

# Samsung uses 5G to fuel the future of smart hospitals

## Article

**The news:** Samsung's South Korea-based Samsung Medical Center is taking a big step toward becoming a 5G-powered, robotics-enabled hospital by undergoing an infrastructure assessment via the HIMSS Infrastructure Adoption Model ([INFRAM](#)).

**What is INFRAM?** It's a blueprint for digital health advancement developed by HIMSS that consists of eight stages of digital health integration, like having a private cloud strategy

(Stage 3) and home-based telemonitoring (Stage 7).

- Samsung is currently trying to obtain Stage 6 certification: hybrid cloud infrastructure and automation tools for virtual and non-virtual platforms.

**Samsung's digital health push:** Here's a recap of some of the biggest strides Samsung has made in digital health lately.

- Back in April, Samsung partnered with remote patient monitoring (RPM) firm **Livmor** to secure a deal with the US Department of Veteran Affairs (VA) to roll out an RPM platform for cardiology care.
- In June, its R&D hub (**Samsung Advanced Institute of Technology**) unveiled a prototype heart-monitoring display that can be stretched to attach comfortably to human skin and can measure real-time heart rate data.
- Samsung showcased its latest smart hospital display and telehealth partnership with **Logitech** at the August 2021 HIMSS conference.
- And in September 2020, Samsung partnered with health insurer **Centene** to distribute smartphones in rural communities in the US to expand virtual care access.

**The bigger picture:** Samsung seems focused on remote patient monitoring and smart hospitals—and having a fully functioning 5G-powered smart hospital could help it attract more health system and hospital customers in different global markets.

5G can drive cost savings, increase patient access to quality care, and alleviate many current limitations of RPM and virtual care—which are critical to developing a smart hospital.

In fact, many health systems view 5G as the most important technology for facilitating their digital transformation.

- **About two-thirds (66%) of C-level healthcare executives** said that was the case for their organization, while fewer respondents **said so of AI (47%) and cybersecurity (42%),** according to an RSM survey published in June 2020.

However, it's also important to consider how US hospitals and health systems face unique barriers since, unlike South Korea or other countries, there's no centralized, government-sponsored healthcare agency, making challenges like interoperability more cumbersome.

***Dig deeper:*** Check out our [\*Smart Hospitals Report\*](#) to learn more about the use cases and best practices for implementing digital health technologies that'll make hospitals "smart."

**Current vs. Planned Technology Deployment in Healthcare Organizations According to US C-Level Healthcare Executives, Jan 2021**

*% of respondents*

	Current	Planned
Cloud computing	78%	20%
Data analytics	66%	30%
Enterprise resource planning software	60%	31%
Internet of things (IoT)	59%	35%
Blockchain/digital ledger technology	46%	37%
AI/machine learning	38%	61%
AR/VR	23%	51%
3D printing	23%	17%
Robotic process automation	21%	64%
5G	20%	57%

Source: BDO USA, "2021 Healthcare Digital Transformation Survey" conducted by Rabin Research Company, June 15, 2021

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