

HEALTH DESIGN RESEARCH PROJECT 2020



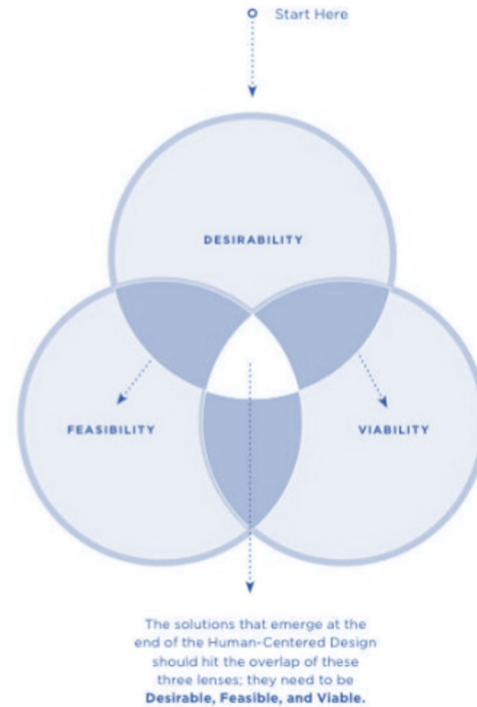
DREXEL UNIVERSITY
Dornsife
School of Public Health



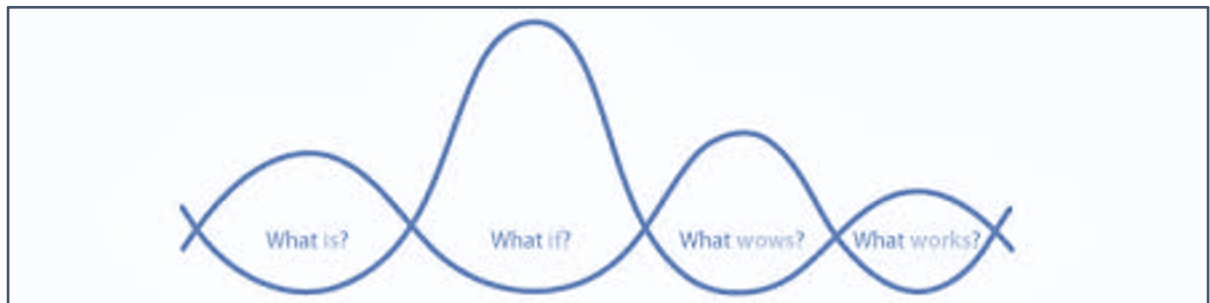
DREXEL UNIVERSITY
Westphal
College of Media Arts & Design
Design Research Graduate Program

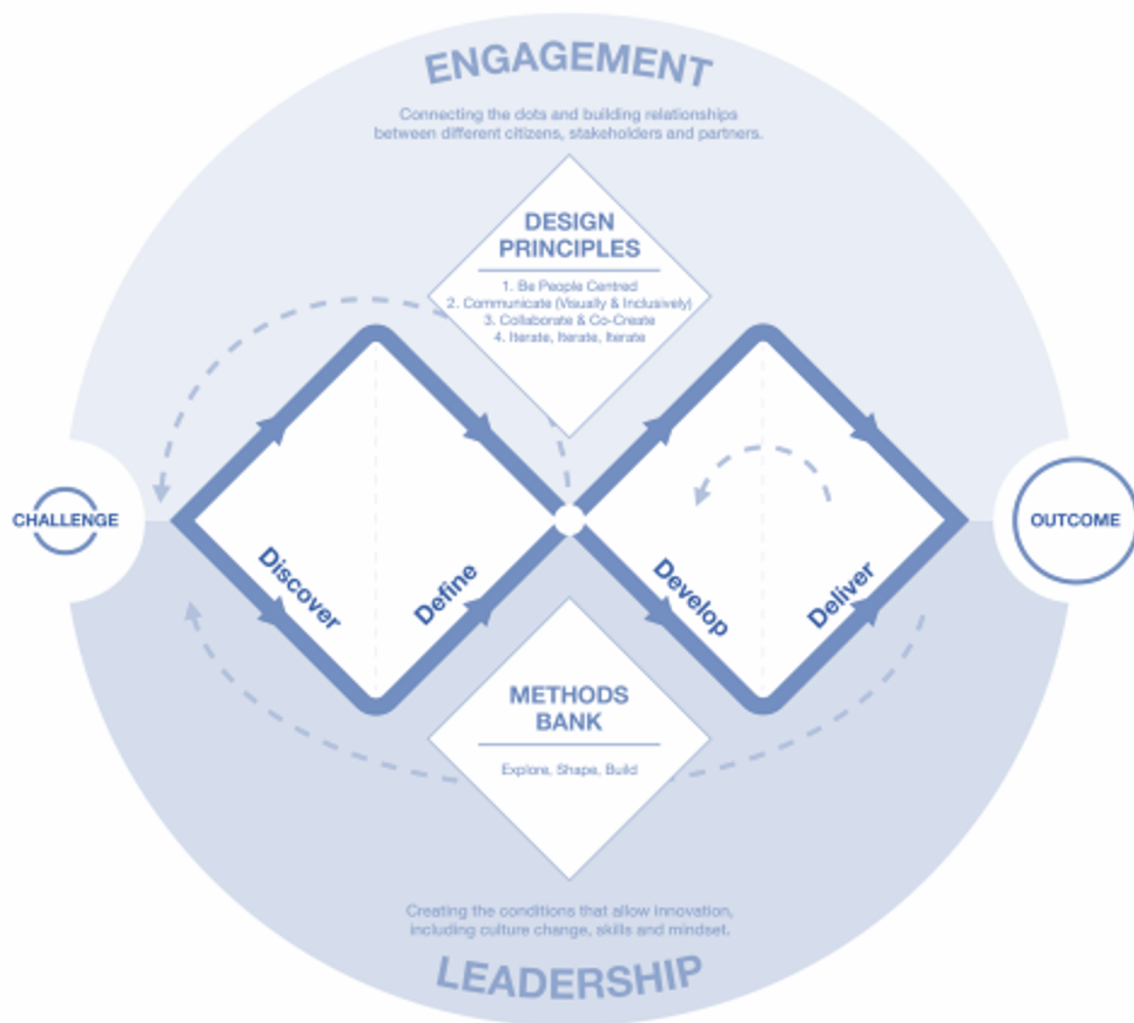
SCATTER**GOOD**
THINK|DO|SUPPORT

Design + Innovation Frameworks



Frameworks for innovation and human centered design thinking
Social determinants of health
and
Research driven problem definition





**FOUR
AREAS OF
INNOVATIVE
HEALTH AND DESIGN
PRACTICE**



1

Course

2

Partnerships

3

Research Projects

4

DISSEMINATION

Papers

Presentations

Events: symposium



OUR CORE VALUES

01 DESIGNING WITH DIGNITY

All people deserve their needs and lived experiences to be treated with respect and taken as the main lens in the design and research process.

02 DESIGN THINKING AND INNOVATION FOR HEALTH

Shared frameworks in our process include “Deep” design thinking and social determinants for health. The group works to educate and inculcate others into their interprofessional process

03 COLLABORATIONS

The Health and Design Research group works to build strong interprofessional collaborations over time with community care providers. We aim to inculcate students in the Design and Health professions in interprofessional collaborative best practices.

04 EQUITY AND ACCESS

Our work is predicated on opening equity and access to those that need it most.

05 SERVANT LEADERSHIP

We seek to serve our stakeholders, our model of leadership is collective and driven through a culture of care.

06 RADICAL HOSPITALITY

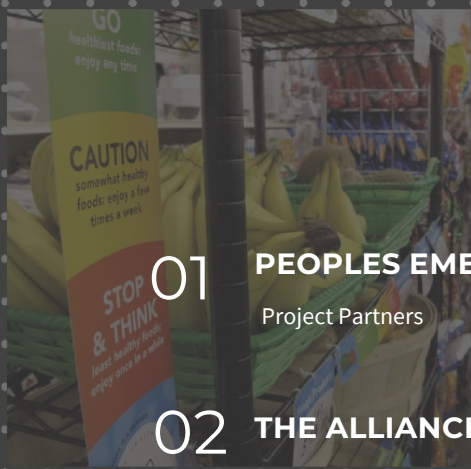
The most design for those with the least: those with the least means should have the most design and resources to create hospitable environments. Trauma informed design is a part of this value.



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FOOD SCARCITY

“HOW CAN WE INCREASE ACCESS TO HEALTHY AND AFFORDABLE FOOD OPTIONS FOR AT-RISK POPULATIONS?”



01

PEOPLES EMERGENCY CENTER

Project Partners

02

THE ALLIANCE CSP

Topics, events, and advocacy



Partners

06

PHMC

Expert interviews; project input; community connecting

07

CENTENNIAL X

CO-design, tactical urbanism



08

Penn Medicine Center for Health Care Innovation

CO-design, Design Sprints, Advocacy

09

RISE Philadelphia

Project Partners

10

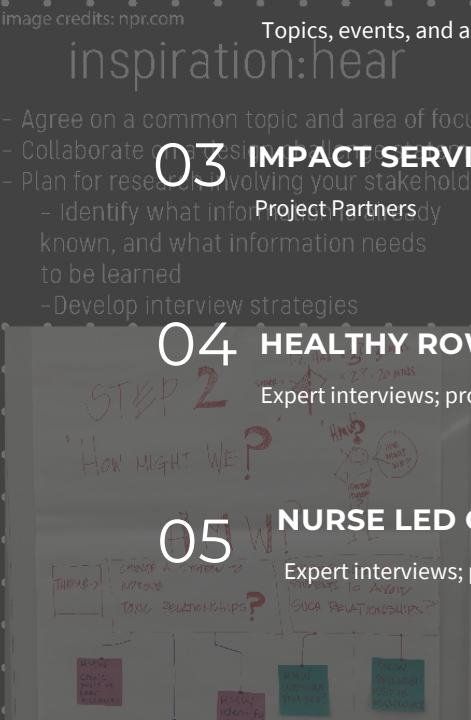
Drexel Writers' Room: HOME

Project Partners

11

FAIMER

Topics, events, and advocacy



03

IMPACT SERVICES

Project Partners

04

HEALTHY ROWHOUSE

Expert interviews; project input; community connecting

05

NURSE LED CARE CONSORTIUM

Expert interviews; project input; community connecting

deep dive

– Conduct a variety of interviews with different sources

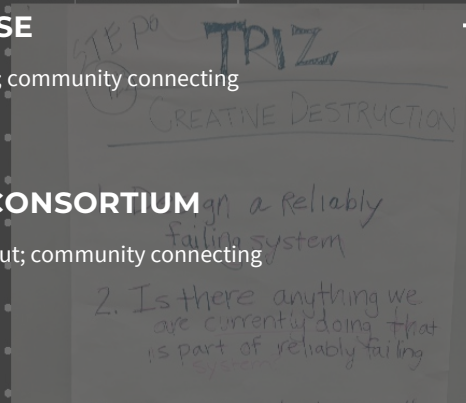
individual

group

expert

– Take notes, audio recordings and pictures if possible

– Be respectful and empathetic



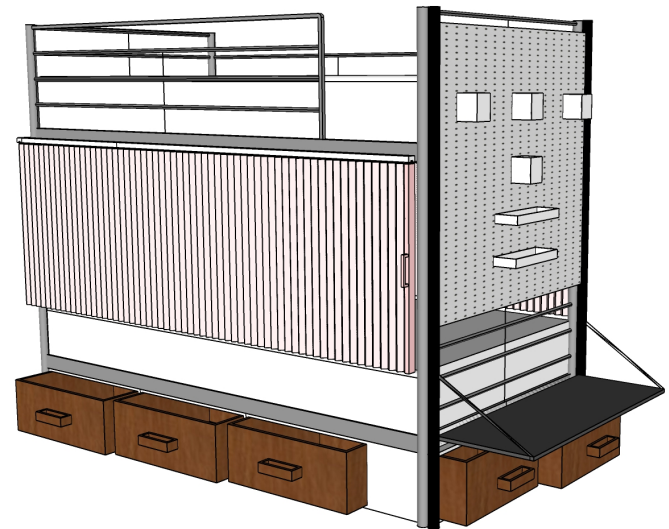
PROBLEM
LARGE POPULATIONS
AREAS, COMMUNITIES
MADE HEALTHY
CAN BE ACHIEVED
EXPENSIVE
MASS PRODUCTION
AFFORDABLE
NOURISHING

SYNTHESIS
METHOD TALKING
PHASES: HYPOTHESIS
IARIZED OR
WHERE WE
LEARN ABOUT
DEEP DIVE
SORTED THROUGH
STANDING

Health & Design Research Course



Better Bunk



Better Bunk

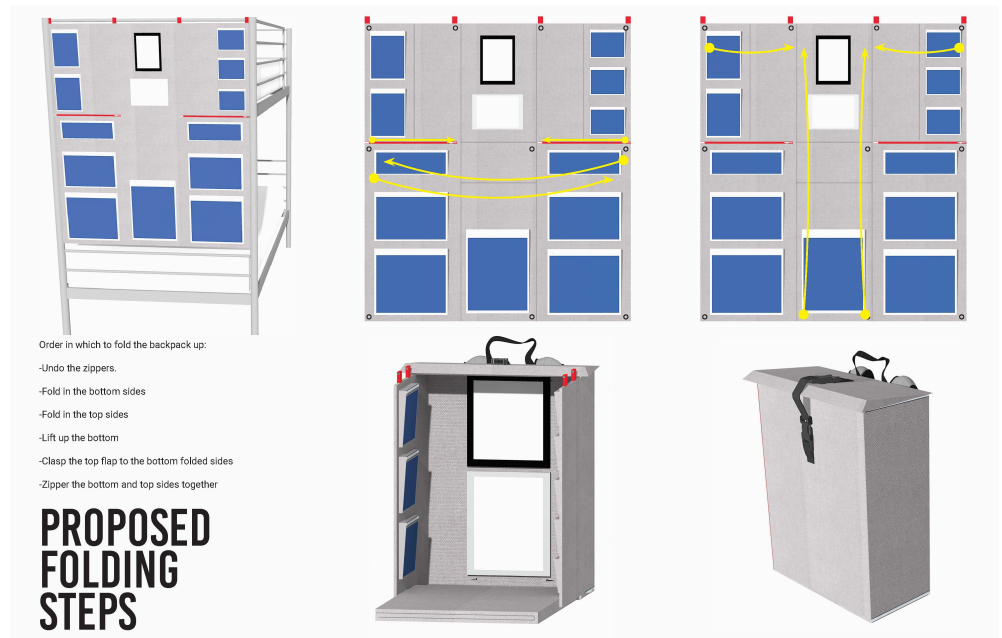
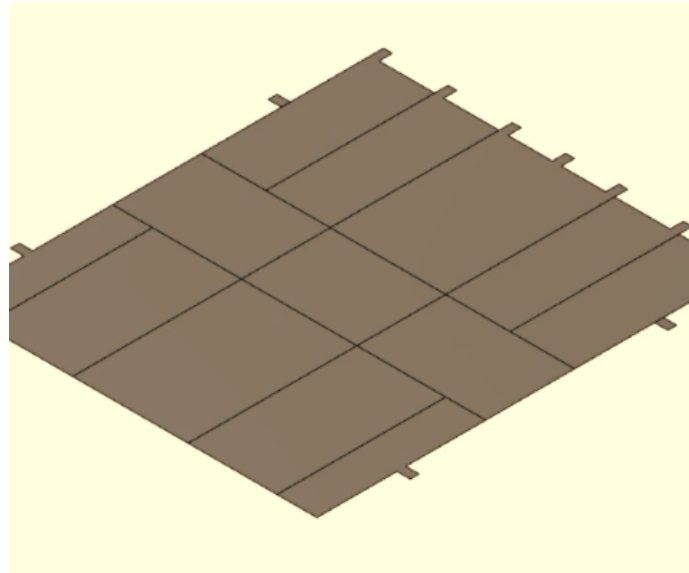


**CURRENT
PROTOTYPE**

Better Bunk

Next steps:

- Gamification
- Irb study
- Product development



Impact Services

IMPACT SERVICES

Pool Room Layout

Abreu, Scally, Kantipuly

PROJECT OUTLINE

Mini Pilot
05/2019

Problem Statement
Solution Rationale

Mini Pilot Goal
& Methodology

Findings

Finding Implications

PROBLEM STATEMENT

The Residents living in Impact Services Housing require a social and physical environment which facilitate and encourages engagement with their community.

SOLUTION RATIONALE

The better use of communication and the utility of communal spaces will increase the level of resident engagement

Design Research Symposium



Design Resources for Homelessness
University of Westphal
College of Architecture & Design

**LEVERAGING
THE POWER OF DESIGN FOR
PEOPLE IN CRISIS**

JOIN US FOR

**JILL
PABLE**


LECTURE

**MON
13
MAY**

URBN CENTER
ROOM: URBN 120
5:30 PM

URBN Center
3501 Market St
Philadelphia PA

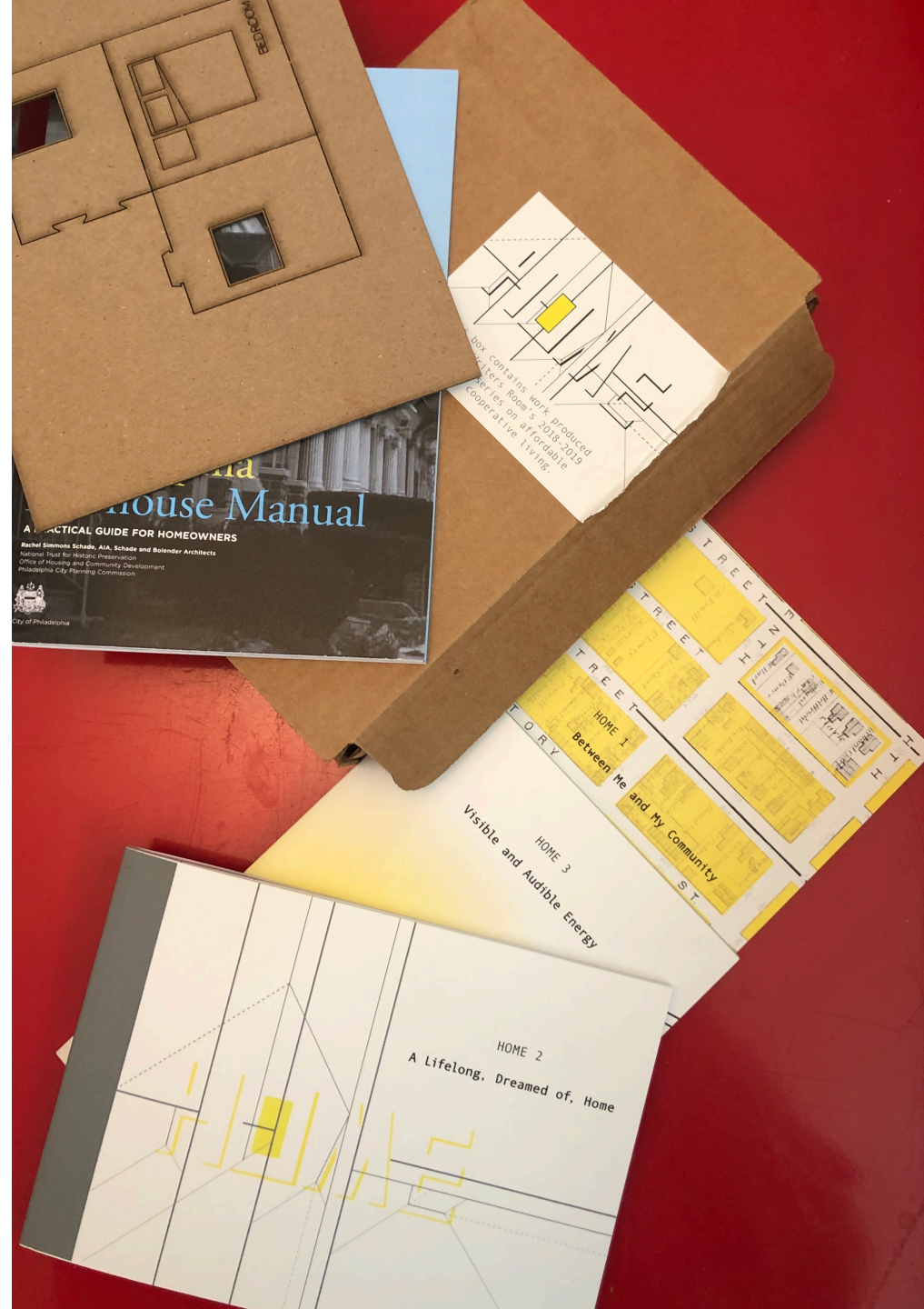
FOUNDER//
Design Resources for Homelessness



scholarship

- 2018 Michael Yvonne, Nicholas Diana; (2018) "Designing with Dignity: health and design research for underserved communities" The Plan Journal: Designing for Impact Spring 2018
- 2017 Nicholas, D., Townsend, K., & Michael, Y. (2017). Designing with Dignity: Social determinants of health and design research. The Design Journal, 20(sup1), S2238–S2246.
<https://doi.org/10.1080/14606925.2017.1352740>
- 2019 Nicholas Diana.; Stein, Samantha; Giordano; Kristen; Nguyen, Thanh; and Michael, Yvonne. (2019). Map the gap: iteratively bridging theory and practice to address housing insecurity in the urban environment. In Architecture Research Centers Consortium: Praxis 2019, Toronto (Pp. 276-287)
- 2019 Stein, S., Nicholas, D. S., Michael, Y., Nguyen, T. M., & Giordano, K. (2019). Integrating Practical and Epistemic Actors: Co-Constructing a Knowledge Organization System to Address Housing Insecurity in West Philadelphia. Advances in Classification Research Online, 29(1), 30–34.
<https://doi.org/10.7152/acro.v29i1.15465>
- 2018 Nicholas Diana.; Stein, Samantha, & Nguyen, Thanh; and Michael, Yvonne. (2018). Health Design Research and Housing Insecurity: Design, Dignity, and Community. In EDRA 49: social equity by design. (Vol. 1, pp. 148–150). MADISON: ENVIRONMENT DESIGN RSRCH. Retrieved from <https://www.edra.org/Login.aspx>
- 2018 Nicholas, Diana, Stein, Samantha, Nguyen, Thanh, Krespan, Elise, Tracy, Dylan, & Michael, Yvonne. (2018). Health Design Research Innovation Project. In ARCC Conference Proceedings (Vol. 1, pp. 256–264). Philadelphia: Architectural Research Centers Consortium. Retrieved from http://www.arcc-arch.org/wp-content/uploads/2018/09/2018-Proceedings-Volume-1_UDI-1.pdf
- 2018 Nicholas, Diana; Michael, Yvonne; (2018) "Health Design Research and Housing Insecurity: Design, Dignity, and Community" 2018 Environmental Design Research Association: Social Equity by Design: Designing Through Community; conference proceedings
- 2017 Nicholas, Diana; Townsend, Kiera; Michael Yvonne. (2017) "Design research and Social determinants of Design" EAD: Rome 2017 What is Design for the Next? and what is the 'Next' focus of Design?

Public Presentations



Team Moving forward



Thank you!