[M109] The Hospital Maze - Wayfinding through Design



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WARM UP

Audience Poll:

- 1. WAYFINDING IS MORE THAN ADDING SIGNS sound hospital planning is where it starts
- 2. THE HUMAN PERSPECTIVE generational gap, cultural differences, technology
- **3. REAL TIME EXPERIENCE** (from the "trenches")

FEEDBACK FROM AUDIENCE:

Tell us your story, Q and A



What we will do today

Has wayfinding gotten better or worse in hospitals?

- Better
- Worse
- No significant change



Why is wayfinding so difficult to get right?

- Cannot fix planning problems.
- Existing conditions have limitations.
- It's a personal perception issue.



Is signage the best solution to the wayfinding problem?

- It needs to be combined with technology.
- It needs to be combined with architectural solutions.
- It can be a good solution.



Are technology apps the best solution to the wayfinding problem?

- For some people they are a good solution.
- It is not the only solution.
- It should be a solution for the future.



What is the most important architectural solution to wayfinding?

- Planning that allows intuitive wayfinding.
- Focal points and Key points
- Color branding
- Images branding
- Distinct and visible signs

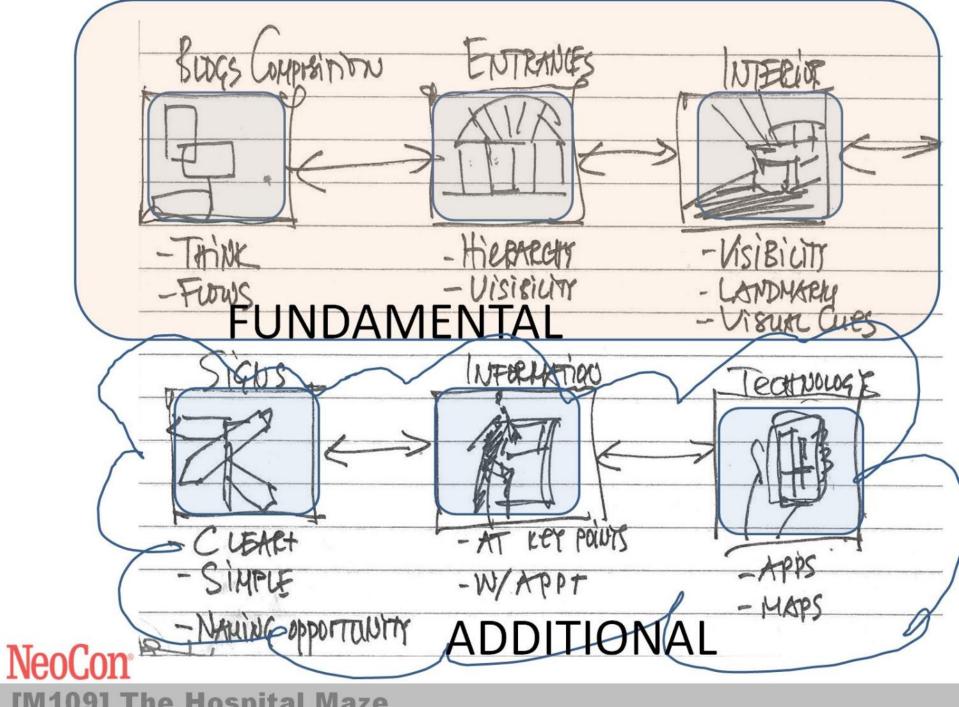


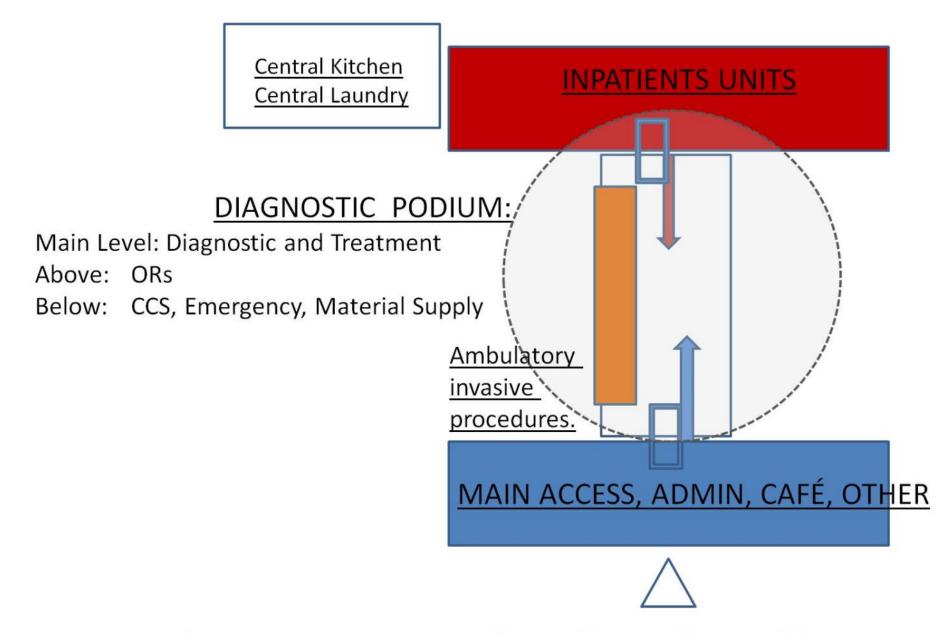
Audience Polling

WAYFINDING: MORE THAN ADDING SIGNS

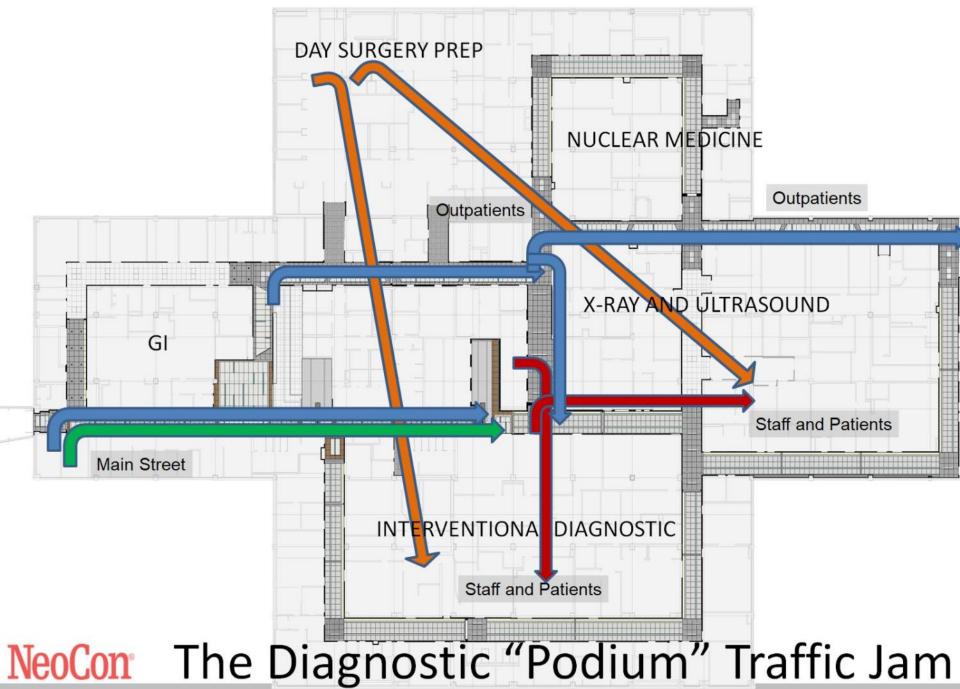








NeoCon The Diagnostic "Podium" Traffic Jam



1 CIRCULATION AND FLOWS (The ABCs)

- Think clear "traffic flows" throughout design
- Separate "unrelated traffic"
- Avoid "cross traffic" of unrelated flows
- Most trafficked areas to be closest to entries
- Invasive and Interventional areas to be remote, protected from traffic
- Keep short clear paths for repetitive staff and material activities

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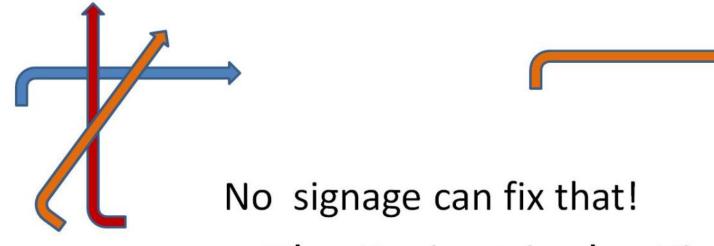
Know your Flows!

PRIORITIZE THE FLOWS

PATIENTS for Diagnostic and Treatment

IN-PATIENTS for Diagnostic and Treatment

PATIENTS for Day Surgery and Invasive Procedures



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The Patient is the King!

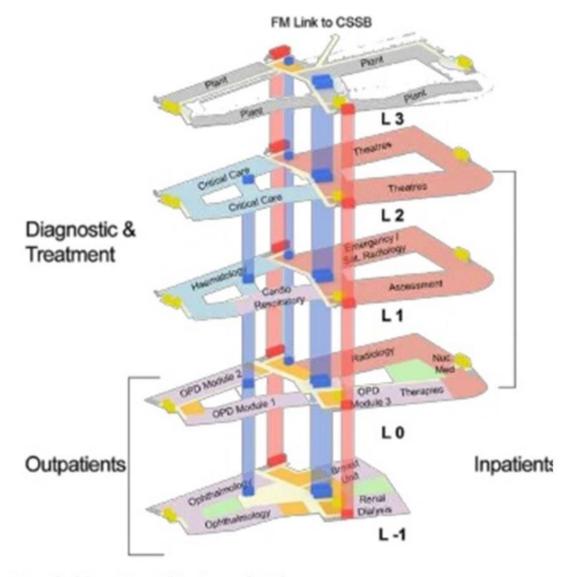
NEXT PRIORITY

STAFF within departments
STAFF between departments
MATERIALS supply and evacuation

...AND NEXT ...
VISITORS access



Staff & Material Movements = \$



Public & Clinical Flows

NeoCon Stacking Diagrams should be a must

2 HIERARCHY OF PLANNING/TRAFFIC CONTROL

(The ABCs)

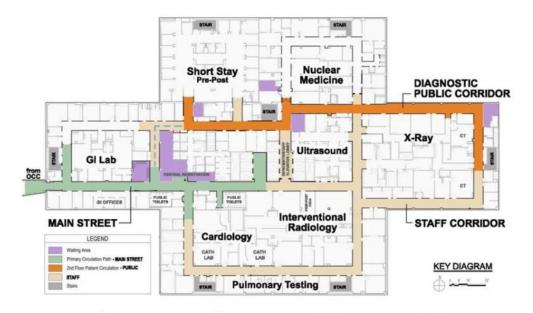
- Placement of Buildings
- Placement of Entrances and Visibility
- Architectural Barriers and Facilitators

NeoCon Use Planning Tools for Traffic Control

3. THE POWER OF DESIGN ELEMENTS

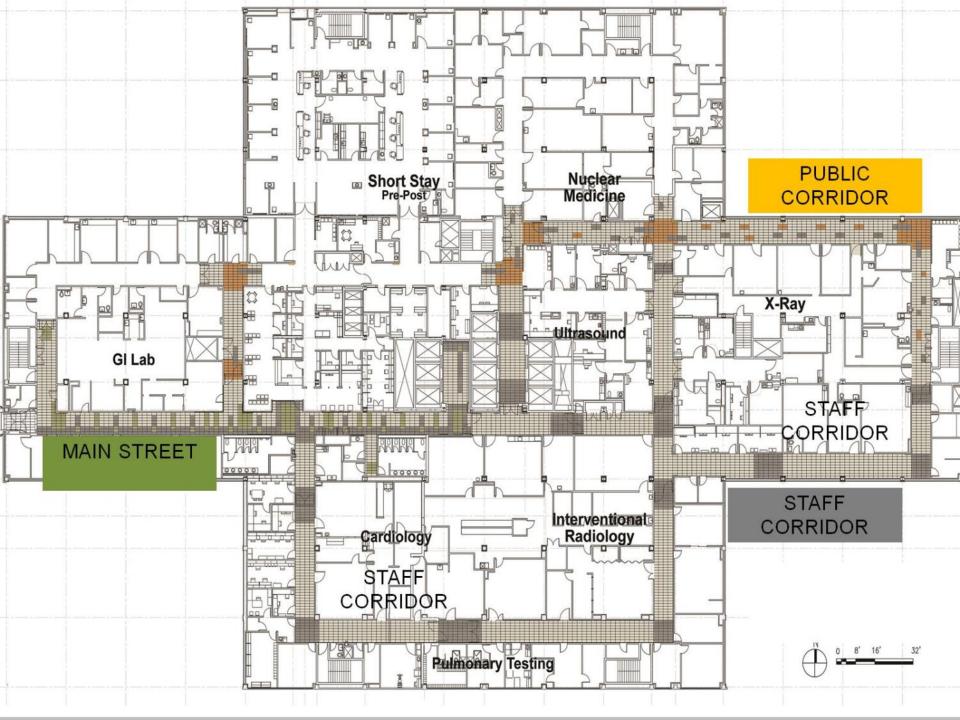
(The ABCs)

- Color and Imagery Branding to lead to destination
- Lighting differentiation
- Hierarchy of size, distance, proportion
- Urban Landmarks





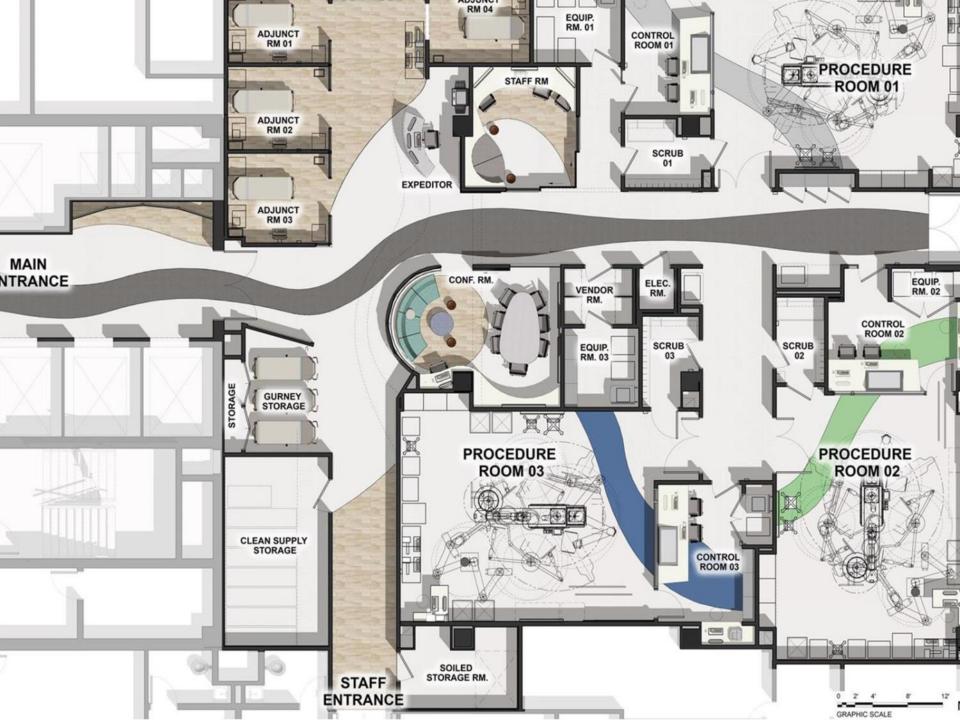
The icing on the cake. . Or a Fix















NeoCon^o

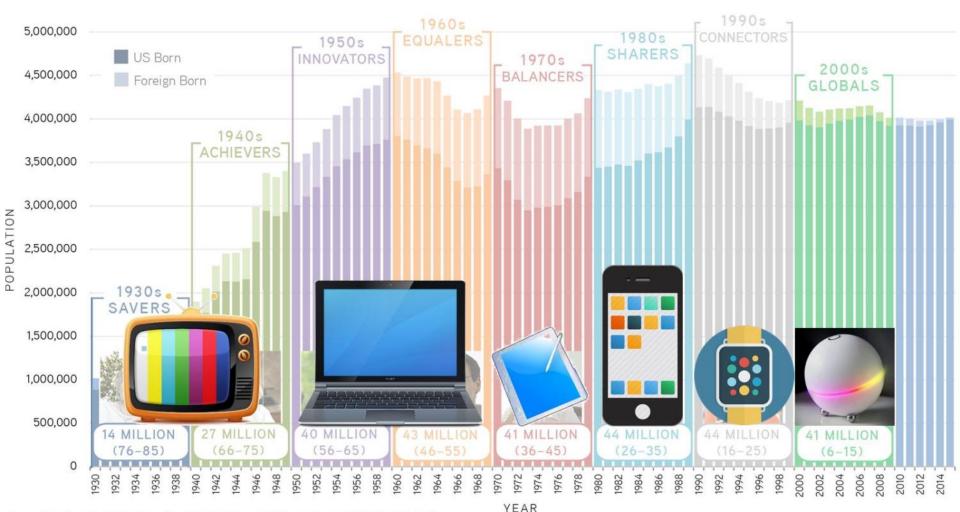




NeoCon° [M109] The Hospital Maze

WAYFINDING: THE HUMAN EXPERIENCE

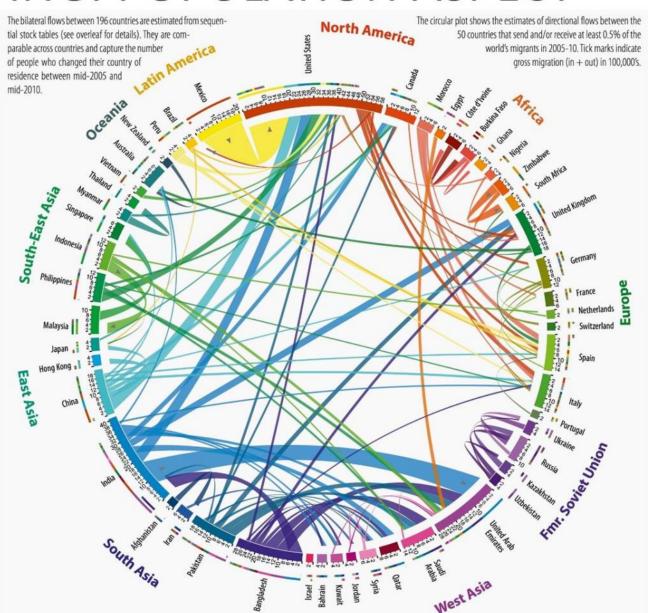
WAYFINDING: GENERATIONAL ASPECT



Source: John Burns Real Estate Consulting, LLC calculations of US Census Bureau 2014 National Projections



WAYFINDING: POPULATION ASPECT





WAYFINDING: POPULATION ASPECT



Source: Department of Homeland Security, Giorgio Cavaggion



TRANSPORTATION HUB UNIVERSITY / COLLEGE **BUILDINGS: COURTHOUSE** PUBLIC BUILDINGS: POLICE STATION / POST OFFICE

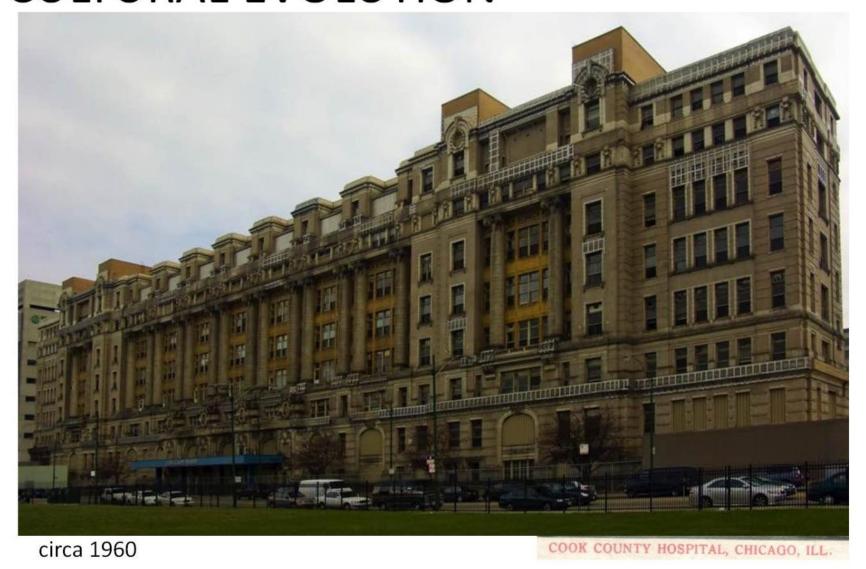
the power of connotation and denotation

NeoCon[®]



circa 1910

NeoCon°



NeoCon^o



circa 1990

COOK COUNTY HOSPITAL, CHICAGO, ILL.

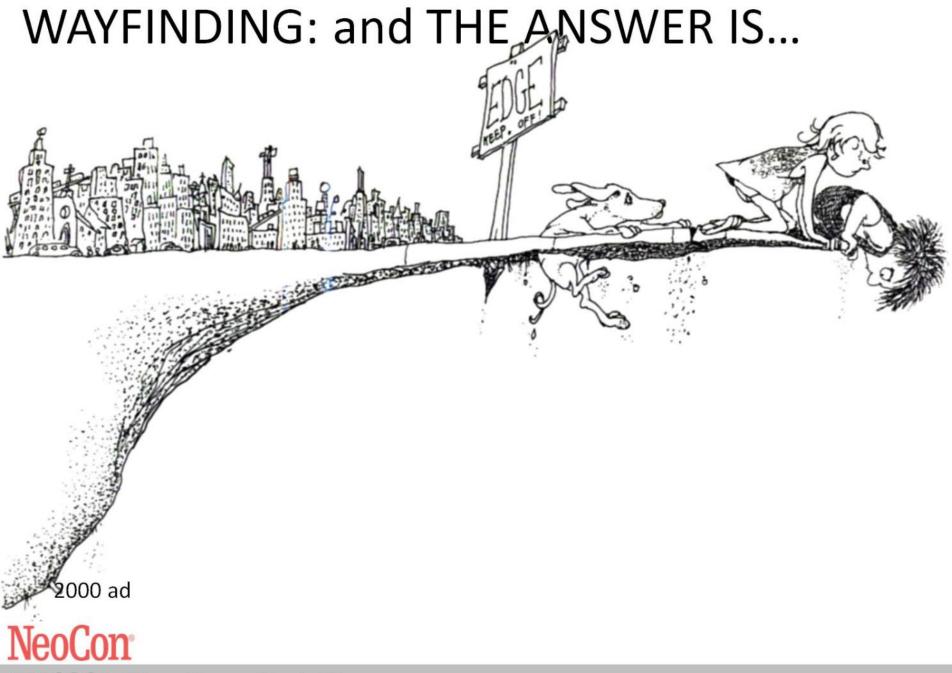




circa 2020

COOK COUNTY HOSPITAL, CHICAGO, ILL.





WAYFINDING: and THE ANSWER IS...







2000 ad

WAYFINDING: and THE ANSWER IS...

Most Important

Building Sections

Districts Building Wings

Destinations

Lobbies Storefronts Fitness Centers

Large Well-Equipped Meeting Rooms Outdoor Seating

Specialty Destinations (VR Room, Innovation Center, Competition Parts Tear Down, AVI Shop, etc.)

Cafetoriums / Cafeterias Food Stations (Quiznos, etc.) 24/7 Markets Combined Food Stations & 24/7 Markets

Vertical Circulation

Stairs Passenger Elevators

Transportation

Shuttle Stops
Bike Share Docks
Car Share Parking Spots
Road Names
Parking Lots/Parking Decks

Private Rooms

Restrooms Lactation Rooms













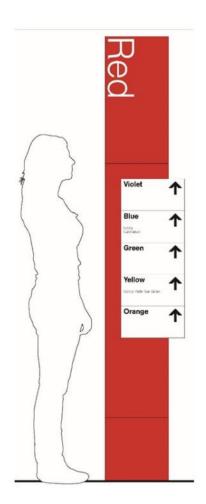


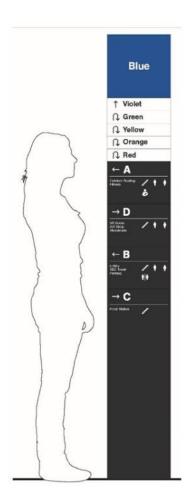


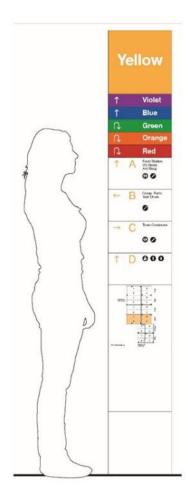


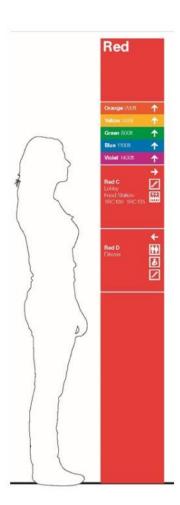


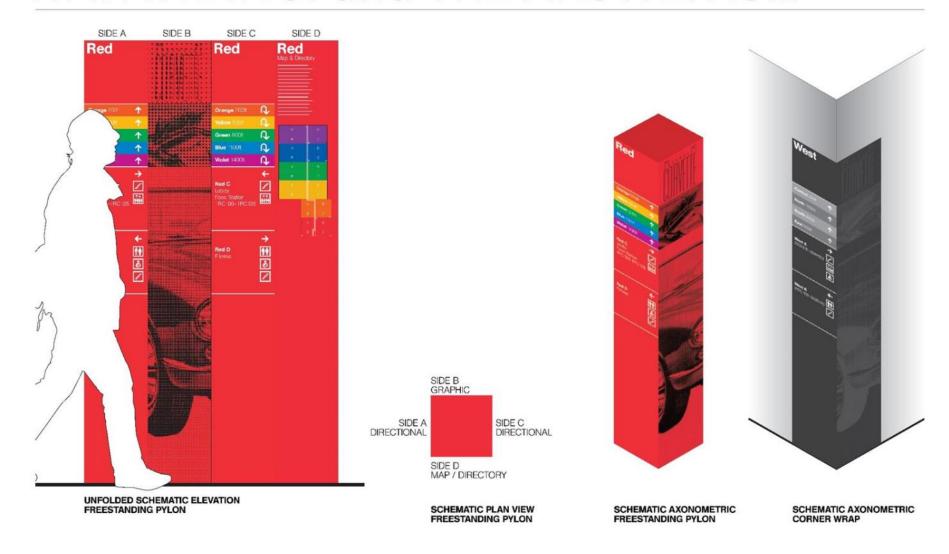
Least











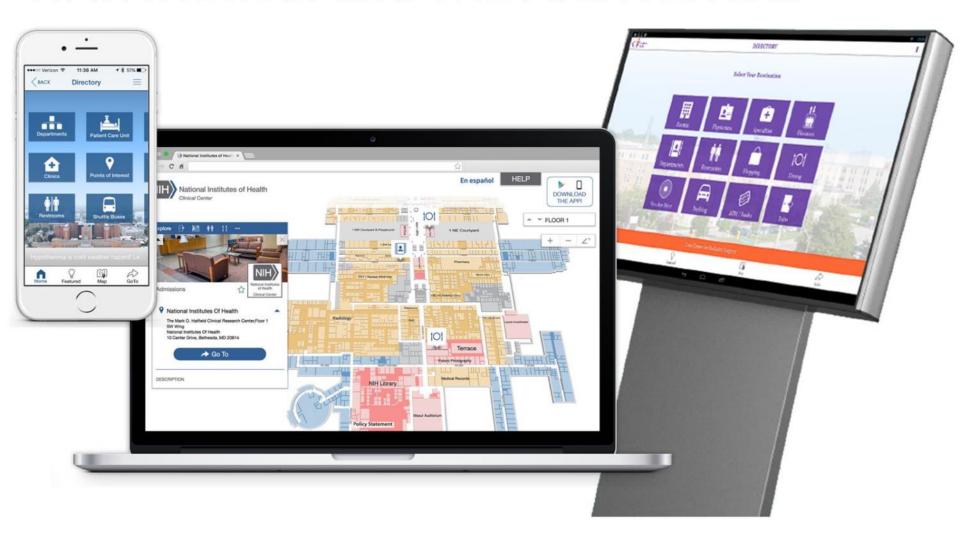


Digital Signage – Implementation

- Educate
- Inform
- 3. Alert
- Engage
- 5. Direct
- Raise Funds
- 7. Communicate
- 8. Save Money









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building as a dynamic kinetic wayfinding environment



NeoCon[®]

building as an enlightened symbol of care

WAYFINDING: REAL TIME EXPERIENCE



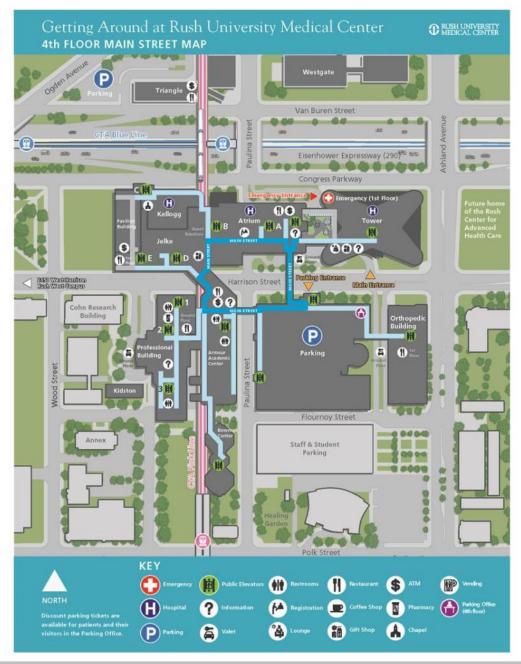
Rush University Medical Center is a not-for-profit academic medical center established in Chicago, Illinois in 1837, comprising Rush University Medical Center, Rush University, Rush Oak Park Hospital and Rush Health.

Rush is a very large campus with over 20 buildings & over 2 million square feet. This makes wayfinding very challenging for patients and visitors.

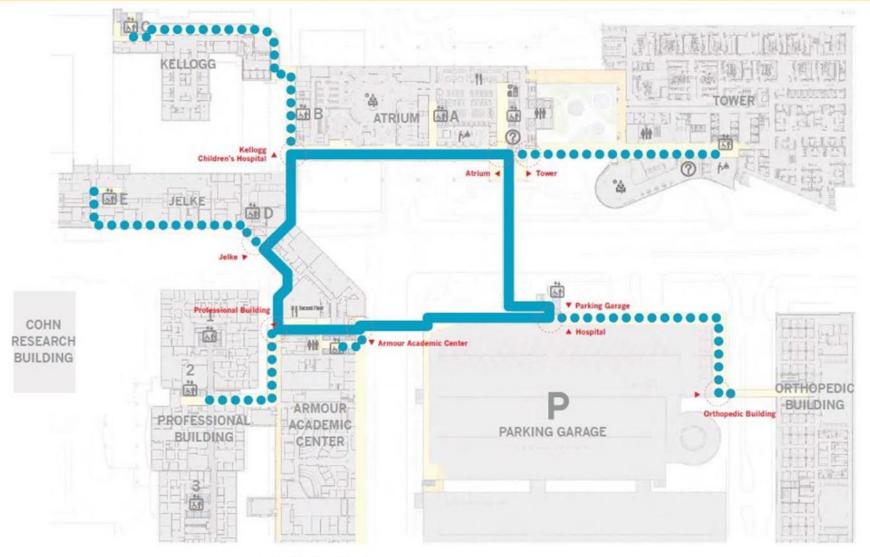
Identifying the Problem

Issues:

- Abundance of Signage clutter
- Site lines for signage are blocked
- Building Identification not easily understood when moving between buildings
- Long distances for travel from building to building
- Lack of maps
- Terminology is confusing/not consistent



4th Floor Main Street



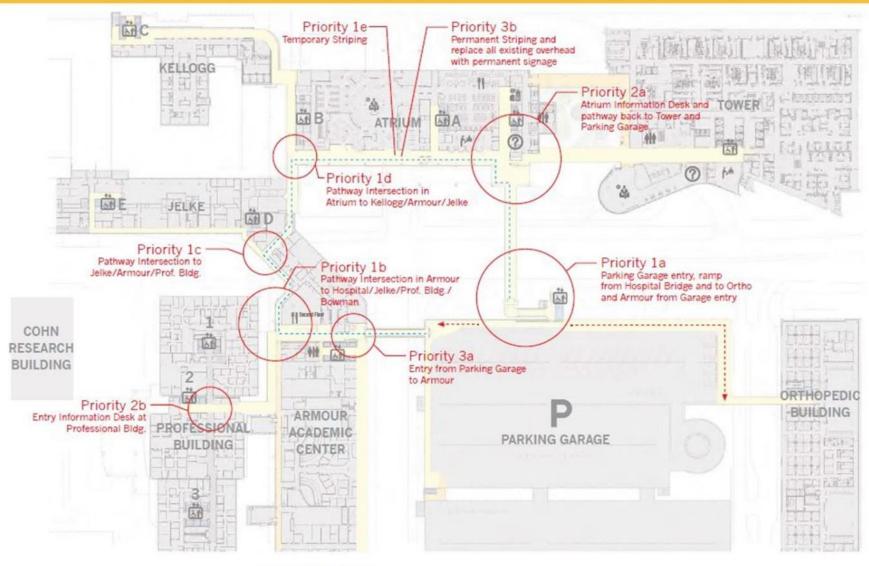
BOWMAN CENTER

Map Recommendations



BOWMAN CENTER

Priority Areas

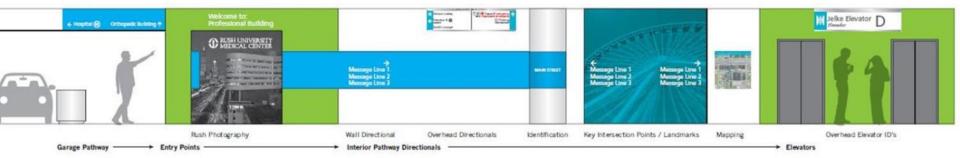


BOWMAN CENTER

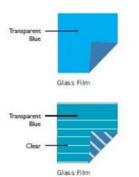
Wayfinding Elements

Components

MAIN STREET OVERVIEW









Vinyl Covering with Applied Viryl Letters





Paint with Vinyl

FABRICATED SIGNS

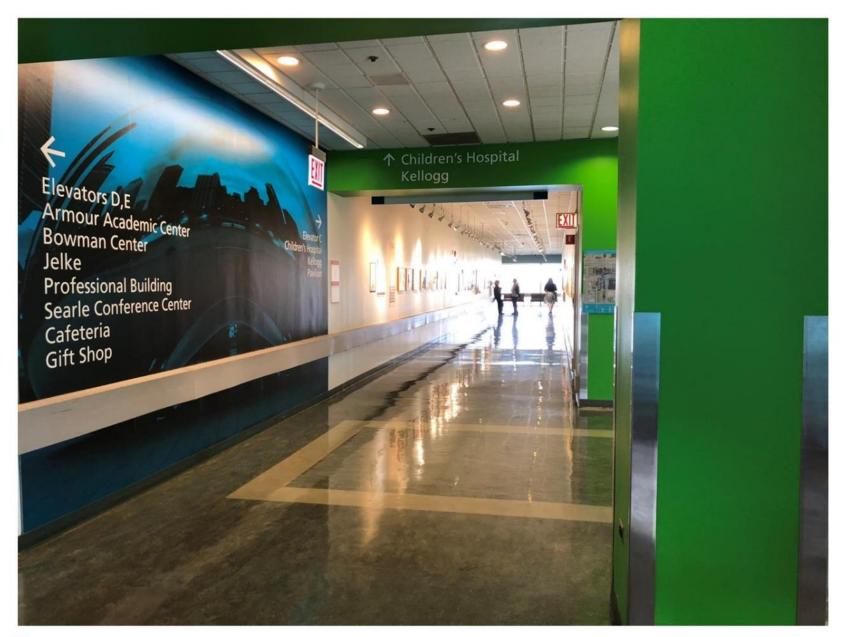


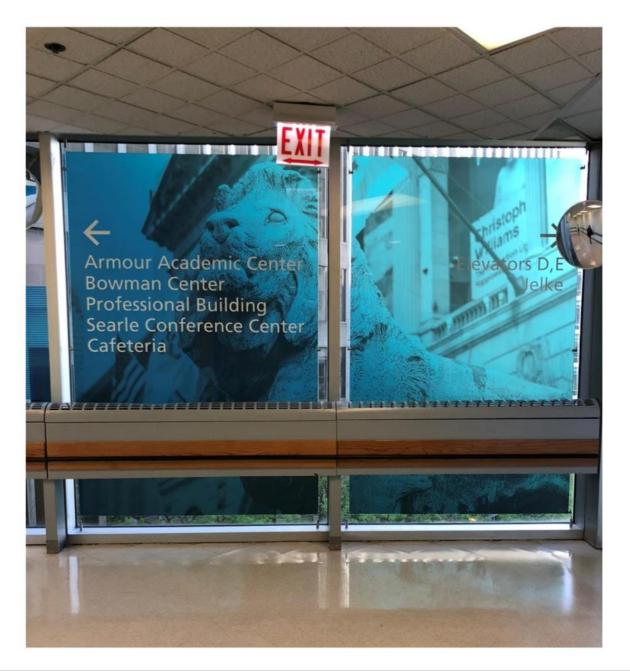




Wall Mounted Campus Maps











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Q + A



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