Framework for Healthy Communities

DESIGN & BUILD FOR WELLNESS, NOT ILLNESS

The objective of Public Health in the Built Environment is to improve health by reducing onset of chronic diseases and accidents resulting in injuries.

Framework for Healthy Communities

AGENDA - DESIGN & BUILD FOR WELLNESS NOT ILLNESS

- ✓ IMPROVE AIR QUALITY
- ✓ ENABLE SMART, SAFE, ACCESSIBLE INFRASTRUCTURE
- ✓ ENCOURAGE PHYSICAL ACTIVITY FOR ALL





























































































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Janet Baum, AIA



























Framework for Healthy Communities

CONCLUSIONS

Architects/ Planners SHOULD DO NO HARM DESIGN & BUILD FOR WELLNESS NOT ILLNESS DO THE RIGHT THING for facility occupants, users, and communities

11/7/14





nospital campa.	S Design Context	
Built Environment		
Public Health		
Social Interaction Impacts	Evidence Based Design	Healthcare Trends
 Longevity 	 Community 	 Sickcare
 Well-being 	 Mixed-use 	 Expansion into new
 Mental acuity 	Street trees	 Services
	 Parks 	 Neighborhoods
 Physical Activity Impacts 	 Sidewalks 	 Building Types
 Body Mass 	Transit	 Increased competition for
Cardiovascular	 Buildings 	choice
 Diabetes 	 Daylight 	 Fewer acute care facilities
Cancer	 Landscape Views 	 Adaptation of abandoned
Depression	 Navigability 	structures



Built Environment & Public Health Research + EBD/Community + Healthcare Trends = New Partnerships

Systems will need to engage with organizations that impact the health determinants in your community and influence individuals' behavior when they're between provider visits. A few examples of these organizations are religious entities promoting health behaviors, transportation companies facilitating access, the housing authority optimizing living arrangements, gyms and workout facilities, restaurants focusing on healthy living, and malls with wolking programs.

Dennis Weover, MD, "Who really influences a population's health? (Hint: It's not just providens...)." Care Transformation Center Blag, 30 Aby 30, 2014. http://www.advisor.com/Research/Care Transformation-Center/Ear-Transformation-Center-Blag 2014/07/SW Hint: really-influences populationhealth/WT.mc_distand [Dau)stenforg Blag)SW Aug. 2014(1) Population



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Healthcare Planning, Community Building & Wellness



Exec. Committee & Professionals Internal Feedback External Reactions



Community, Committee & Professionals External Feedback Public Participation



- Encourages listening
- Engages diversity of ideas
- Promotes mutual understanding (although not necessarily agreement)
- Provides greater legitimacy to decision-making

(Ank et al. 2010)





Applications

Develop master plans and a form-based code that blend medical facilities and neighborhoods. Link medical facilities and neighborhoods with pedestrian-friendly streets.

Conceal surface parking lots and structures behind buildings.

Bring retail and food services to the street. Develop distinctive gates and fencing where necessary to enhance security while creating a sense of openness and beauty.

Preserve and enhance historic properties.

Create individual facility "highway identity" with unique, limited footprint towers.



Memphis Medical District Consensus Planning Goals

















Hospital Campus Design Goals

Process Engage constituents in a participatory planning process. Compus Planning Develop an overall strategic plan for community building and town planning for each location that contributes to the quality of life in the facility, neighborhood, and region. Develop resilient infrastructure responsive to local ecology.

resources, and hazards. Model a healthy community through design for effective communication, social interaction and walkability.

Architecture & Landscape

Identify unique aspects of community identity and history. Develop strategy for distinctive institutional identity in relation to community.

- community. Build healthy and resilient structures responsive to local climate
- and materials. Establish consensus values on priorities- aspects such as davlight t
- Establish consensus values on priorities- aspects such as daylight to all habitable spaces, opportunity for beauty, gathering and respite.















A community is a social unit of any size that shares common values.

Face-to-face communities are usually small, larger of more extended communities exist as national communities, international communities and virtual communities.

Who is the healthcare community? Our patients

Our providers Our staff Our town

Our county

Our state Our world



Mercy includes. 33 acute care hospitals (1) four heart hospitals (1) two children's hospitals (2) two rehab hospitals (2) two orthopedic hospitals (2) nearly 700 clinic and outpatient facilities (+/-100) in Arkansas, Kansas, Missouri and Oklahoma.

How Do We Understand the Mercy Community Experience?

What works and why What is important to our patients Providers What is important to our providers Coworkers What do our coworkers know we can learn Observation What do we learn from watching people Data Fact or fiction discovery



What is meaningful to our patient community? Honest and open communication "Candor is so helpful – it relieves stress."

The experience should be easy, "Even before you enter the building, impressions are important. How easy i it to park? Is it close to where I need to be? What about signage? The building or the interiors match what they're about."

Convenient parking "While I was receiving chemo, I was very weak. I had no handicap parking placard, so I had to park away from the facility. It was a difficult walk at time for me, especially during bad weather". Technology should be used where you can "Having a kiosk or card with your information on it would n easier when you move from department to department..."

Unexpected accommodations "Nurses got my phone charged for me – they had a charger available and made sure I was taken care of."

Keep the process simple and efficient "Having the work area at the front of the office makes sense if it is a single doctor, but group practice requires efficiency. Move the work area to the

Privacy is a huge concern "It is good to move all the backs stage stuff to the back of the office. atients need accessible staff swing the doctors and nurses available is important in the inpatient setting ause you need them accessible and able to help you find things. That isn't ne in the doctor's office." Curtains in the exam room are not desirable "Those curtains are always ugly."



What is meaningful to our patient community?

Windows in the exam room are desirable "You could charge extra for the rooms with windows!" (said jokingly

Consult room is important, but so is the location "They should be up cices to the exit. It would be nice to have a room with a small round bable, some chairs and maybe a computer where the doctor can show you things."

Access to nature and natural light "The windows make me want to get better, so I ca Family is a large part of the experience "There should be groupings of furniture where you can talk as a family. You may have to make important decisions."

Functions for the Sick "Just having things like Kleenex and water close by, especially if you're feeling sick, and the restrooms, are they close to where you are?"

Give patients control of their environment Weil, it's never the same. Sometimes I don't leed good and don't want to be bothered. Sometimes there is laughter and that's always nice. Sometimes I just at queby and pray for others that look like they are really having a bad day.

One stop shopping "The more you incorporate into the center the better such as reso support groups, getting your labs and imaging studies done, regis irce room, ration, etc.'

Design for convenience "The bathrooms would be better closer to the bed because I got sick a lot and needed to get there fast."

















What is meaningful to our individual regional communities?

Project Goal: To create a warm and passionate health and wellness care model for the system that will serve as a new standard of excellance in terms of patient experience, technology, ease to access, efficiency of time and cost. The facility should be designed as a place that can easily deliver care to our patients with a team approach to healing patients within their own community.

Summary: • Measured walking loop created on site and organized around enhanced site amenities • Signage in parking to inform patients of calories burned from parking choice to facility entry



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- utilizing the same space but coordinated through scheduling
- Utilize the central public circulation to serve as waiting and an indoor fitness track to serve the aging community population
 I ocate the rotation snecially clinic adiacent to the

 Locate the rotating specialty clinic adjacent to the Emergency Department allowing ED to overflow into the clinic at peak times





E-Visits Help Busy Patients Focus on Families May 23, 2014 Story by Mercy's Brad Haller MIDWEST, U.S.

"Going to the doctor's office isn't something we have time for," said Hayes. "I have two busy kids who are striving for perfect attendance, and a puppy that demands attention."

"I do several e-visits a week and the patients all love it," said Dr. Jetse Campbell at Mercy Clinic Primary Care — Edmond Santa Fe. "This whole process allows us to fit an appointment into their schedules, at their convenience."

"It's a money-saver and a huge convenience for us — more so than just for ear infections," added Hayes. "My husband even signed up, because getting sick and taking off work isn't an option."

What is meaningful to our world communities?

Telemedicine Summary: Virtual care allows us to serve needs of managing the health care needs of large employee populations, communities and individual patients.

Our services and technologies identity critical needs, helping us develop and implement customized plans for improving health and reducing costs. We also deliver education and coaching to promote healthy lifestyle changes. Using data and exceptional clinical expertise, our services help us meet today's health care needs – and tomorrow?.

Chronic Disease Management Utilization Management

Data Analytics, Reporting and Predictive Modeling Wellness and Health Education

