

### The Build Smart guide to

### BETTER HOSPITAL FLOOR PLANS

Compiled and written by



## Traits

OF A SMART MEDICAL FACILITY FLOOR PLAN



Forward-thinking hospitals plan for security operations early in the **hospital** 

SAFE AND SECURE

design phase. They consider the impact of mandatory security and safety checks on day-to-day hospital operations, and test and plan for obstacles

created by the hospital floor plan that could arise during an emergency. Efficient hospital floor plans account

lights in non-clinical areas in order to reduce the use of energy when unnecessary. SUSTAINABLE During the building phase, the builders recycle all applicable

for implementing motion-activated

materials, earning LEED points for the structure. They also incorporate renewable materials and products with lower VOC emissions into the design.

NAVIGABLE

Great facilities put navigation first. Windows that look out on exterior landmarks help visitors navigate large, complex healthcare facilities.

Additionally, smart hospitals offer electronic versions of their hospital floor plans for viewing on mobile devices.



**CALMING** 

More and more, we're seeing an

increase in the use of natural light in hospital designs due to the link between natural light and the healing process. And incorporating natural surroundings such as indoor gardens, landscapes and aquariums into a hospital's floor plan provides a more pleasing environment for patients and visitors alike. Additionally, the use of hand-held mobile devices for clinical staff communication reduces the disruptions patients and visitors will experience from loud, obtrusive paging systems.

# By the numbers

New hospital construction will include single-patient rooms

PATIENT

27/hlthaff.2011.0662.full

the US IBIS World Report

http://www.census.gov/compendia/statab/2012/tables/12s0134.pdf

Expected 2020

### 8 insights & tips FOR A BETTER HOSPITAL FLOOR PLAN

\$700 BILLION

Personal hospital care expenditures have exceeded \$700 billion every year since 2008



#### Do your homework upfront Whether you're building from

scratch or preparing for a hospital renovation, you must take the time to understand the demographics, needs, wants and goals of a healthcare facility. Look at existing programs and examine what can be improved or added.





#### A large majority of hospital services are now focused on

Outpatient is king, visitors'

experiences paramount

outpatient treatment, making a patient's trip an event. Often Mr. Outpatient thinks – "I'm not sick, I'm not in a hospital. I'm an outpatient." This perception needs to be catered to in the design of your building and structure. Think medical mall. Don't think boring old hospital.



#### use the hospital daily Conduct interviews with the

executive team, physicians and other staff and then propose a master plan. Make sure you listen closely to what key staff are saying and investigate all of the departments.









Work smart to make patient,

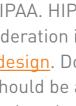
staff and visitor flow as easy and efficient as possible. It's imperative to keep inpatient flow and outpatient flow independent of each other, making medical staff circulation as smooth and discrete as possible.





#### HIPAA, HIPAA, HIPAA, This is a key consideration in hospital

building design. Don't forget it. Privacy should be a goal in all of your design plans. It is here at The Korte Company.





department locations, you'll maximize physician and staff flow and usages. This will ensure that your building runs like a well-oiled machine.



Miami Children's Hospital

Aurora

Center

Medical

BayCare

Vincent

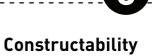
Hospital

Riverview Hospital

University Hospital

#### It's okay to heal your building in phases You don't have to get all the

work done at once and that's really important to keep in mind. Start by working with a financial consultant, your executive team and your hospital's board to determine how you pay for it and when. Then, communicate that to your builder. This makes for minimal disruption to existing hospital programs and a more realistic plan of attack.



and expandability

The future of healthcare is unpredictable, as advance-

ments in technology and treatment processes are always improving. That's a good thing – provided you prepare for it. Bring in <a href="health-">health-</a> care construction professionals now to ensure system designs are buildable,



University of Iowa Health Care

Norton Suburban

Hospital

The Chester

County

Hospital

## Examples OF REAL-LIFE HOSPITAL FLOOR PLANS

Hospital of the

Presbyterian Hospital

Humber River

Regional

Hospital

Meritus Health

**Botsford** 

Hospital

University of Pennsylvania

Calvert

Memorial



Newark Wayne Community Hospital

Wheaton Franciscan - The Wisconsin

Heart Hospital Campus

Hairmyres

Hospital

Valley

University of

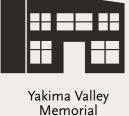
Michigan

Health System

Hospital

. . . . . .























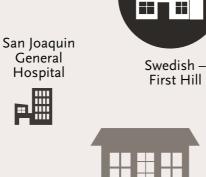


Royal Adelaide Hospital















First Hill















Western Baptist

Hospital



Norfolk General Hospital

**New Corning** 

Hospital







Nawaloka Hospital







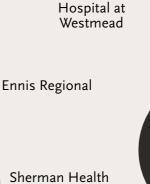




Stanford

Hospital





Hospital







We're a company founded upon building smart. Our healthcare construction services focus on a

holistic healing process through integrated and innovative technology and overall patient well-being. So whether you're looking for a healing garden or a high-tech research lab, we welcome the opportunity to tell you more about healthcare facility construction.

