



Navigating healthcare venues with dynamic indoor maps

IMPROVING EXPERIENCES,
STREAMLINING OPERATIONS, AND
SAVING TIME IN EMERGENCIES



There is nothing simple about the modern hospital – and there is nothing simple about running them either. For many healthcare facilities, it is a constant balancing act of cutting costs, optimizing existing resources, and improving patient and visitor experience. But how can all these factors seamlessly come together?

The answer is **indoor mapping**.

A dynamic indoor map provides everyone in your building with accurate wayfinding and offers you the ideal foundation for visualizing important data.



In this guide we will show you how an indoor map helps you

- ▶ Enhance patient and visitor experience
- ▶ Reduce delays in emergencies
- ▶ Track important assets
- ▶ Monitor occupancy and see how your spaces are used
- ▶ Book shared resources such as rooms



Wayfinding

Kiosk solution and mobile application

Modern hospitals are equipped with state-of-the-art technology to treat rare diseases and injuries and perform complex surgeries. However, the wayfinding system often seems stuck in a bygone era, relying on colored lines and signage that sometimes create more confusion than guidance. The result?

Navigational challenges also lead to late arrivals and no-shows, causing delays and leaving staff and expensive equipment idle. To mitigate inefficiencies caused by no-shows, some health centers intentionally overbook patients, ensuring that resources are not underutilized. However, this practice can lead to extended wait times when patients do show up for their scheduled appointments, further diminishing the overall patient experience.

Healthcare facilities that are notoriously hard to navigate.

An indoor map can be seamlessly integrated into both kiosks and your mobile application, ensuring that patients and visitors always have accurate wayfinding at their fingertips.



More than 85% of patients ask for directions when they go to a hospital or other public health facility (and 30% of first-time visitors get lost).



Staff members spend an average of **40 hours per year** giving directions to patients and visitors.



One study showed that lost patients cost the organization **\$220,000 a year in labor costs** from staff helping patients get to the correct location for care.



By placing kiosks in lobbies and entrances, you empower anyone entering your facility to search for their destination as soon as they step inside your building. Once they have located their destination, they can easily have the directions sent to their phone, eliminating the need to memorize them.

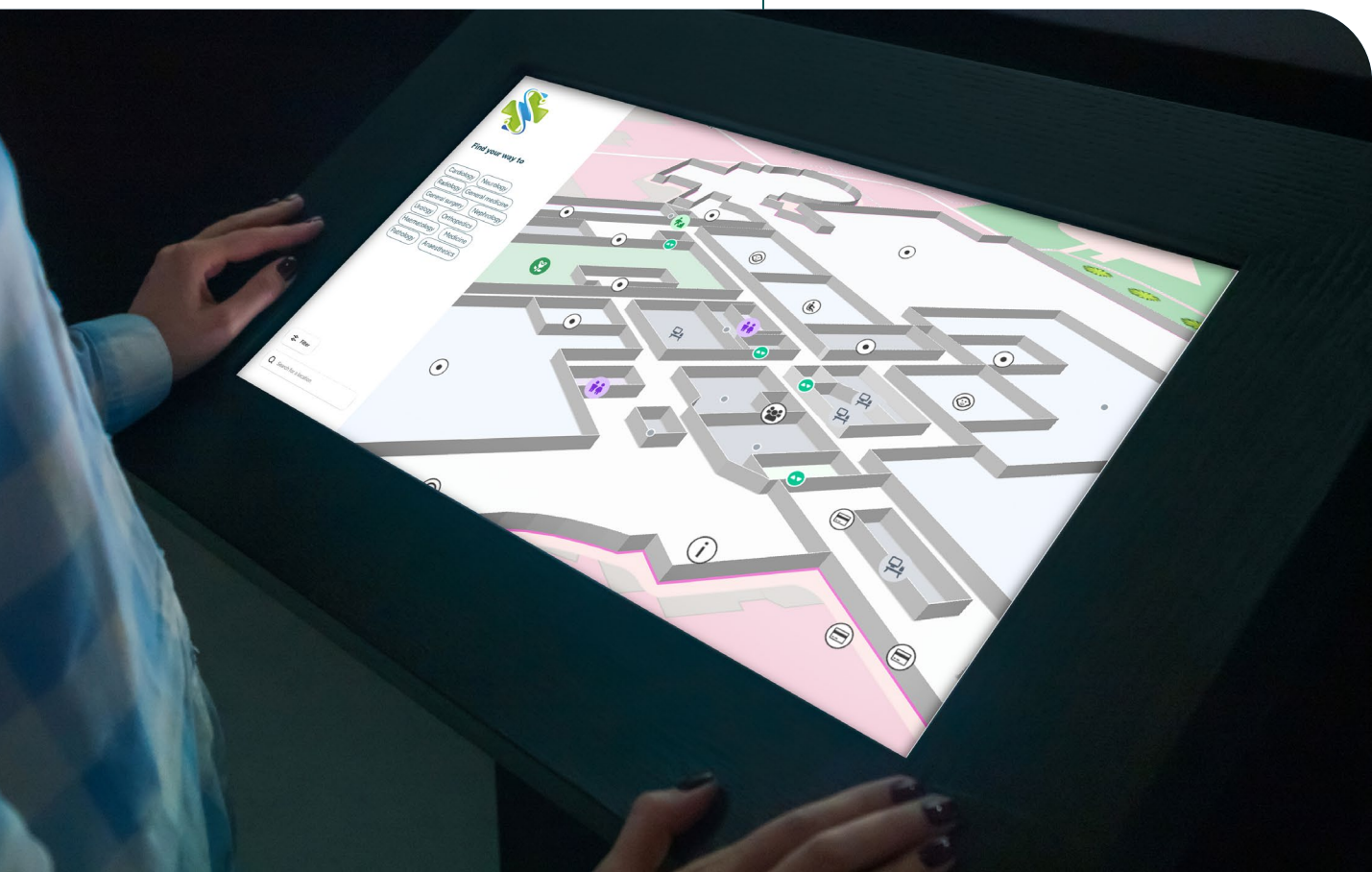
By incorporating the map into your mobile application, you enable patients and visitors to prepare for their visit in advance. This helps them find the right entrance and nearby parking spaces, and even see the estimated time of arrival from their front door to the doctor's office, so they know exactly when to leave to arrive in good time - all from the comfort of their home.

Integrations with parking management systems can even allow visitors to reserve a space near the required entrance, so they do not waste time hunting for an available spot when they get there. By pairing the map with your indoor positioning system, you empower them with turn-by-turn navigation, making wayfinding seamless and the experience stress-free. But there is more...

Saving precious time

Studies reveal that approximately 25% of hospital employees are uncertain about critical locations on their own campus. In emergencies, every minute counts, and choosing the quickest route can make the difference between life and death.

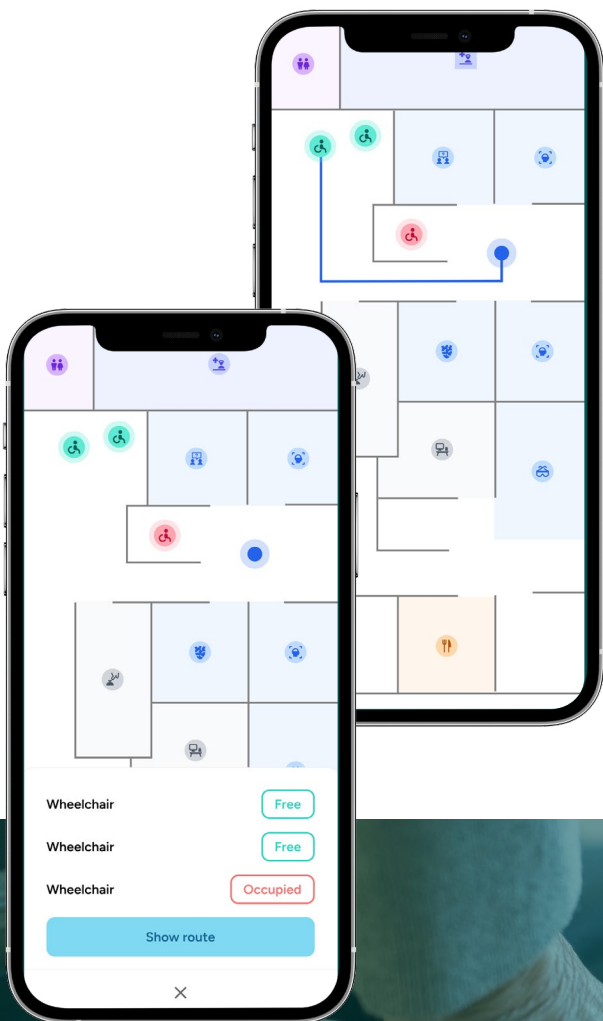
By also providing staff with an indoor map of your spaces and accurate wayfinding, you ensure that everyone can quickly find their destination. Staff members can either select their destination directly on the map or search for the room if it is not immediately visible. Depending on how your emergency staff are notified, they can also receive a notification with a link. Clicking the link will automatically open the map with predefined directions, guiding them directly to where they need to be.





Data visualization

Indoor maps are not only great for wayfinding; they also allow you to visualize important information in real-time, solving a number of challenges from asset tracking to space optimization.



Asset tracking

Keeping track of important equipment like beds, wheelchairs, IV pumps, defibrillators, and more is not an easy task. Lost equipment can be an expensive challenge as porters waste time searching for misplaced items and missing equipment needs to be replaced.

A dynamic indoor map allows you to visualize the exact location of important equipment in real-time. Unlike spreadsheet-based asset tracking solutions that only show the room number where an item is located, an indoor map provides spatial context, making it easier to determine the equipment's precise location.

In addition, the map enables porters to search for specific equipment like defibrillators to see where they are located in relation to their own position. This enables them to find the one closest to them quickly and easily.





Occupancy and IoT data

Whether you are managing 100, 1,000, or 10,000 staffed beds, maintaining an overview of occupancy can be quite a challenge.

Think about how much time you currently spend keeping track of room occupancy and available beds. Now, imagine a solution where all you need to do is open a map of your facility, and all relevant data appears right in front of you.

Having occupancy data visualized on a map of your spaces enables you to quickly identify hospital overcrowding, available beds, the number of patients in each ward, and opportunities for space optimization.

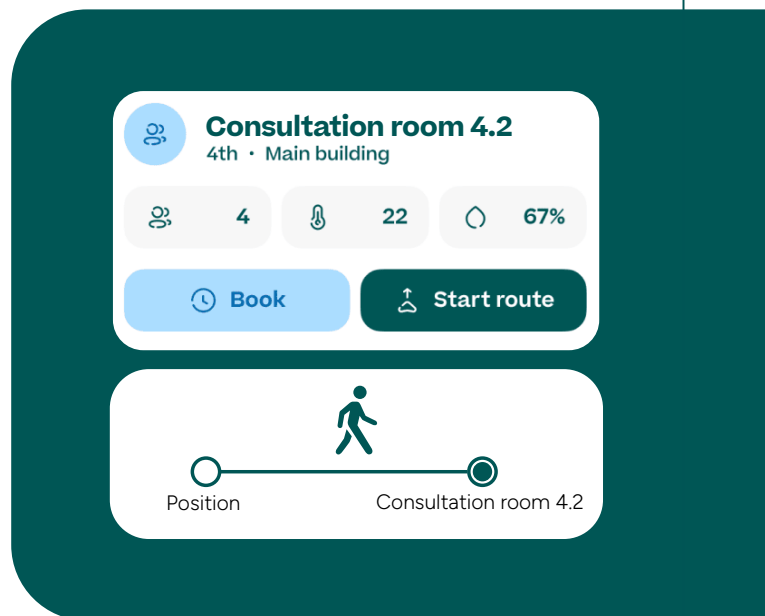
An indoor map also enables you to visualize IoT and sensor data. By integrating sensor data with your indoor map, you can create a heatmap showing which areas of your hospital are well-used and which are underutilized. This helps you ease the flow of traffic, but it can also save you money. By identifying and repurposing or reconstructing underutilized areas, you can save money on expansions that would otherwise have been needed.



Resource booking

Finding an available room for your needs should be a straightforward task. However, in large and bustling environments like healthcare complexes, it quickly becomes a frustrating and time-consuming challenge.

Just as an indoor map enables you to visualize occupied and unoccupied beds, it also allows you to visualize room occupancy. This streamlines the process for staff to locate nearby available rooms. Moreover, by integrating the map with a booking solution, you empower them to reserve rooms directly through the map, making the process even more efficient.



Profile-based map views

Perhaps you are wondering how to integrate all this data into a single map without adding confusion and frustration.

With profile-based map views, you can use the same map to create different views for various user groups. This ensures that everyone always has quick and easy access to the data they require while excluding irrelevant information.

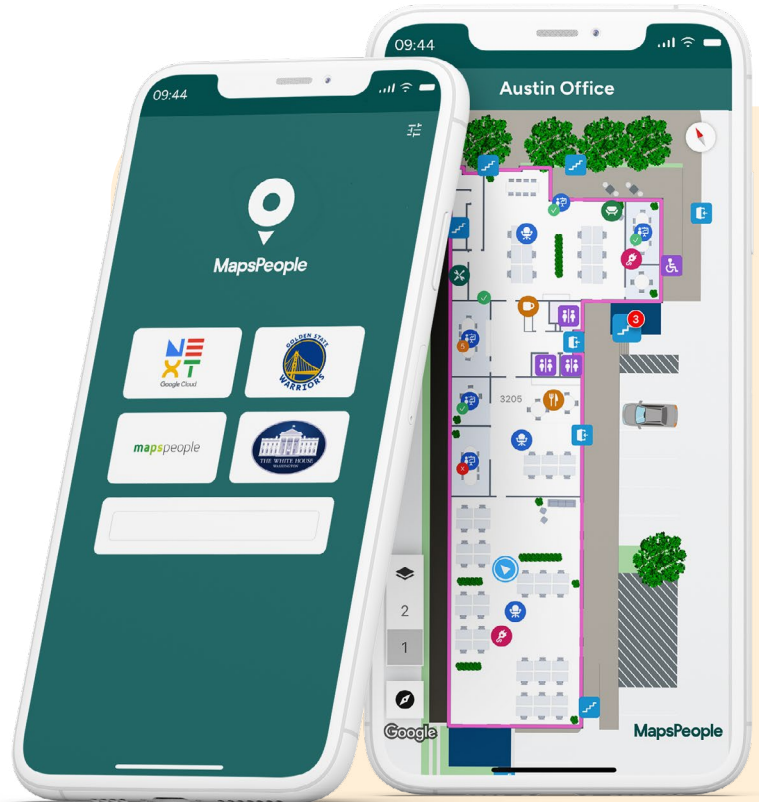
The perfect foundation for your needs

MapsIndoors is an innovative indoor mapping platform that allows you to create a tailored solution to meet your exact requirements.

MapsIndoors consists of indoor mapping SDKs for any platform and APIs that allow you to integrate with any third-party data system, IoT device, and sensor system, so you can build the perfect solution for your needs.

With MapsIndoors, we provide you with everything you need to elevate your own solution with indoor mapping capabilities.

If you want to learn more about the benefits of a dynamic indoor map, reach out to schedule a personal demo or a brief discussion about your specific needs and solutions. You can also visit our website at www.mapspeople.com to find additional information.



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