

SEO-friendly elements:

- *Formatting short paragraphs, headers, subheads and bullets,*
 - *Images/ graphics to expand the content,*
 - *Keyphrase usage four to six times in the body of the article (robots, pandemic, technology),*
 - *Related phrases use these throughout the article (disinfect, various, patients, medical),*
 - *Length 800+ words for building SEO,*
 - *Link from the post to a web page and another article.*
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Robots in pandemic - superheroes for hard times

Have you ever tried to imagine how technology helps fight a pandemic? It's not that hard, since we are living in such times. To better illustrate this, I'll give you some stories, told by the characters themselves: the robots.

Fast as the *Flash*

The virus is fast. He's here, he's about to be where he hasn't been before. And so I use my superpower: speed. The sensors measure the body temperature of passing people. And as soon as I find something suspicious, I send that information to the responsible staff. I am in constant motion, here, there. I scan the surfaces on my way, check the alleys, look into the corners, and clean the spaces. And I act quickly and efficiently as the Flash.

Our robot analyzes faster than a human brain thanks to its built-in databases and computing capabilities. It targets potentially sick people within minutes. Moves to dangerous areas infected with the virus. There it cleans the space, disinfects, and restores sanitary safety. Examples of robotic applications:

- [cleaning floors](#) and other flat surfaces,
- [emitting UV-C rays](#) to destroy viruses and other microorganisms in the air,
- [spraying substances](#) that neutralize viruses.

They can be found in hospitals, public places or on airplanes.

Robots in pandemic

It takes between **10 and 15 minutes** to disinfect a typical room, with the robot spending **1 or 2 minutes** in five or six different positions around the room to maximize the number of surfaces that it disinfects.



Source: [Autonomous Robots Are Helping Kill Coronavirus in Hospitals - IEEE Spectrum](#)

Without *Superman's* cape

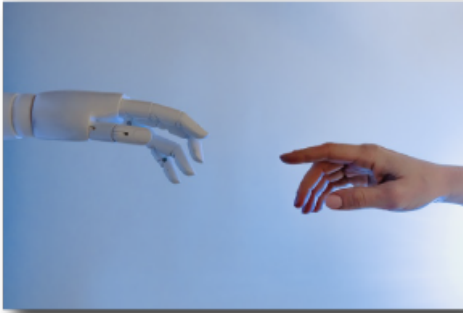
I like my job at the hospital. I don't even have to wear a Superman costume or protective clothing. Instead, I help anyone in need. I am on duty every time a patient calls and I patiently listen to their concerns. I check their current well-being, monitor their vitals and alert medical personnel if problems arise.

Robots in hospitals help medical personnel with:

- [interviewing patients](#) and reporting the results to the doctor,
- [monitoring patients' basic vital functions](#) such as temperature, blood pressure, oxygenation levels, etc.
- simplifying patient care because there is no need to change protective clothing, which saves time and money,
- [delivering](#) samples, medications, food and other equipment to patients' beds.

Their tasks are highly specialized and hence they are mainly used in hospitals, telemedicine or as an aid in delivering supplies to medical staff and patients.

Robots in pandemic



In **January 2020**, healthcare staff at Providence St. Joseph Health in Washington used a **Vici Robot by Intouch Health** to remotely communicate and measure the **patient's vital signs**, saving on PPE and reducing risk of exposure in the early days of the pandemic when little was known about the virus.

Source: [Making sense of the robotized pandemic response](#)

Diagnostics? Not a problem for *Hulk*

Every place where you need a scientist, who combines knowledge from fields such as physics, biology, chemistry, engineering or medicine, I am the right choice. Should I check the swab sample? No problem, it's a cinch for me. Thousands of them to be checked? I can manage it, I don't get tired that easily. I just need a peaceful and quiet environment. Otherwise, I get nervous! There's a green monster coming out of me!

Robots used during a pandemic that perform testing are invaluable since they:

- guarantee repeatability and accuracy of the tests,
- deal with the complexities of [testing procedures](#),
- minimize the risk of personnel infections through testing and direct contact with samples.

Despite their very high precision of movement, they are not yet able to independently collect swab samples from patients. But with the right technology and better software in the future, they will achieve this ability very soon.

They work relentlessly, are meticulous and come in handy especially when there is a lack of properly trained staff. Their main workplace are the laboratories that test swabs for the virus.

Robots in pandemic

By the end of 2022 over **57% of doctors** will use some kind of telemedicine (USA).



What **diseases** can be treated without in-person visits?

- routine infectious, diseases,
- hypertension,
- diabetes,
- stroke diagnosis.

Source: [Robotic medicine may be the weapon needed to combat the coronavirus \(cnbc.com\)](https://www.cnn.com/2020/03/26/health/robotic-medicine-coronavirus/index.html)

The sense of order by *Wonder Woman*

If something is not right, I will find it out. My senses are reliable. I am resilient and trustworthy. I was entrusted with the tasks of keeping order: taking care of the social distance, keeping an eye on disinfections and controlling the wearing of masks. I remind everyone of the rules to the point of boredom. Imagine there is a man who repeats constantly, "Please put on a mask", "Please disinfect your hands", "Please keep a social distance". He could not even manage an hour of acting like this. And I am happy to do it. With my digital smile on display.

The list of tasks that mobile robots perform during the pandemic includes activities such as:

- recalling pandemic restrictions,
- [monitoring groups](#) of people in airports, shopping malls and sending alerts when too many people gather in a small space,
- non-contact checking of body temperature and informing appropriate services about a threat.

Robots with these characteristics can be found in public places, public transport and shopping malls.

People are superheroes too

The group of superheroes with extraordinary powers is quite large. These stories are just a small part of the possibilities they present. And robots are indeed endowed with superhuman abilities to some degree, but we who are fighting a pandemic are superheroes too.

As Superman character - Christopher Reeve - once said:

"I think a hero is an ordinary individual who finds strength to persevere and endure in spite of overwhelming obstacles."

Technology supports us in these hard times and makes it easier to respond to emergencies. We are not alone in this struggle. Let us make full use of the potential of new technology, because it is on our side.

The report ["Making sense of the robotized pandemic response"](#) was the basis and inspiration for writing the article. You will find there more information and details about the way the robots support us in the pandemic.