functions
- Give the patient agency to make choices
- In short, make the environment more than the function it houses

Then, when you've done all of those things, think beyond the episode of care and outside of the venue of care, to deliver follow up and integrate care into the community.

THANK YOU, AND THINK SMALL!



Acknowledgements

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