



Community Wellness:
**Coming Soon to a
Neighborhood Near You.**

MEET YOUR **TEAM**



Carol Huber, DrPH
Deputy Chief Public
Health and Equity Officer
University Health



Geof Edwards
CEO
Alta Architects



Craig Puccetti
Principal
BSA LifeStructures



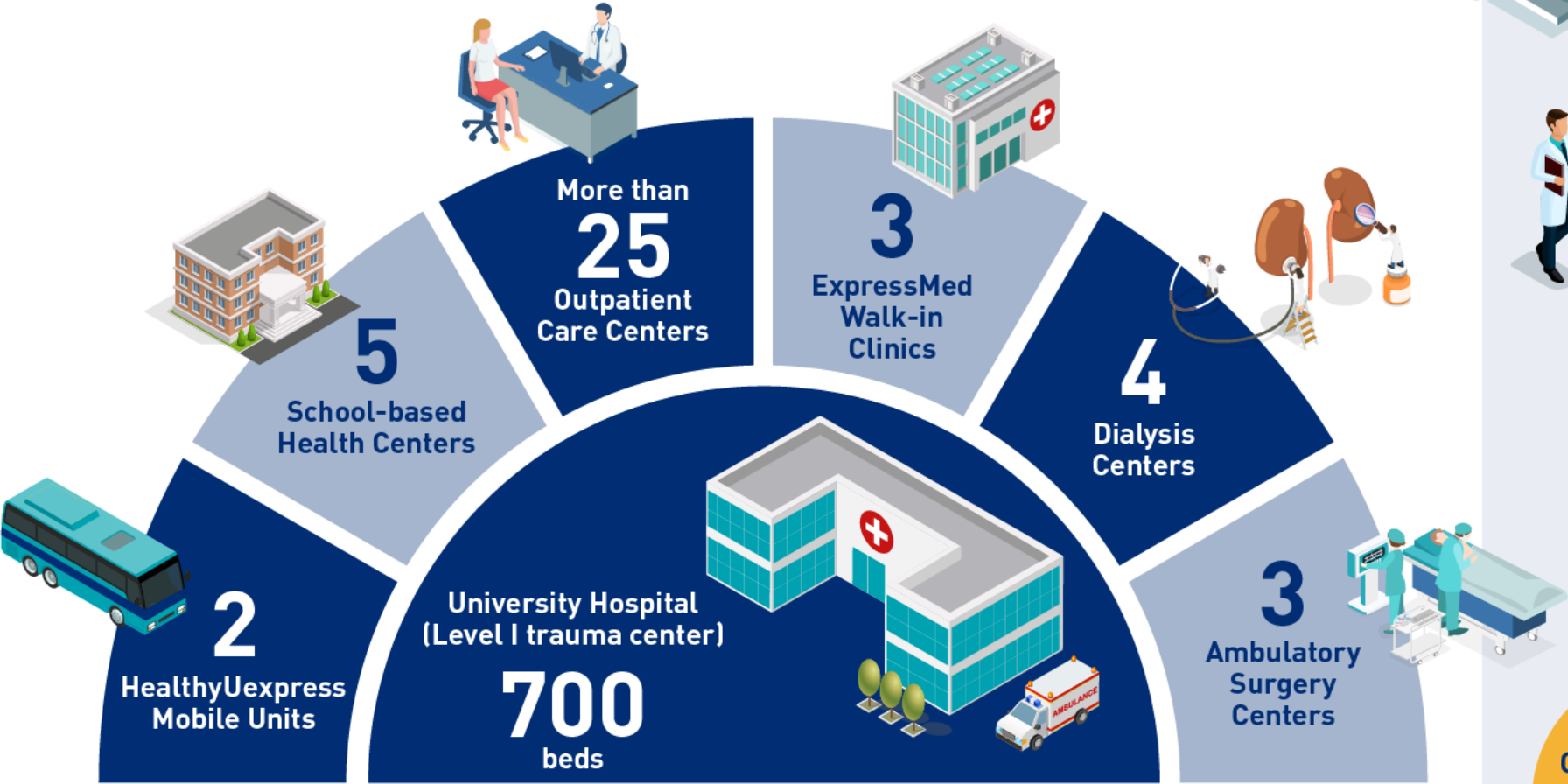
Wendy St. John, RN
Healthcare Operational
Planner
BSA LifeStructures



HEALTHCARE
FACILITIES
symposium and expo

WHO WE ARE...

COMPREHENSIVE NETWORK



97

Year Old Firm
Established in 1927

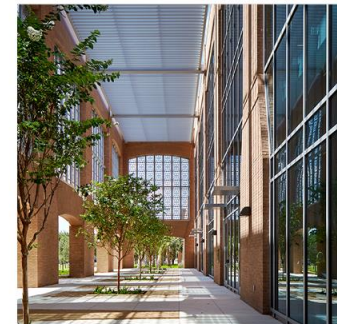
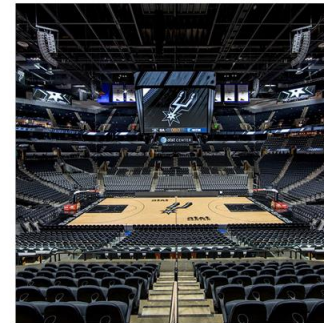
San Antonio, Texas
Based Architects

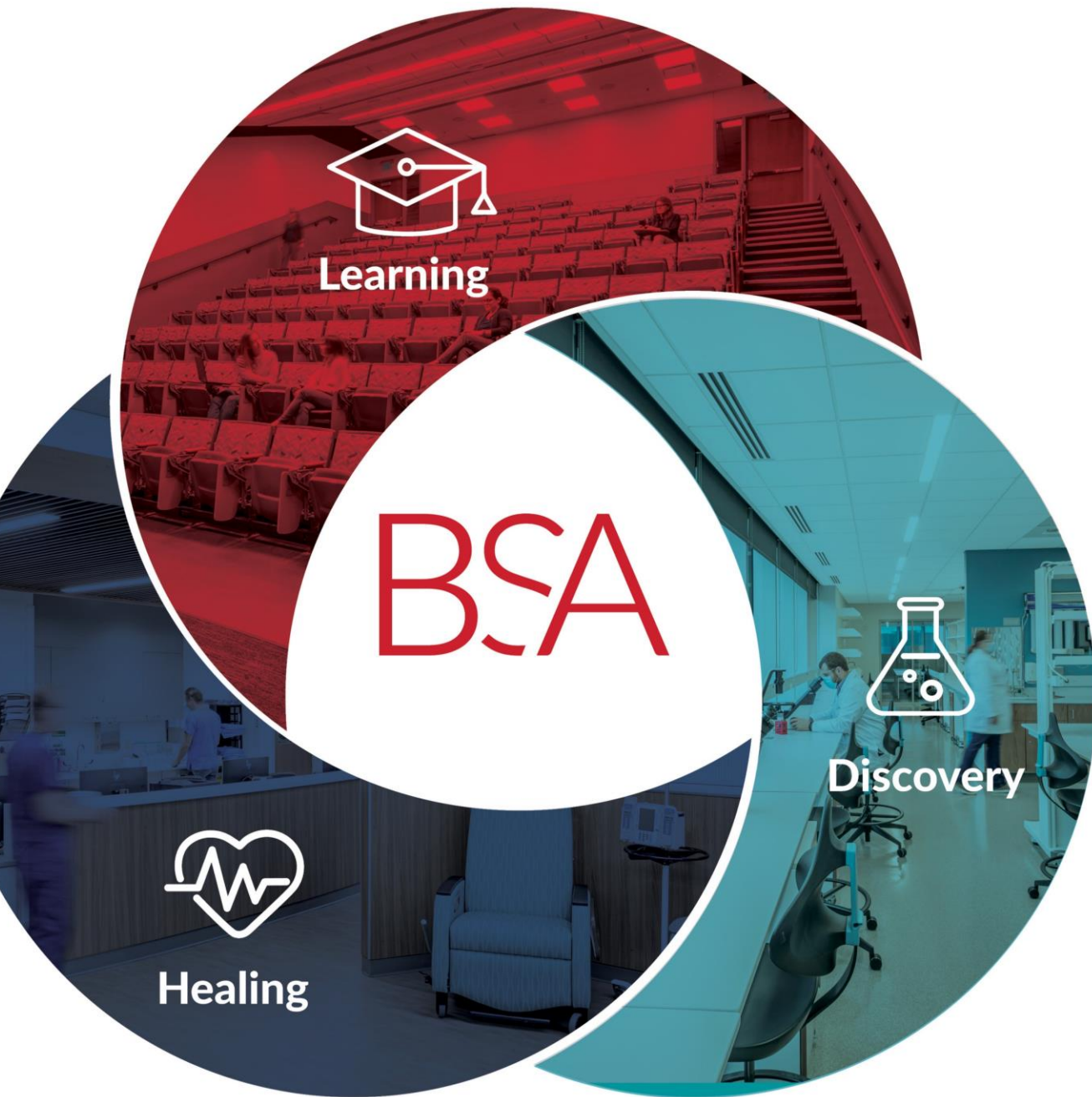
One of the Largest
Minority Owned
Firms in Texas

Culturally Driven Design

173

Design Awards





1975

YEAR BSA WAS
FOUNDED

6

STUDIOS
NATIONWIDE

AUSTIN | DENVER |
INDIANAPOLIS | RALEIGH |
ST. LOUIS | TAMPA

ARCHITECTURE
ENGINEERING
INTERIOR DESIGN
PLANNING

200

EMPLOYEE
OWNERS

LEARNING OBJECTIVES

PUBLIC HEALTH CHALLENGES

experienced by a large healthcare system and common social determinants that impact the community health and associated programmatic needs..

WIDE RANGE OF SERVICES

demand in these communities and how to approach the engagement of the Community to ensure alignment of needs and services.

DESIGN SOLUTIONS

being employed, target markets and long-range goals of promoting population health on a broader scale.

RELEVANT DATA & RESEARCH

for these type of public health facilities and need for a flexible design to support community wellness on a broader scale.

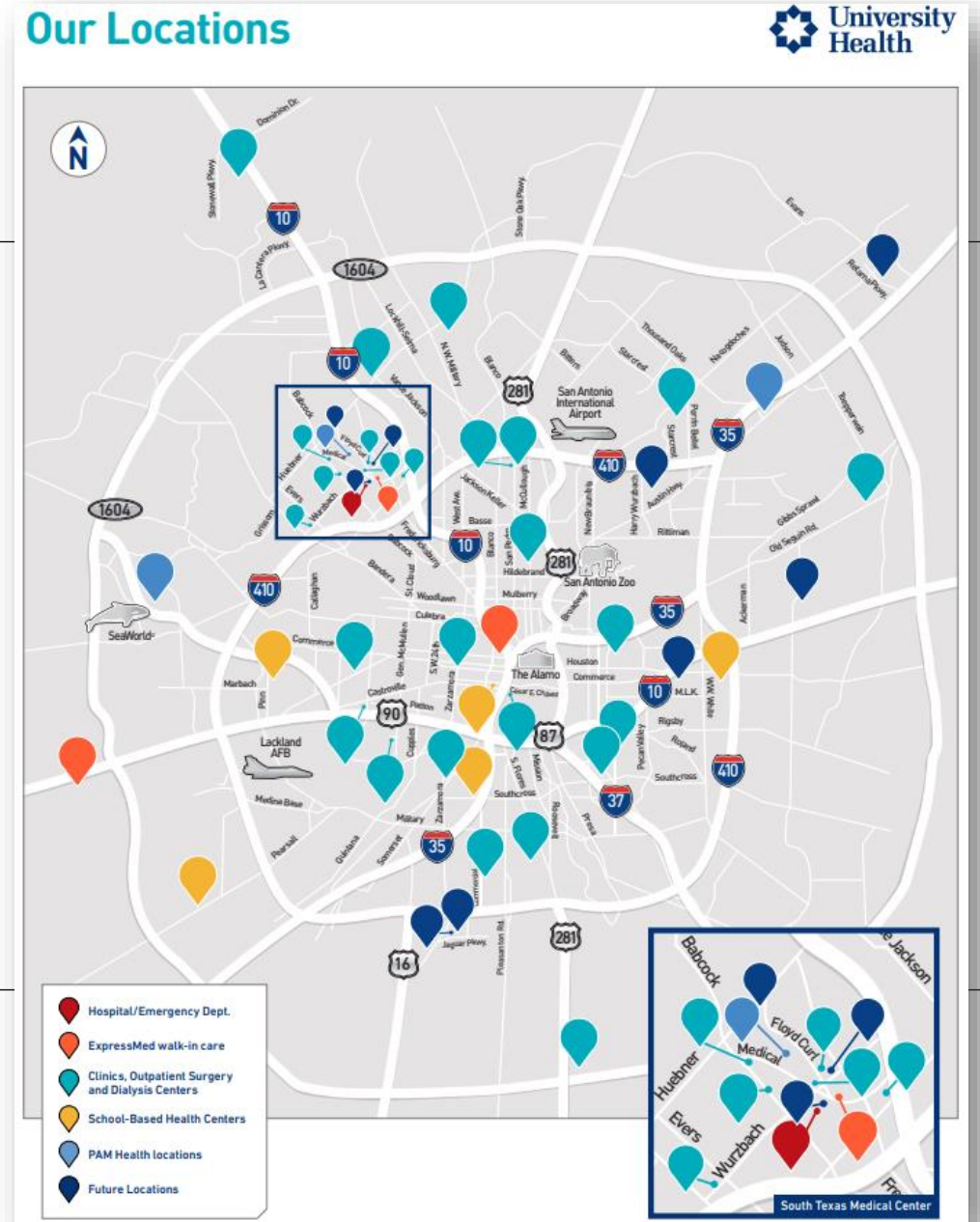


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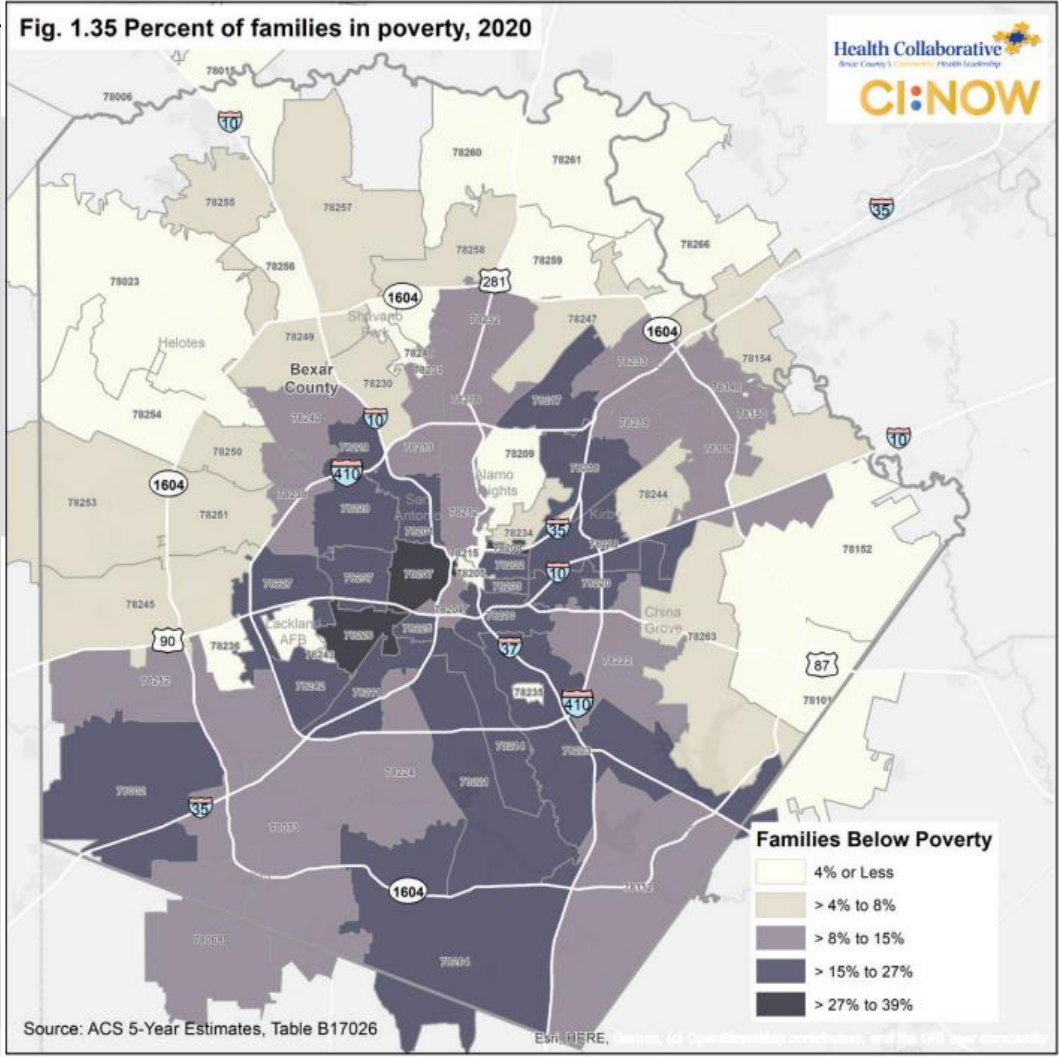
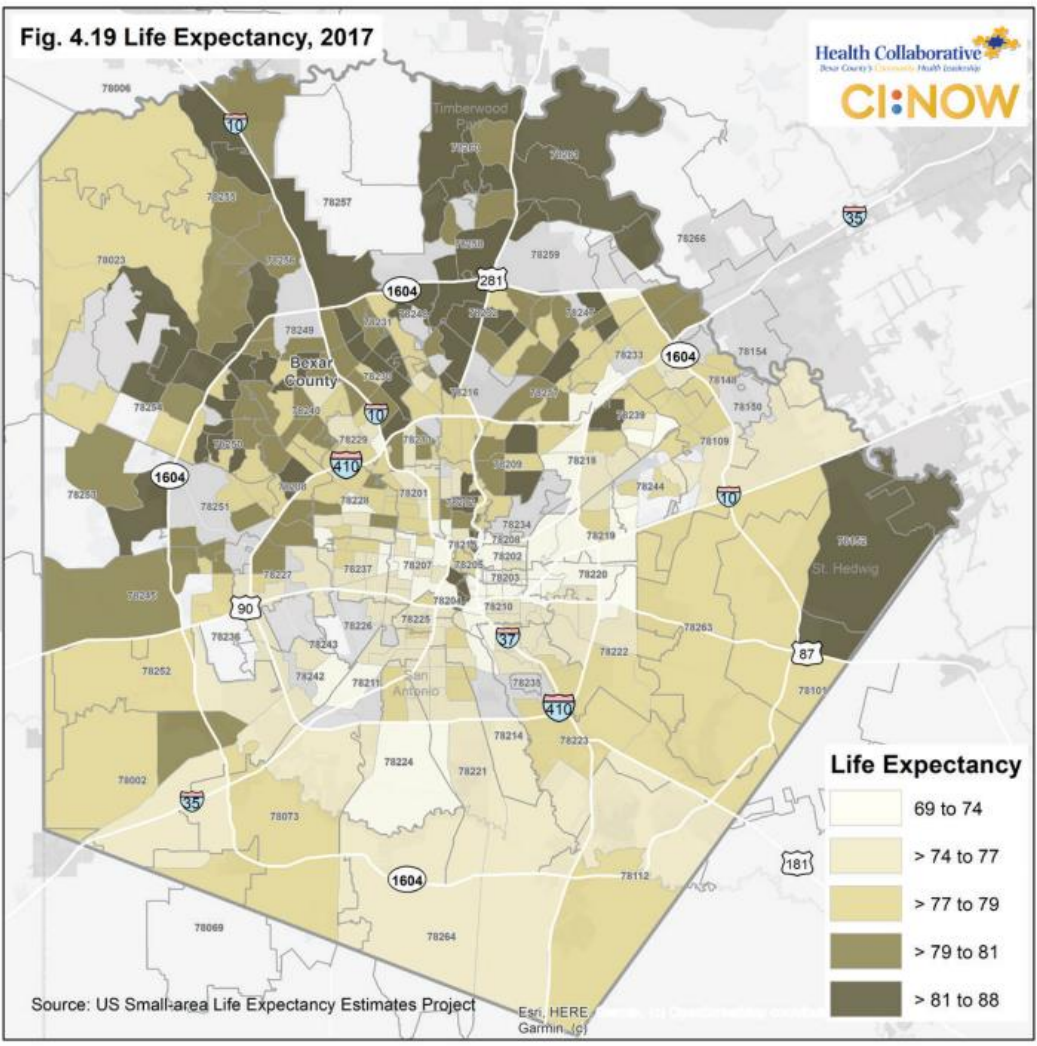




UNDERSTANDING THE COMMUNITY

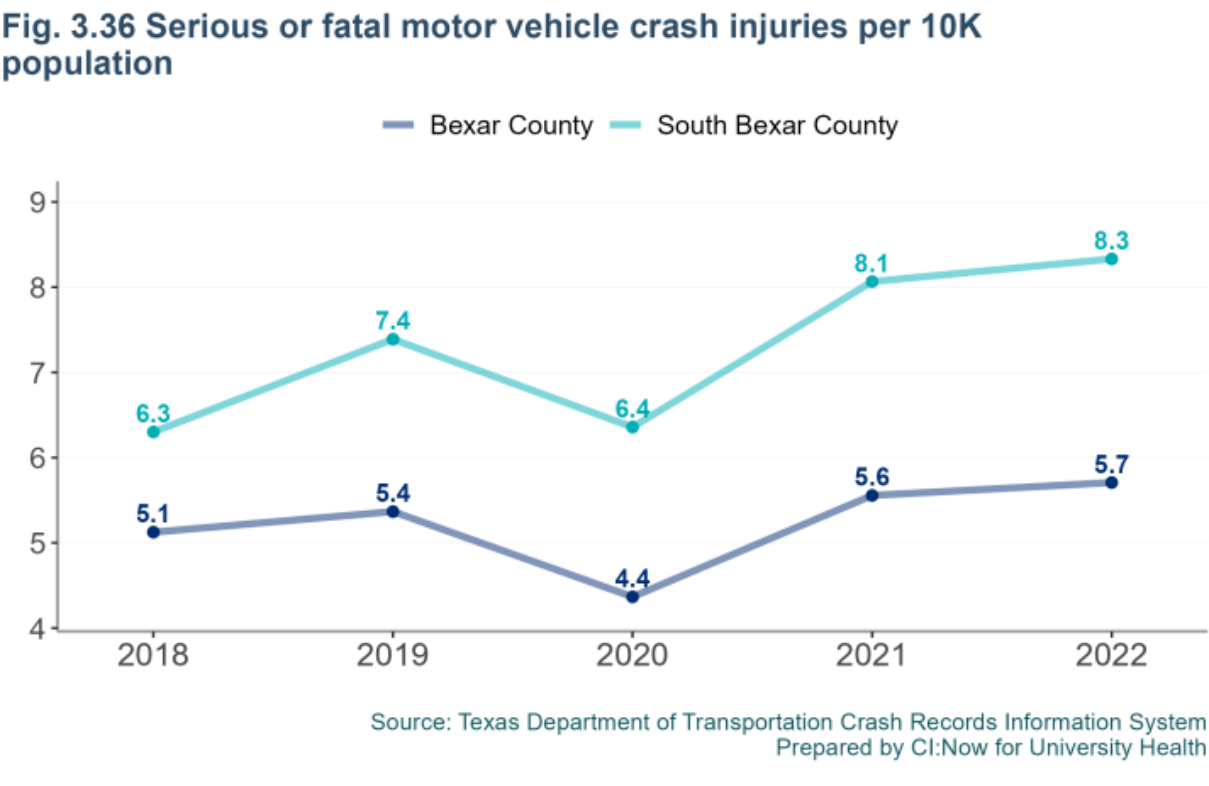


SIGNIFICANT HEALTH AND SOCIAL NEEDS IN OUR COMMUNITIES

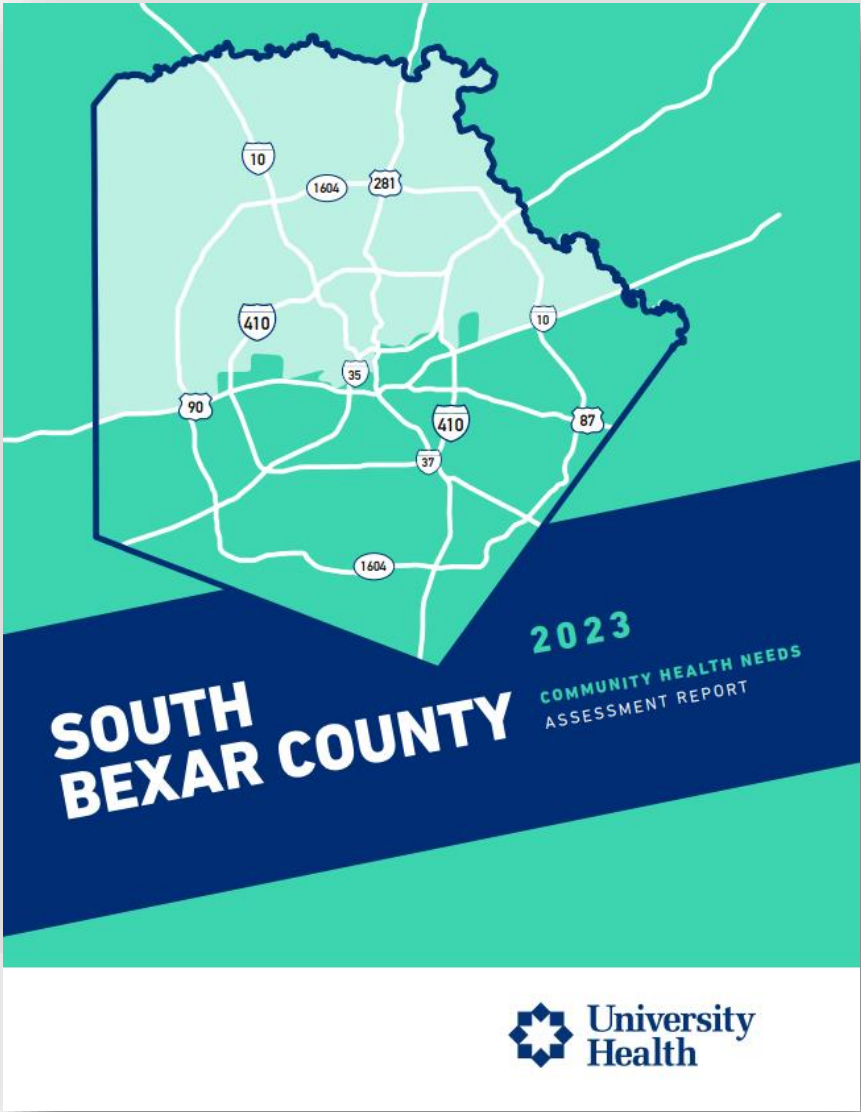


COMMUNITY HEALTH NEEDS ASSESSMENTS

Conducted to specifically compare the southern half of Bexar County to the entire county



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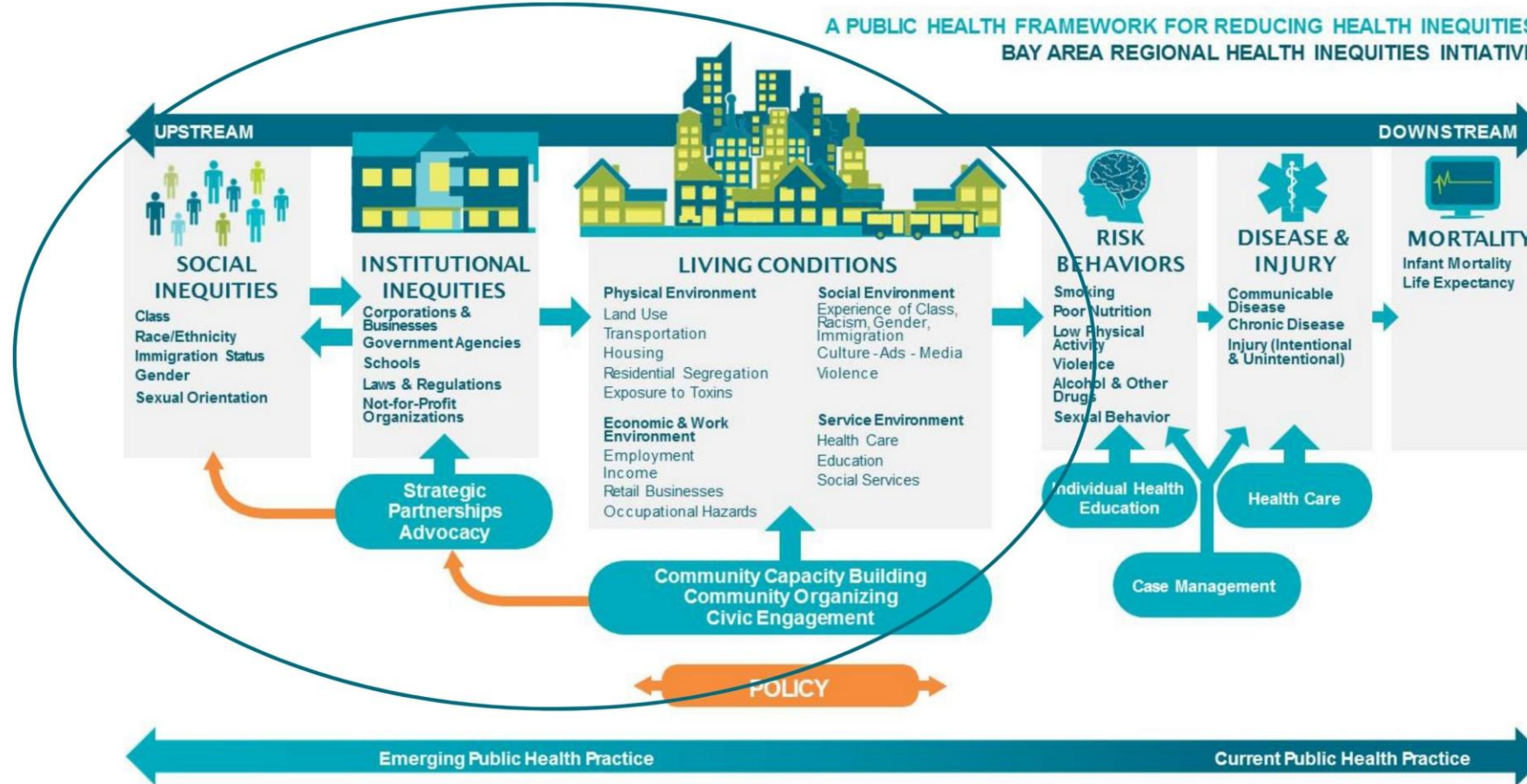
Source: Bexar Report 2023_11-27-23_v2.indd (universityhealth.com)

SOCIAL DETERMINANTS OF HEALTH



IMPROVING THE HEALTH OF OUR COMMUNITIES

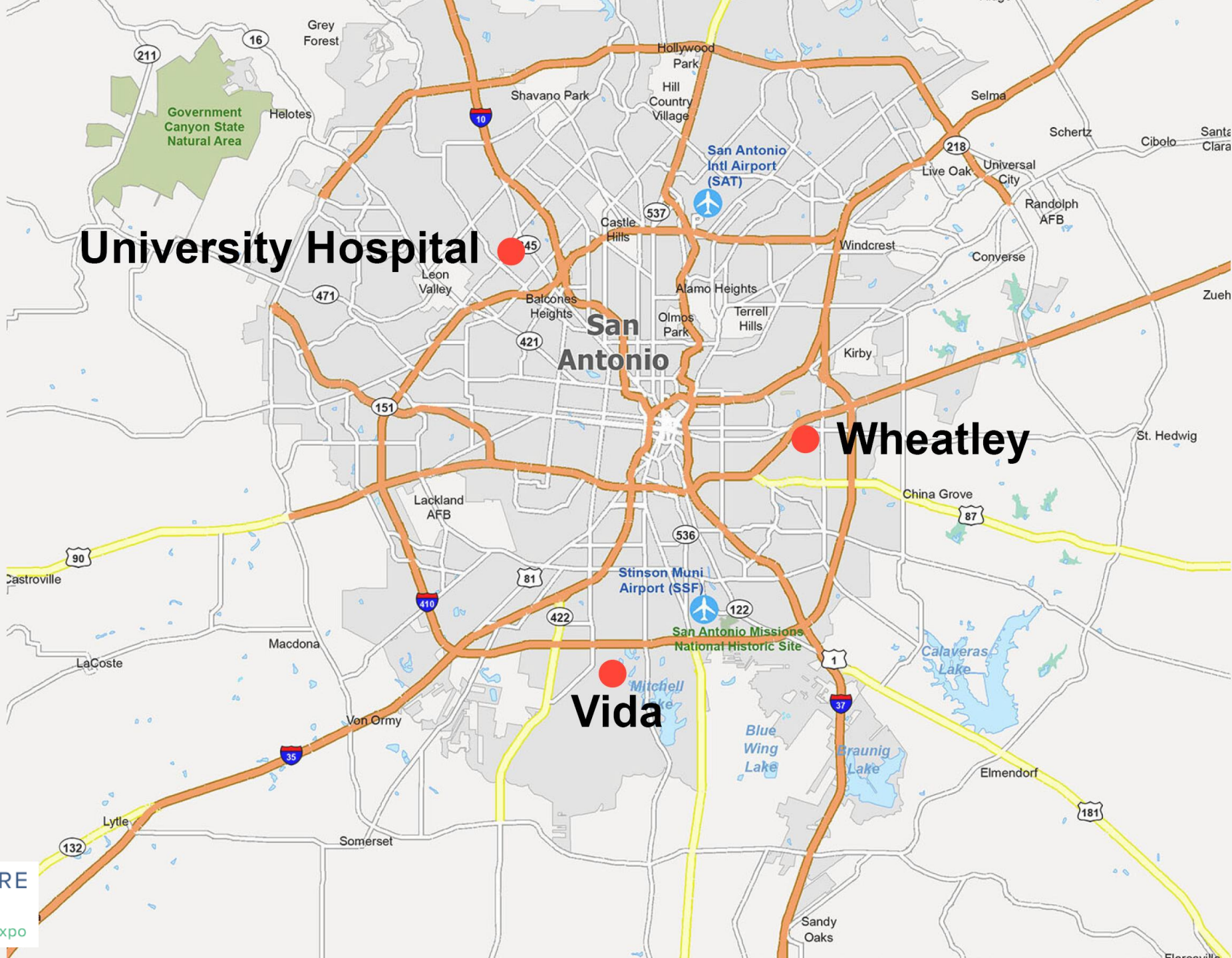
University Health focuses on “upstream” and “downstream”





DESIGNING FOR COMMUNITY

San Antonio, Texas



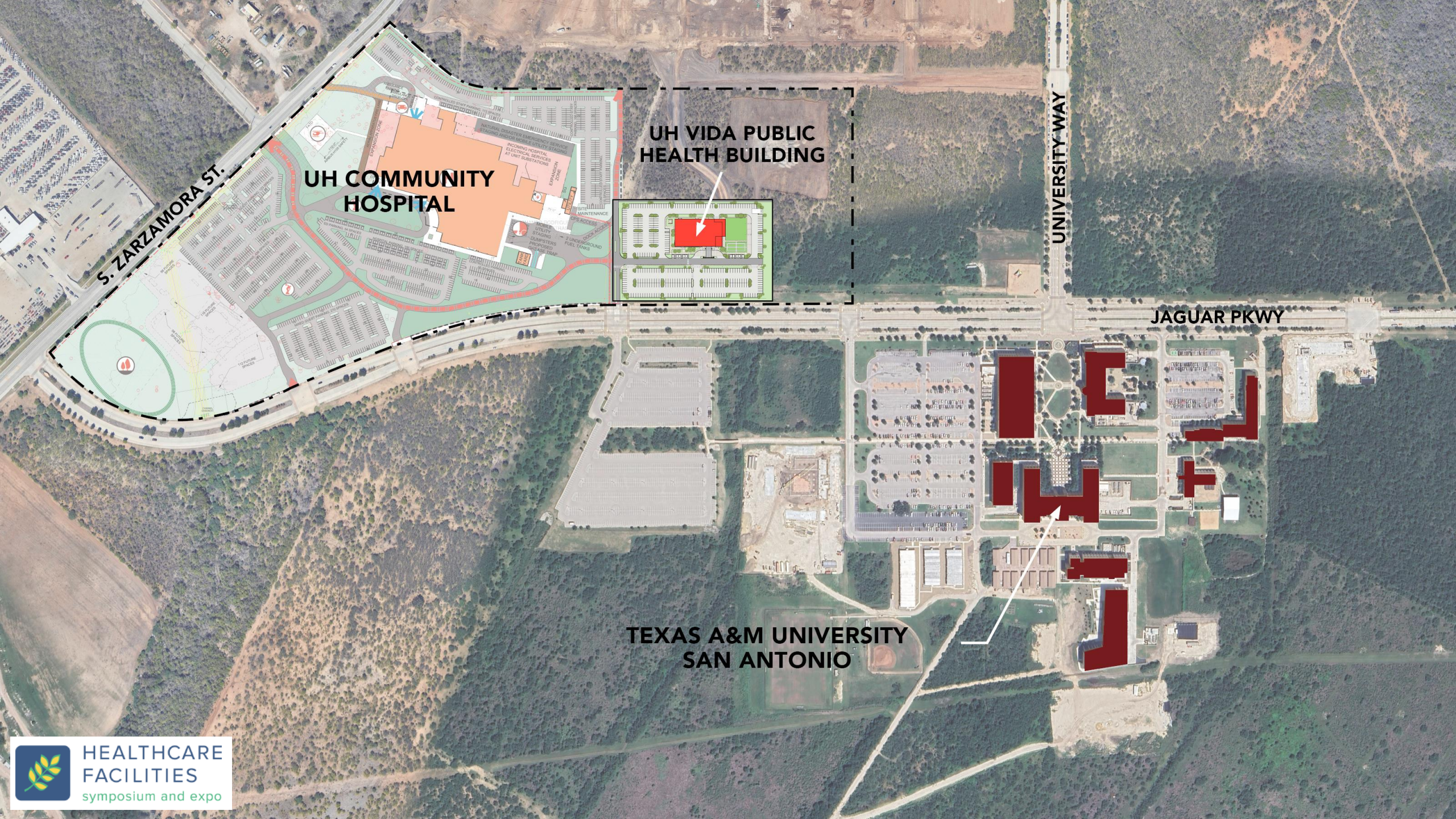


UNIVERSITY HEALTH WHEATLEY



Vida

UNIVERSITY HEALTH VIDA



UH VIDA PUBLIC
HEALTH BUILDING

UH COMMUNITY
HOSPITAL

S. ZARZAMORA ST.

UNIVERSITY WAY

JAGUAR PKWY

TEXAS A&M UNIVERSITY
SAN ANTONIO



VIA TRANSIT



Sources: Unknown

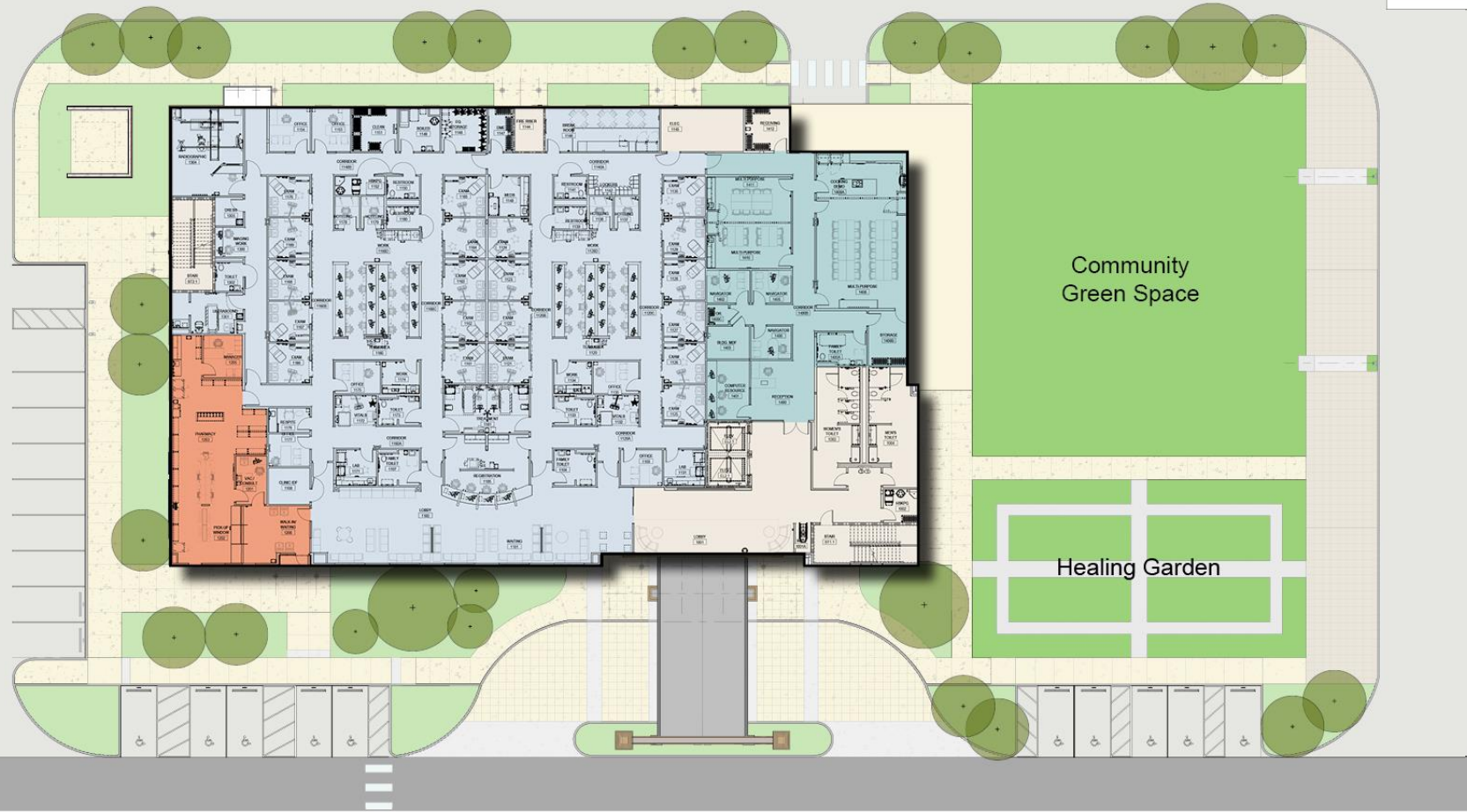


JAGUAR PARKWAY BIKE LANE

Source: Nicholas Olivier and Nadia Canales



PEDESTRIAN WALKWAYS



COMMUNITY SPACE





A black and white photograph of a construction site. A line of approximately 15 people, including men in suits and hard hats and women in work clothes, are standing in a row, each holding a shovel. They are positioned behind a concrete curb. In the background, a large CAT excavator is visible. The scene is set outdoors with trees and a clear sky. The text "PLANNING FOR COMMUNITY" is overlaid in large, white, bold, sans-serif capital letters across the center of the image.

PLANNING FOR COMMUNITY

DESIGN CONSIDERATIONS



MAINTENANCE



**COST & LIFE
CYCLE COST**



AESTHETICS



SAFETY



**COMFORT FOR
ALL**



**PRODUCT STANDARDS
& PERFORMANCE
REPUTATION**



REGIONALISM



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CONTEXT & INSPIRATION



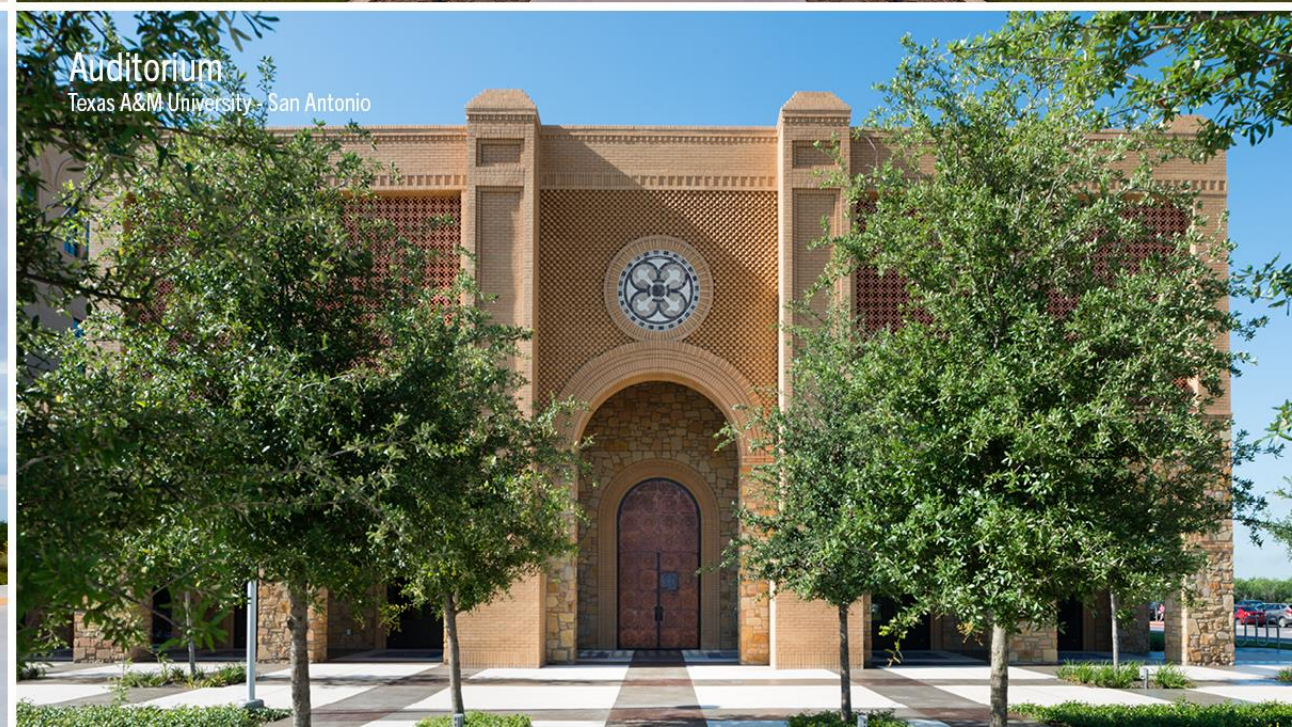
Frank Madla Building
Texas A&M University - San Antonio



Central Academic Building
Texas A&M University - San Antonio

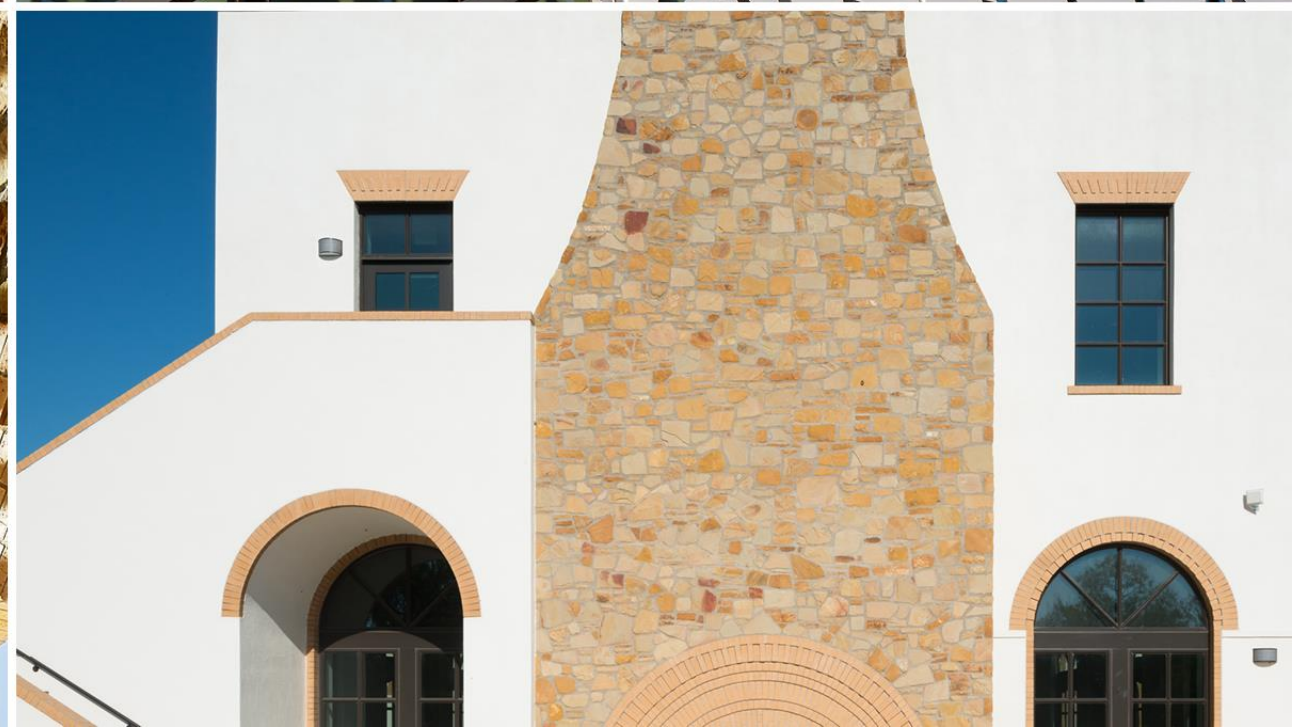
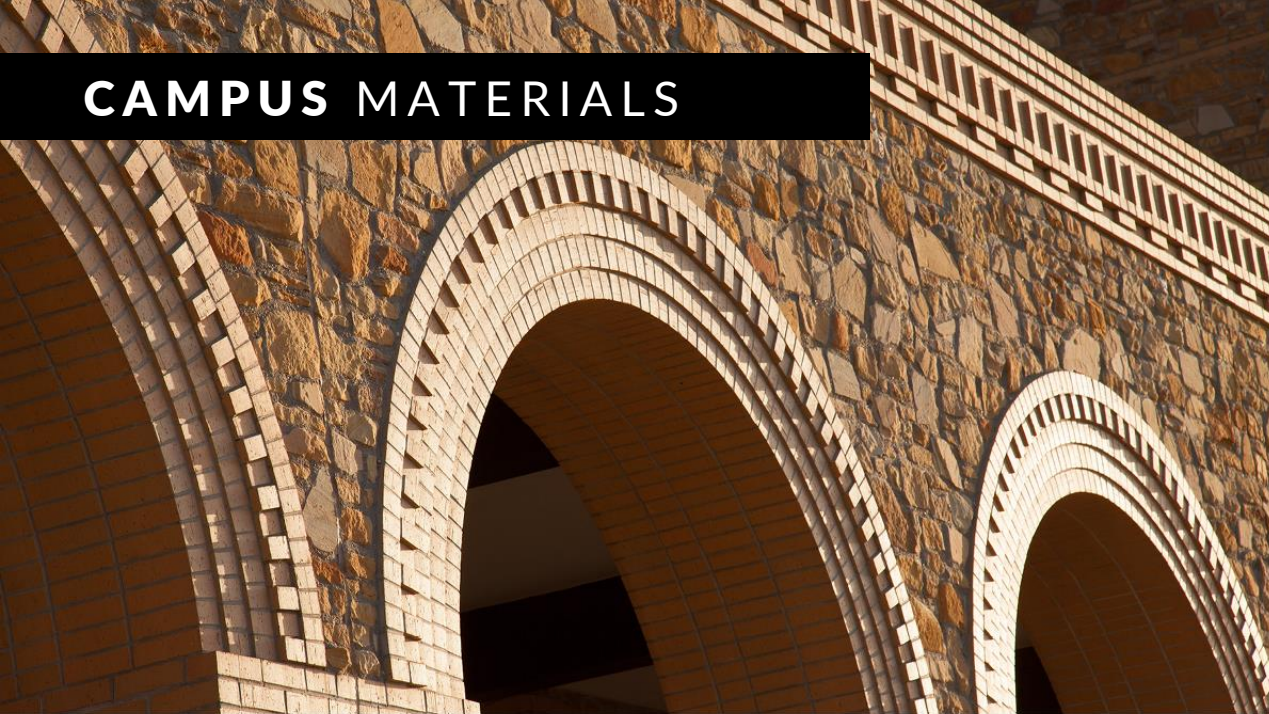


Patriots' Casa
Texas A&M University - San Antonio



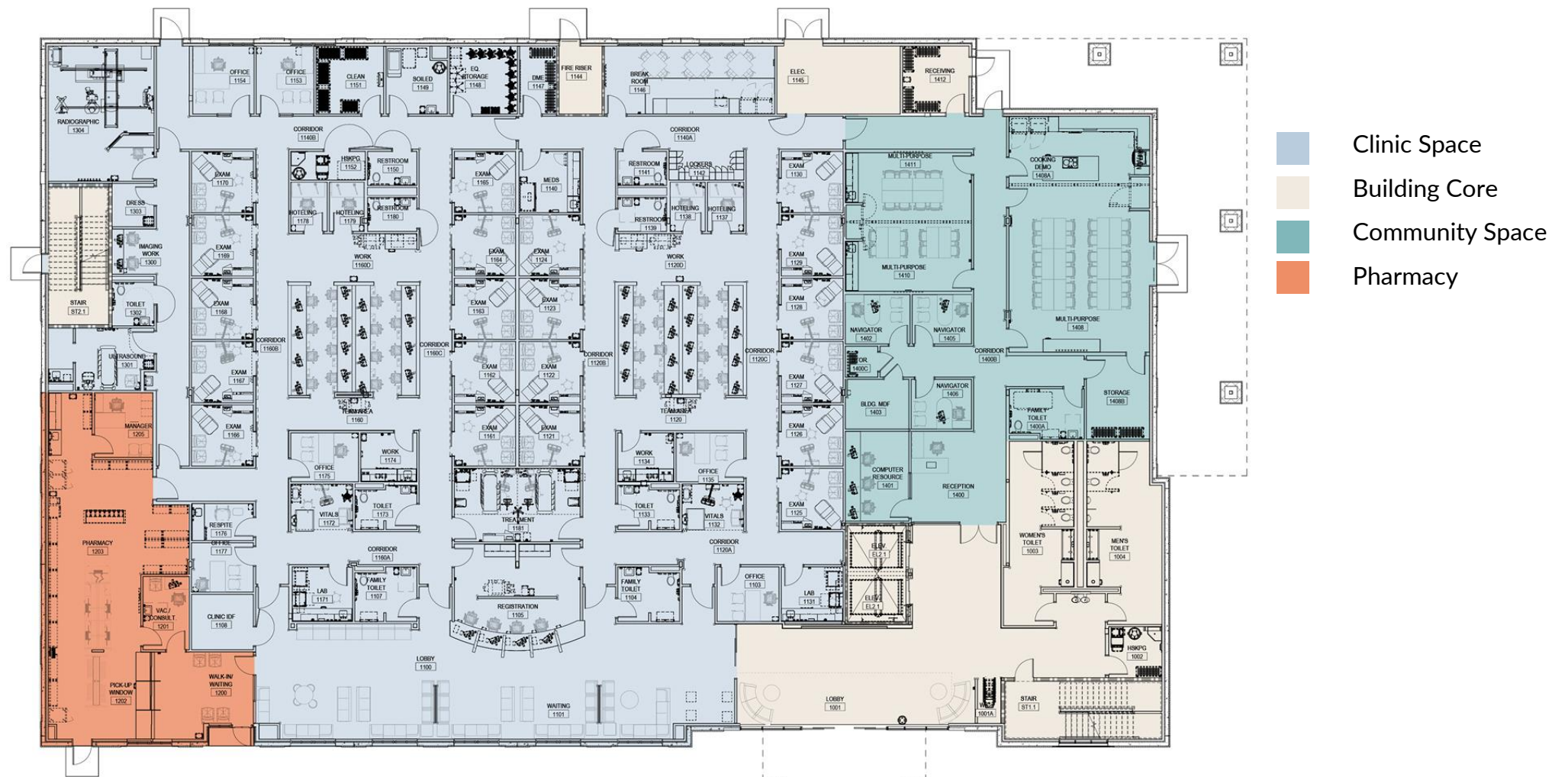
Auditorium
Texas A&M University - San Antonio

CAMPUS MATERIALS



PUBLIC ART PROJECTS





VIDA FLOOR PLAN LEVEL 1



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- Building Core
- Community Partner
- Shell Space
- Institute for Public Health

VIDA FLOOR PLAN LEVEL 2



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VIDA FLOOR PLAN LEVEL 3

VIDA AND WHEATLEY **DESIGN PRIORITIES**

Flexible

Inclusive

Accommodate Non-medical / Community needs

Connection to Site/outside spaces

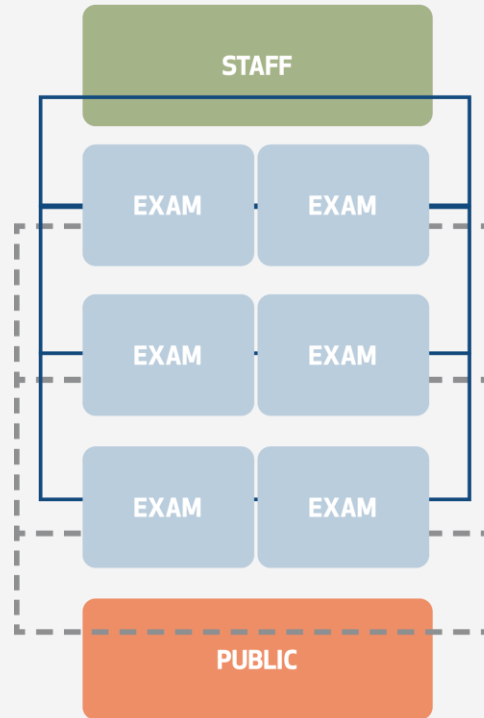


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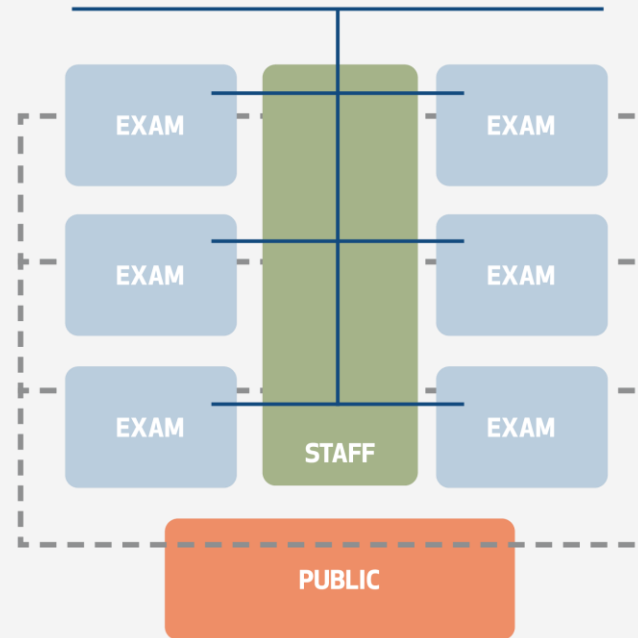


CLINIC LAYOUTS- EVALUATING OPTIONS

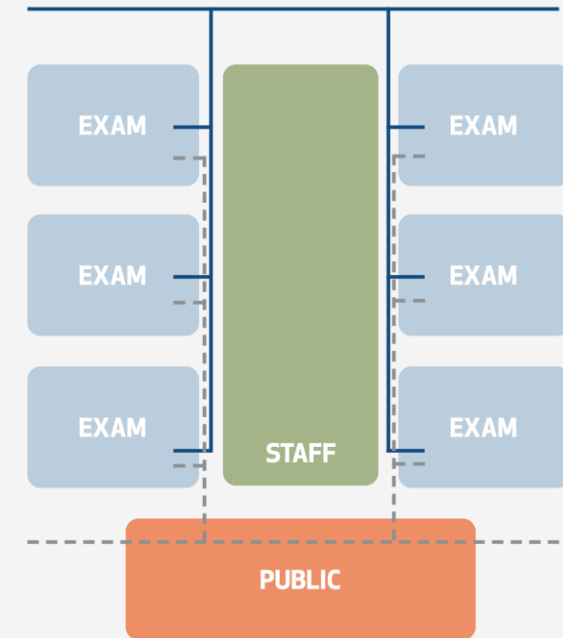
TRADITIONAL



ON-STAGE/OFF-STAGE



CENTER-STAGE



● STAFF/SUPPORT ZONE

● EXAMINATION ZONE

● PUBLIC ZONE

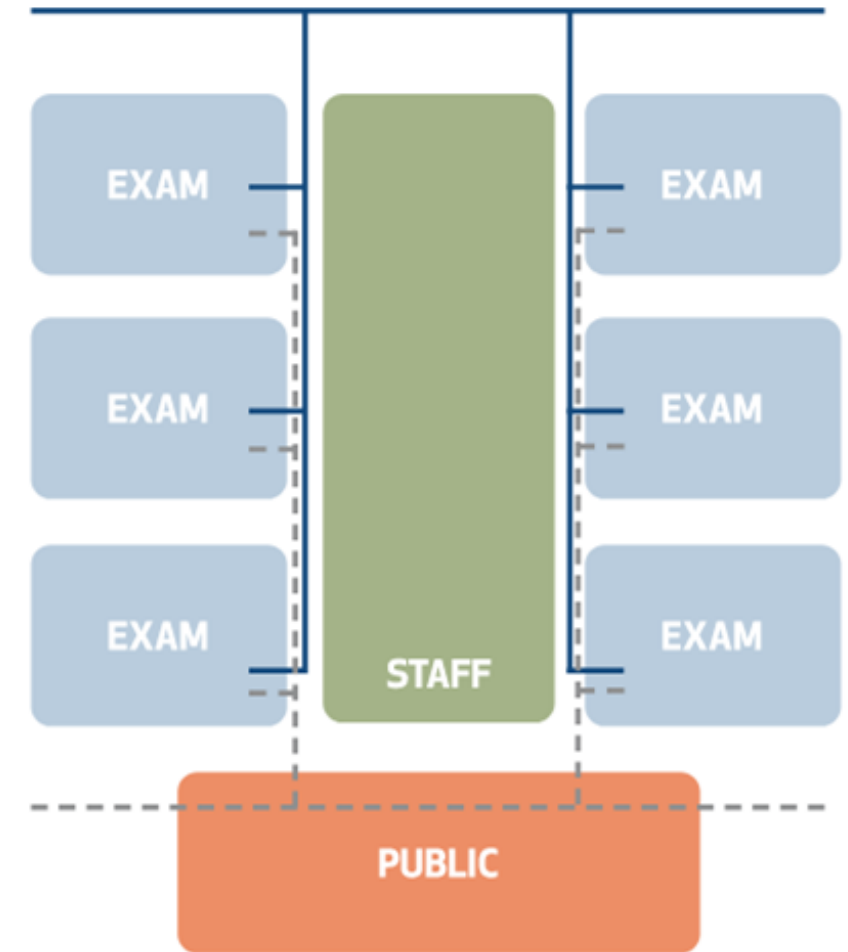
--- PATIENT FLOW
— STAFF FLOW



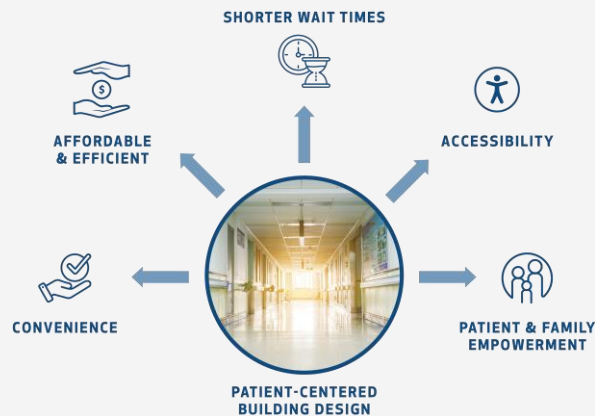
WHERE WE LANDED - CENTER STAGE MODEL

BENEFITS (EBD Outcomes)

- **Improved Care:** Co-locating staff boosts communication, collaboration, privacy, and efficiency. (Freihoefer et al., 2018; Lim et al., 2021; Lim, Kanfer, et al., 2020).
- **Better Monitoring:** Enhances staff visibility in exam rooms. (Freihoefer et al., 2018; Lim, Moore, et al., 2020).
- **Enhanced Interaction:** Patients access care-team stations for direct contact. (Karp et al., 2019).
- **Boosts Communication:** Encourages incidental staff interactions. (Karp et al., 2019).



RESEARCH - CENTER STAGE MODEL



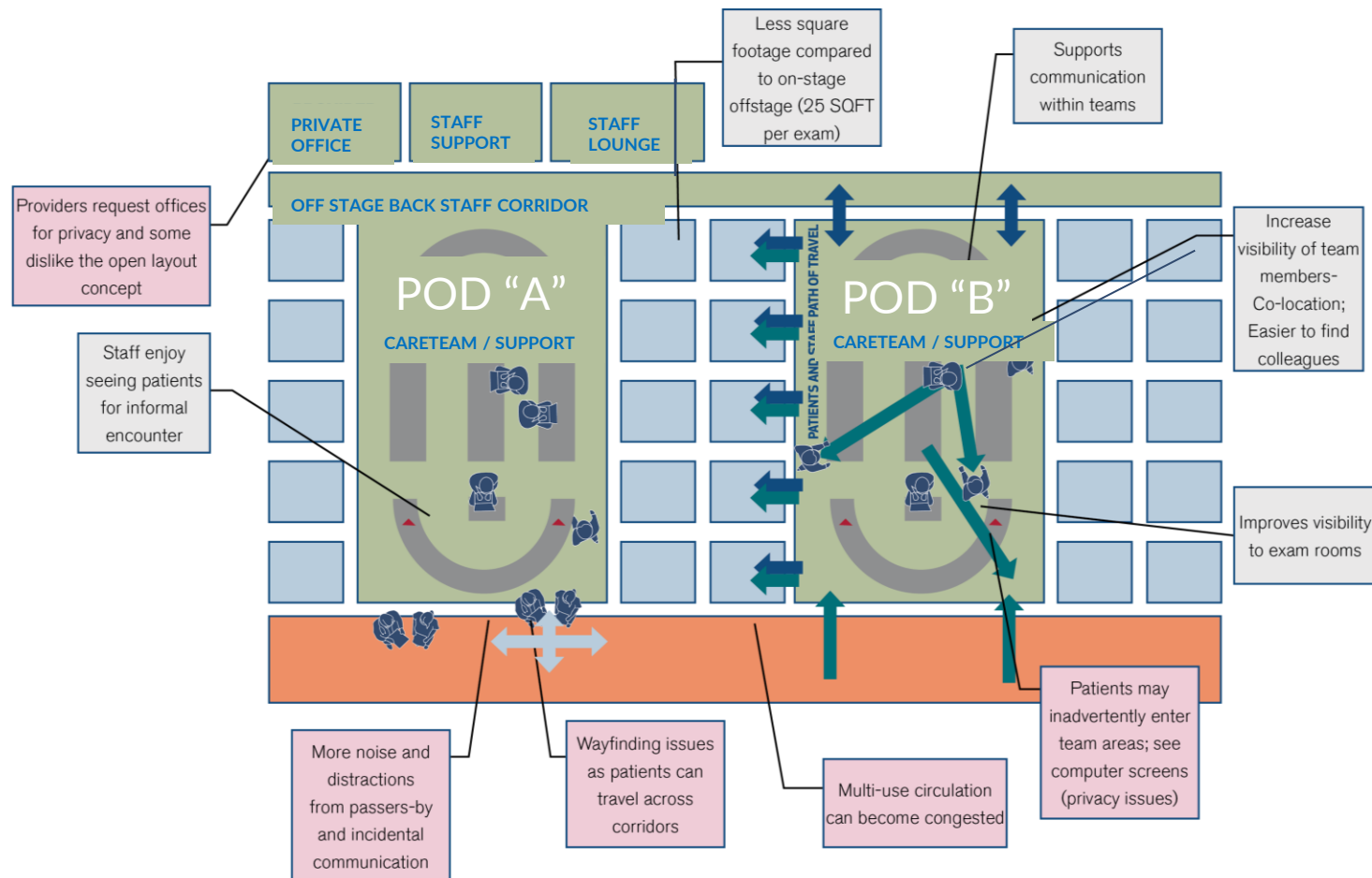
Case Study

Balancing Support for Staff and Patient Centeredness Through the Design of Immediate and Relational Space: A Case Study of Ambulatory Care Center Layouts

Julie Zook, MArch, PhD¹,
Timothy J. Spence, AIA, ACHA, LEED AP BD+C²,
and Teri Joy, RN, BSN, CEN, TCRN²

THE CENTER FOR HEALTH DESIGN

Health Environments Research
& Design Journal
1-13
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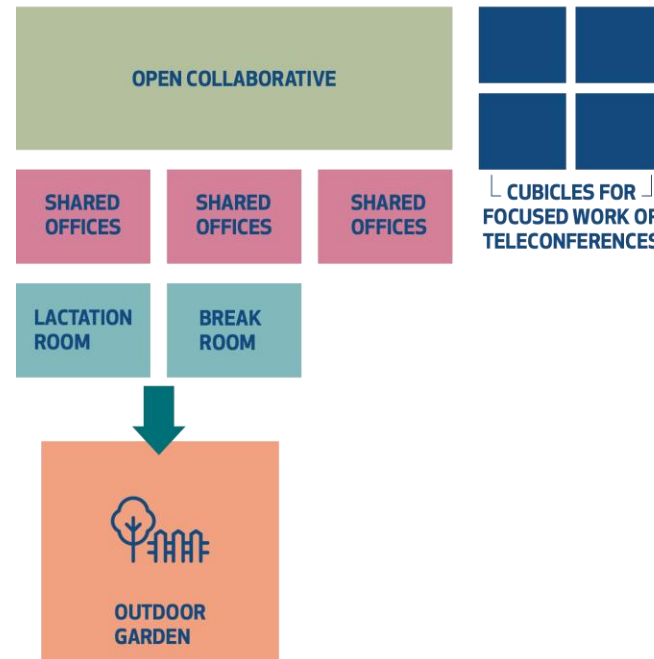
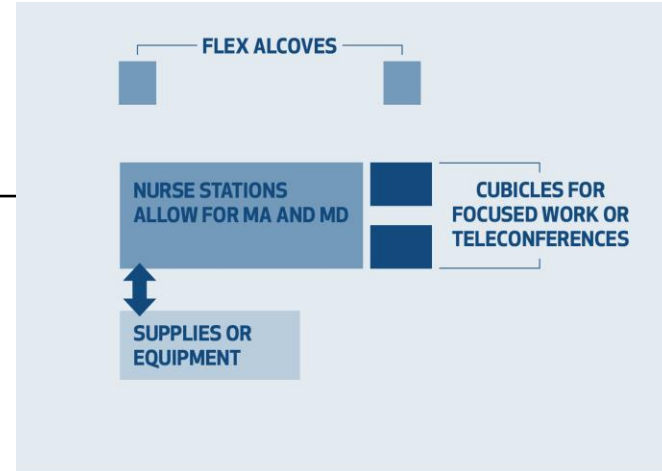
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FACILITIES
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CLINIC WAITING ROOM

SUPPORT STAFF STRATEGIES

- Improve visibility to enhance face-to-face communication and improve clinic flow.
- Focus rooms with telehealth capability adjacent to team stations for team collaboration.
- Private respite rooms for individualized activities such as Lactation and rest.
- Removed comfy staff lounge with amenities & views to nature and daylight to reduce stress and improve relaxation.



PATIENT AREA



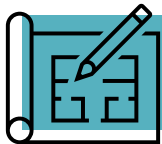
OFF STAGE





STAFF BREAKROOM

EXAM ROOM METRICS



Pod Layouts

- 20 Universal Exam /2 Space efficient pods
 - Dual access Procedure Rm w/ 2 Patient Care Stations
- Provider/Exam Room ratios for maximum flexibility:
 - 2-2.5 Room per provider
- Total of 10 Providers (5 Per Pod x 10)
 - Volume per Provider= 20 Patients/day
 - Daily Volume = 200 Total patients/day
 - Projected annual Patient Visits = 45,000 – 50,000 yr

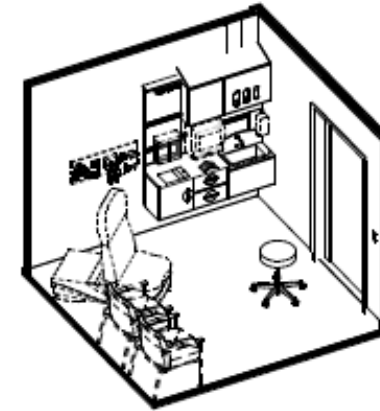
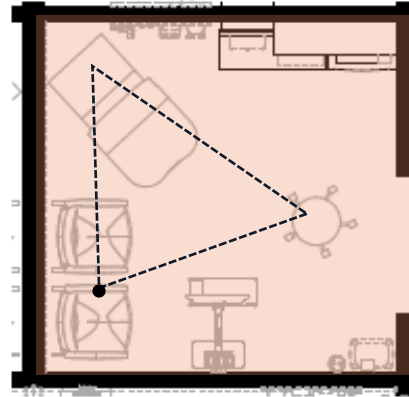


Clinic Visits Per Exam Room Per Year

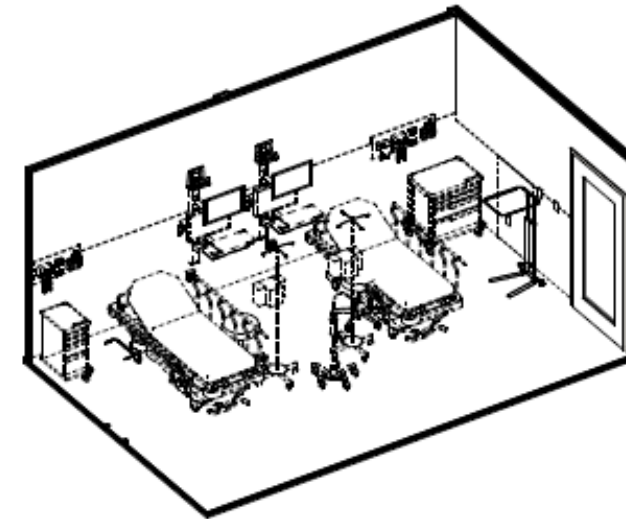
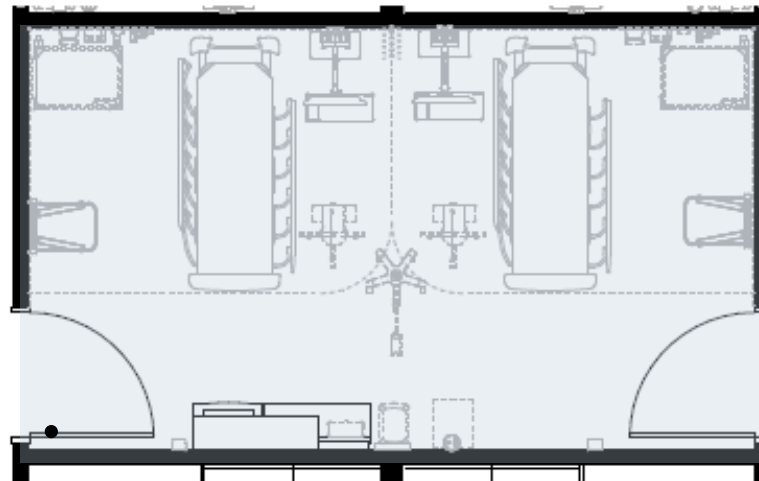
Minutes Per Clinic Visit	Clinic Visits Per Day for X-hours/day	Visits per Room at 250 days/Year (50 Weeks)			
Insert Clinic Operating Hours Here* ----->	8	100% Util.	90% Util.	80% Util.	70% Util.
24	20	5,000	4,500	4,000	3,500

Number of Visits per Exam Room per Year in a Clinic	
Input Factors	
Average Minutes Per Patient Visit (incl. Room Turnover)	24
Average Hours Per Day Patients are Seen in Clinic	8
Days Per Week Clinic is Open	5
Weeks Per Year Clinic Is Open	50
Expected Room Utilization (efficiency factor)	80%
Expected Total Visits <u>Per Exam Room</u> Per Year	2,000
Total Room Need	
Projected Annual Number of Patient Visits [APV]	44,000
Expected Total Visits Per Exam Room Per Year	2,000
Total CLINIC ROOMS NEEDED [Rounded up]	22

EXAM OPTIONS WITH HEALTHCARE ZONES



3D Axonometric
Viewpoint



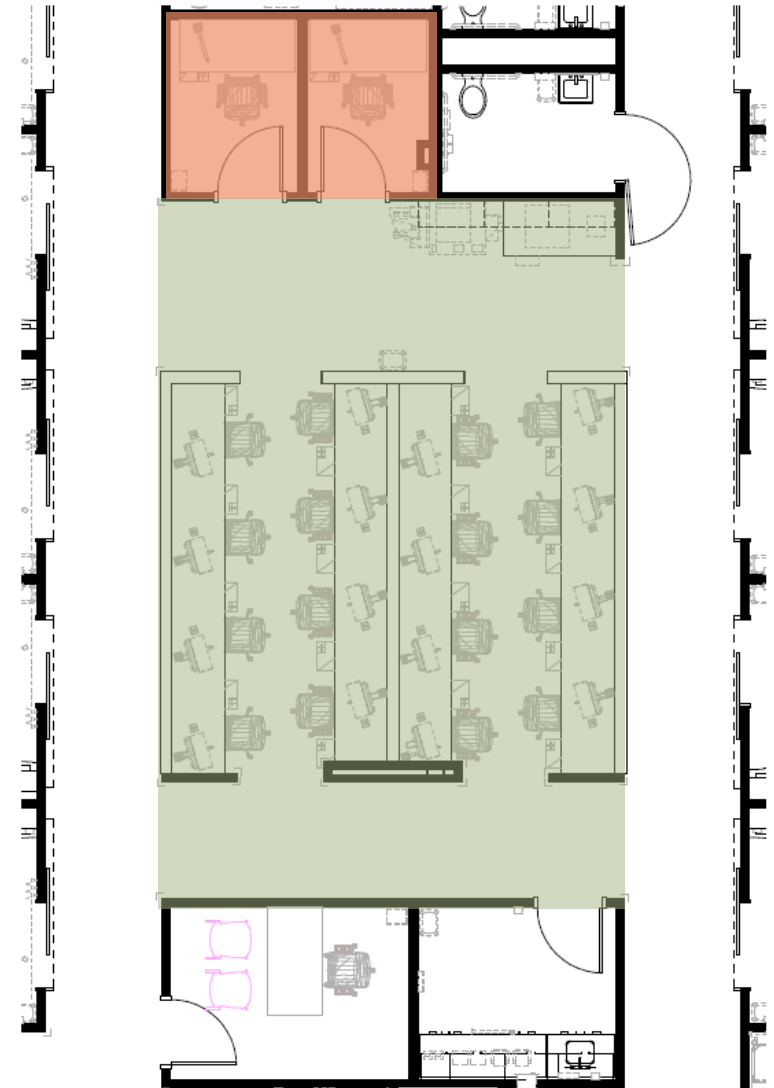
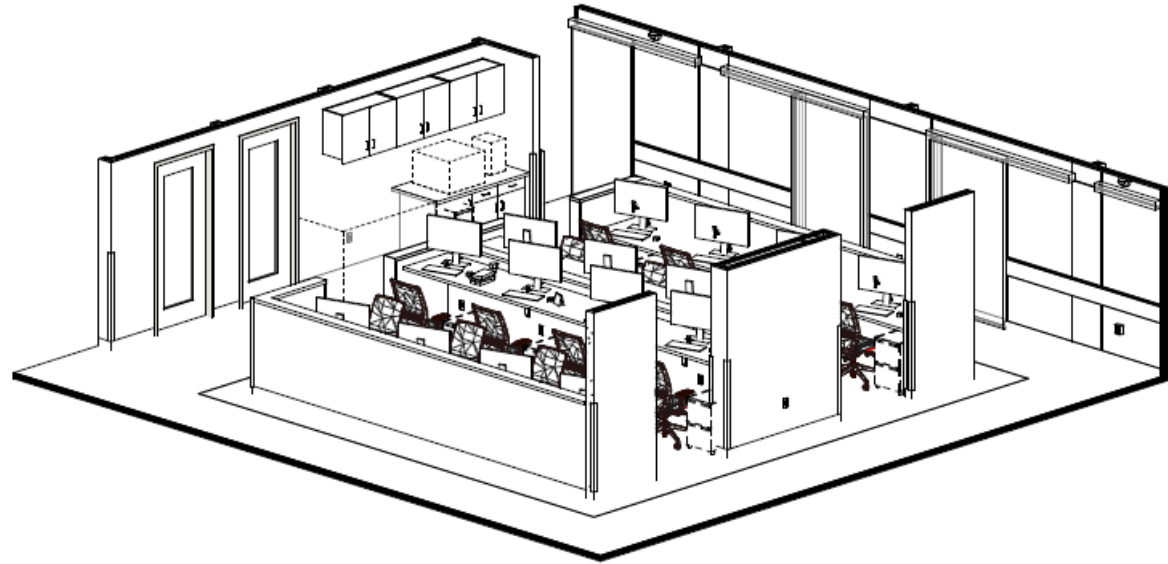
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Source: Zamani Z, Harper EC. Exploring the Effects of Clinical Exam Room Design on Communication, Technology Interaction, and Satisfaction. *HERD: Health Environments Research & Design Journal*. 2019;12(4):99-115. doi:[10.1177/1937586719826055](https://doi.org/10.1177/1937586719826055)



EXAM ROOM

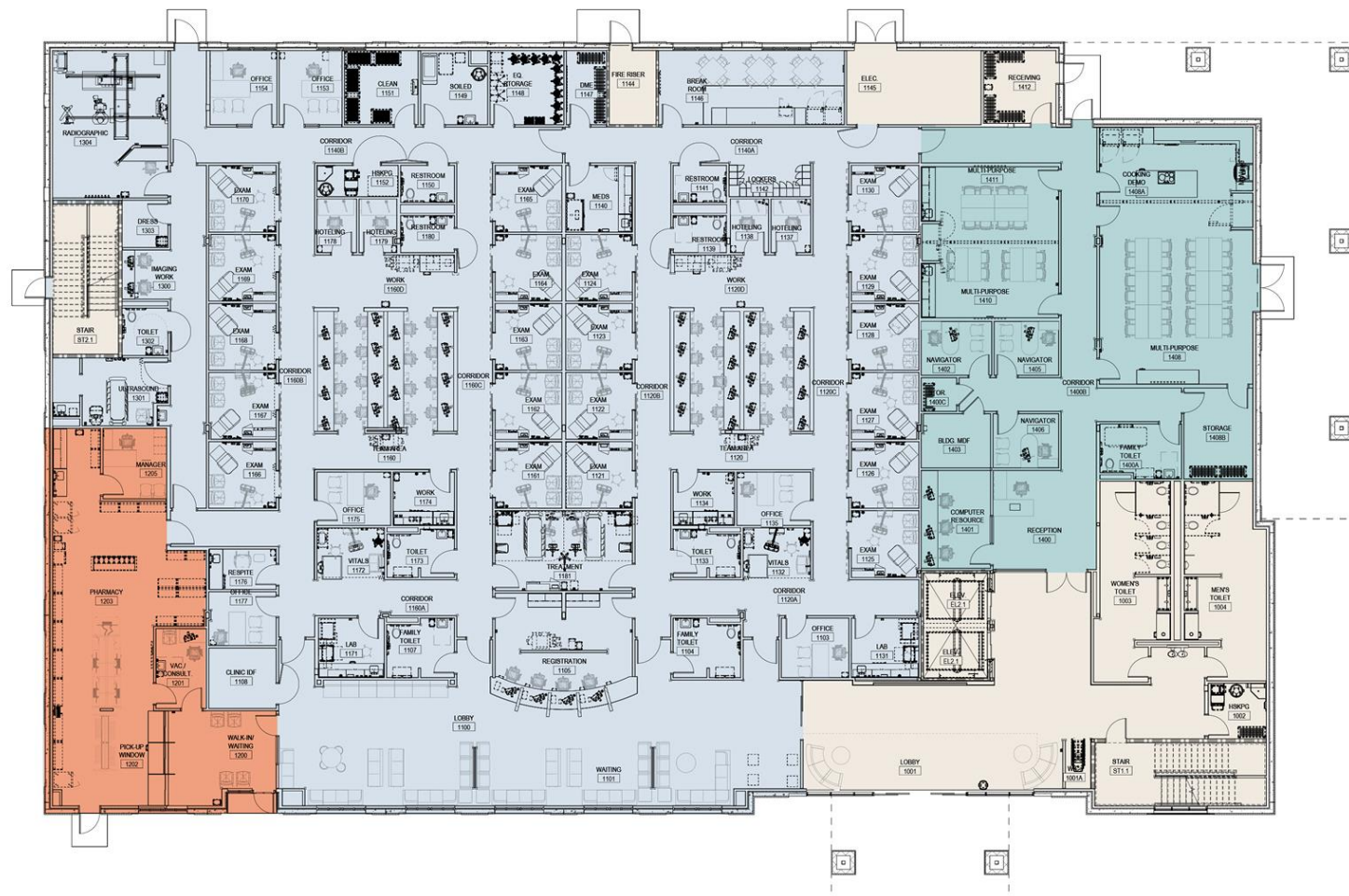
CARE TEAM AREA





CARE TEAM STATIONS

7 LEAN FLOWS OF HEALTHCARE



PATIENT

These are the processes that directly impact patient care.



PROVIDERS/STAFF

These are the processes that impact providers or staff or are carried out between providers.



FAMILIES

These are the processes that impact families and visitors.



SUPPLIES

These are the processes that supply delivery, stocking, storage, and management.



MEDICATION

These processes guide medication storage, controls, and administration.



EQUIPMENT

These processes impact equipment cleaning, storage, procurement, and management.



INFORMATION

These processes relate to how information is disseminated, either electronically, through technology, or through other communication avenues.



HEALTHCARE
FACILITIES
symposium and expo

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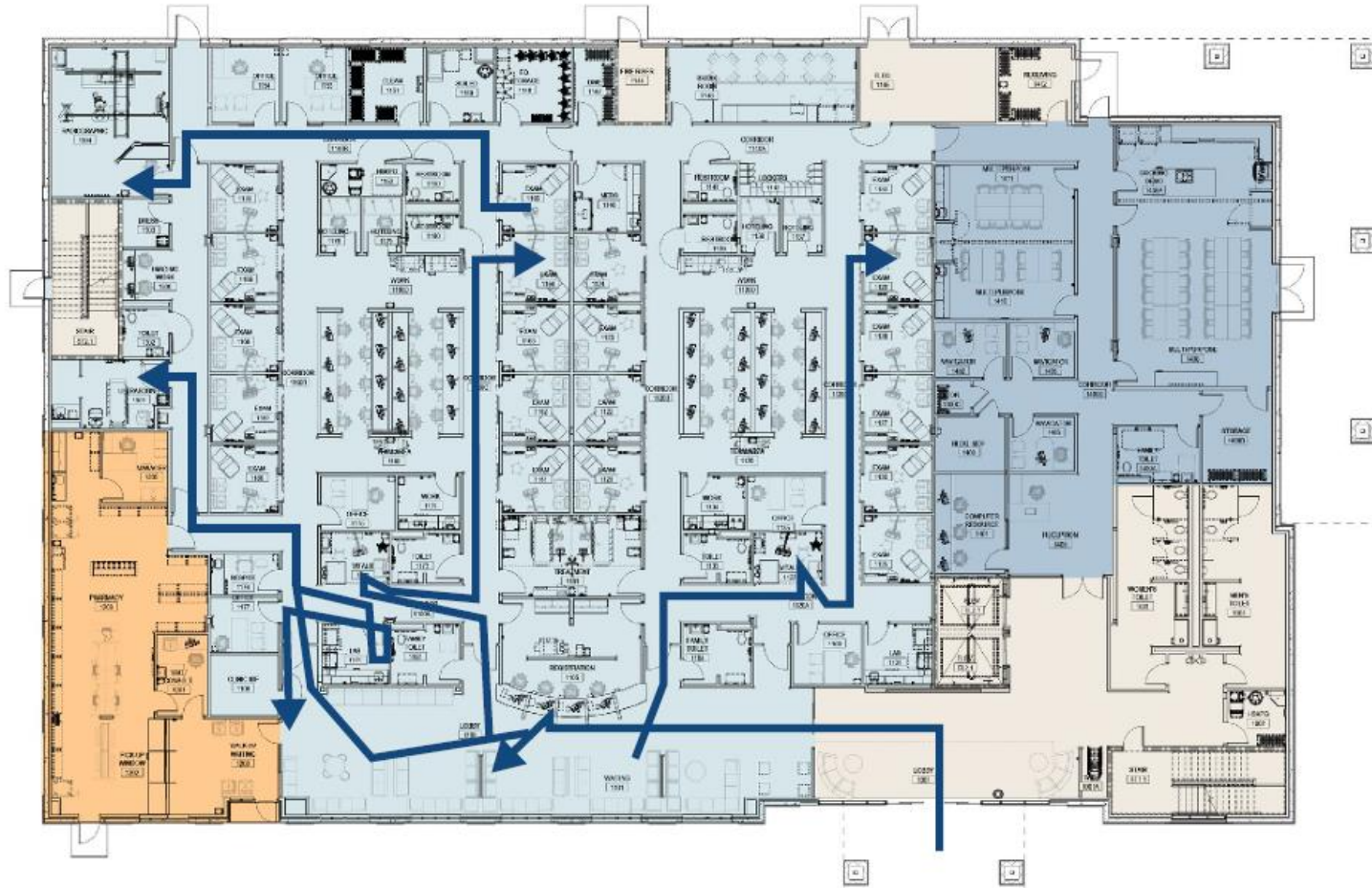
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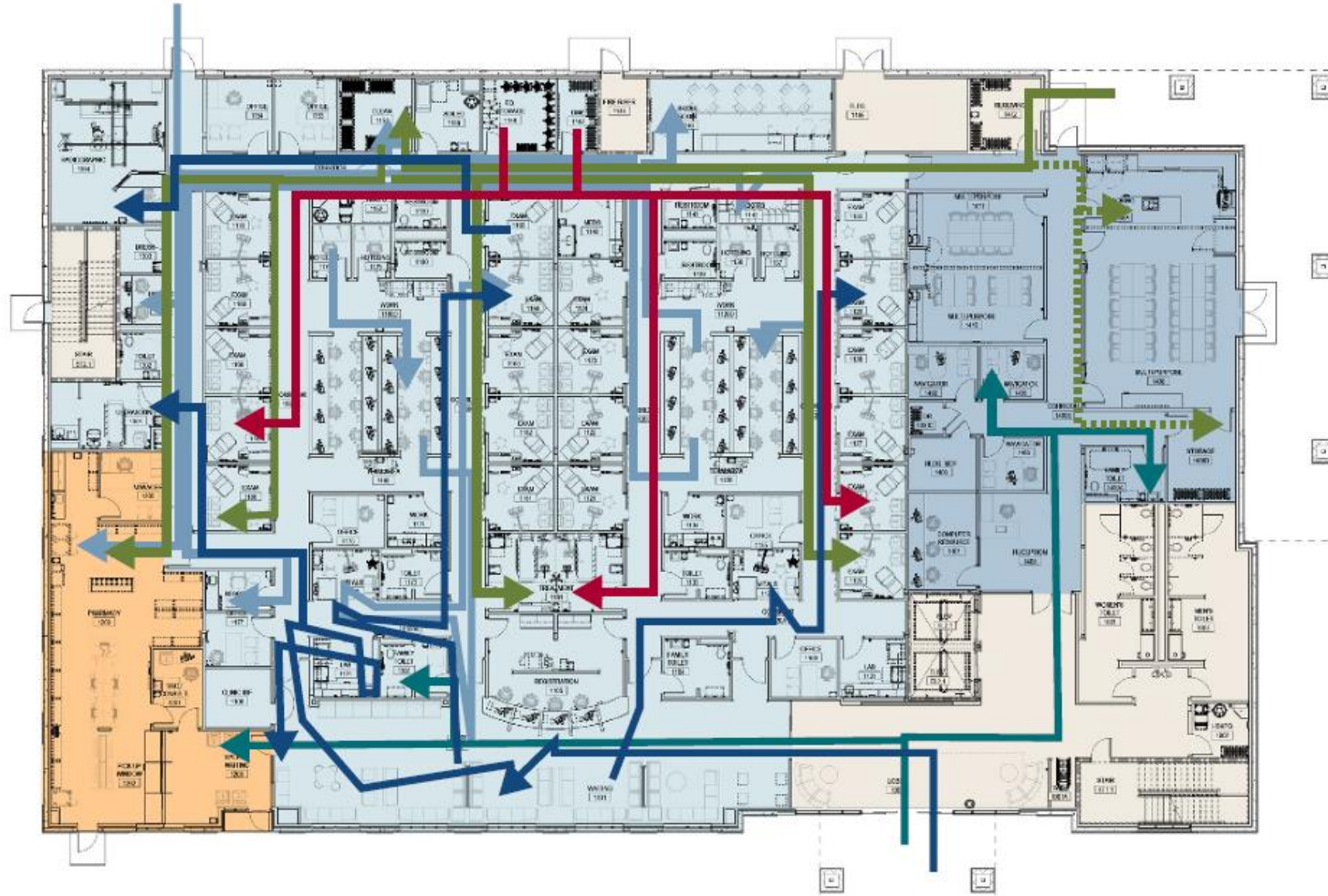
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COMMUNITY PARTNERS



VIDA FLOOR PLAN LEVEL 1



VIDA FLOOR PLAN LEVEL 2



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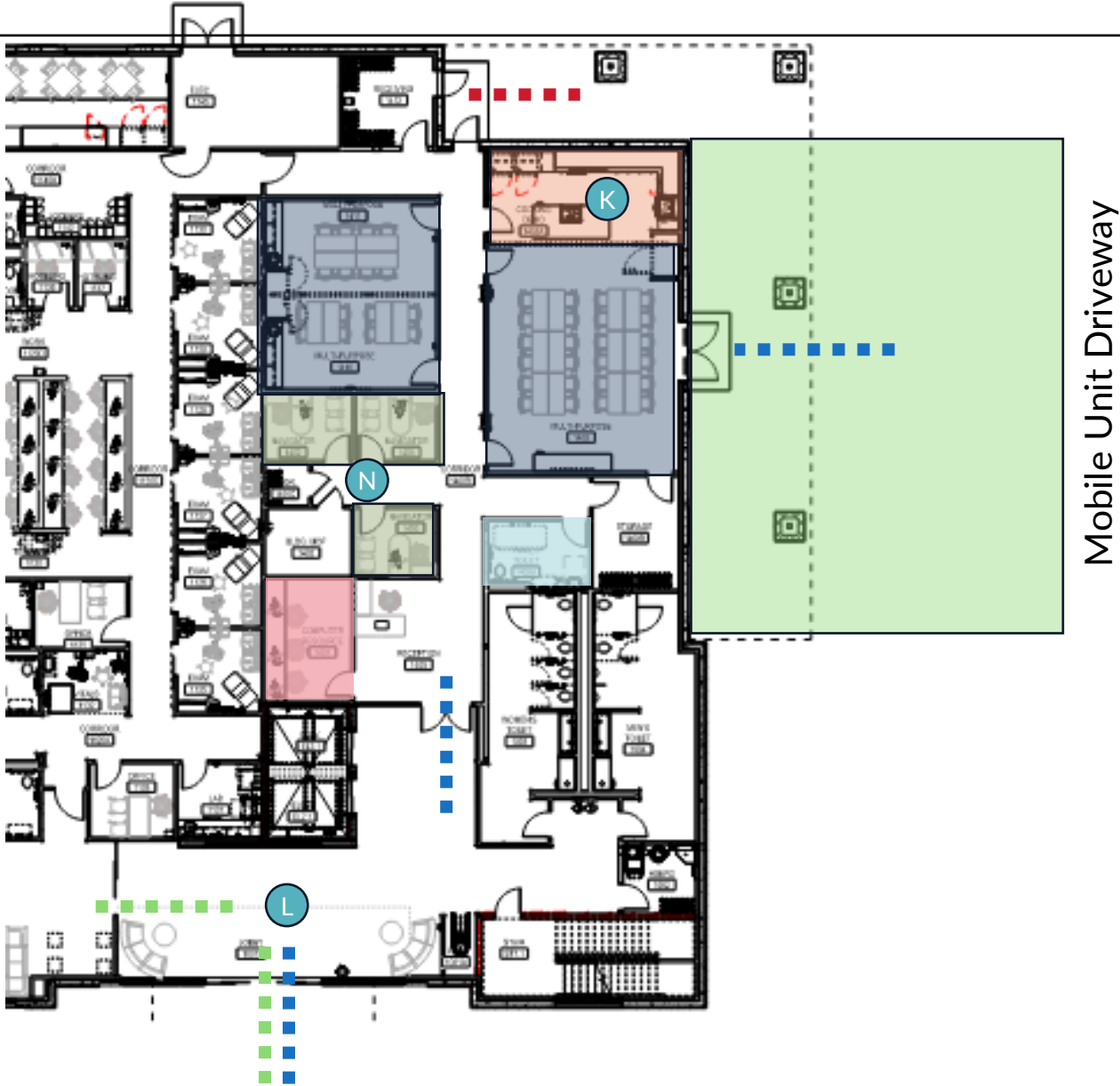
COMMUNITY RESOURCES

- Multipurpose Rooms
- Teaching Kitchen
- Green Space and Mobile Unit
- Accessible Bathrooms
- Community Resource Navigators
- Technology Access



COMMUNITY RESOURCES

- Multipurpose Community Rooms
- Teaching Kitchen
- Green Space and Mobile Unit
- Accessible Bathrooms
- Community Resource Navigator
- Technology Access
- Catering Access
- Community Resource Entry
- Community Clinic Entry





LOOKING AHEAD

UNIVERSITY HEALTH LOOKING AHEAD

Medical and social care integration
(services relationships, physical and
virtual)

High demand and continued growth

Spread best practices to other facilities

High tolerance for ambiguity



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EXAMPLES OF OUR PUBLIC HEALTH STRATEGIES

Seven Simple Steps to Improve Your Diet

The urge to jump into a drastic diet might be overwhelming. Some changes to your eating habits can help you drop pounds without much effort.

[Read full article](#)

Use this tool to find community resources like food, housing and mental health services close to home.

ZIP

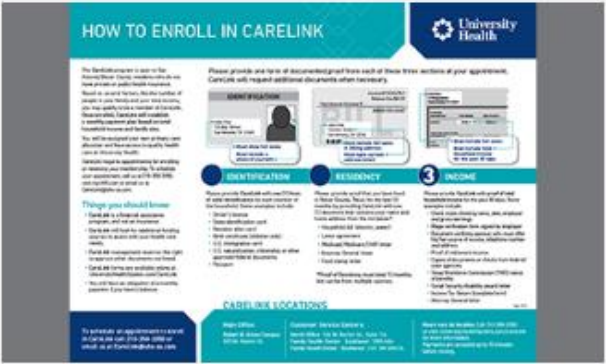
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[Search](#)



**University
Health**

Thinking beyond



HOW TO ENROLL IN CARELINK



Schedule a Mobile Mammogram
Appointment →

Injury Prevention

2022
BEXAR COUNTY

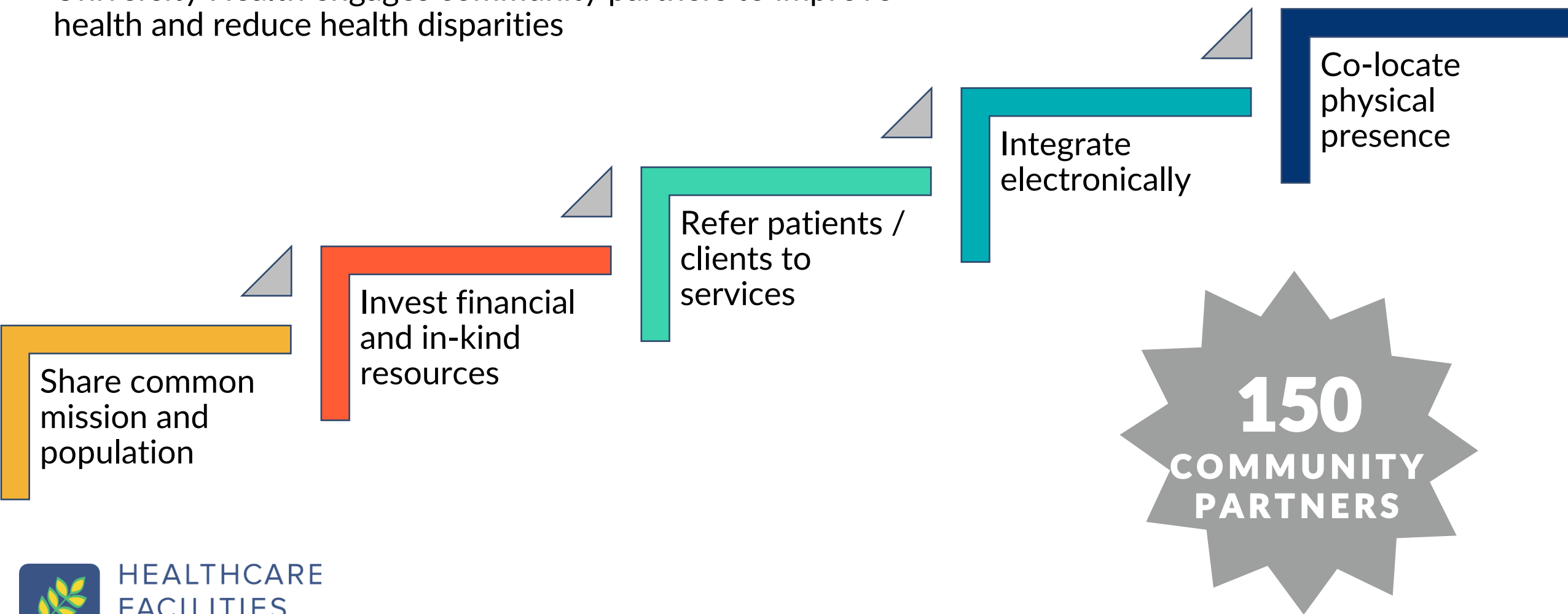
**COMMUNITY
HEALTH NEEDS
ASSESSMENT REPORT**



**HEALTHCARE
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INTEGRATING WITH COMMUNITY PARTNERS

University Health engages community partners to improve health and reduce health disparities



QUESTIONS?



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