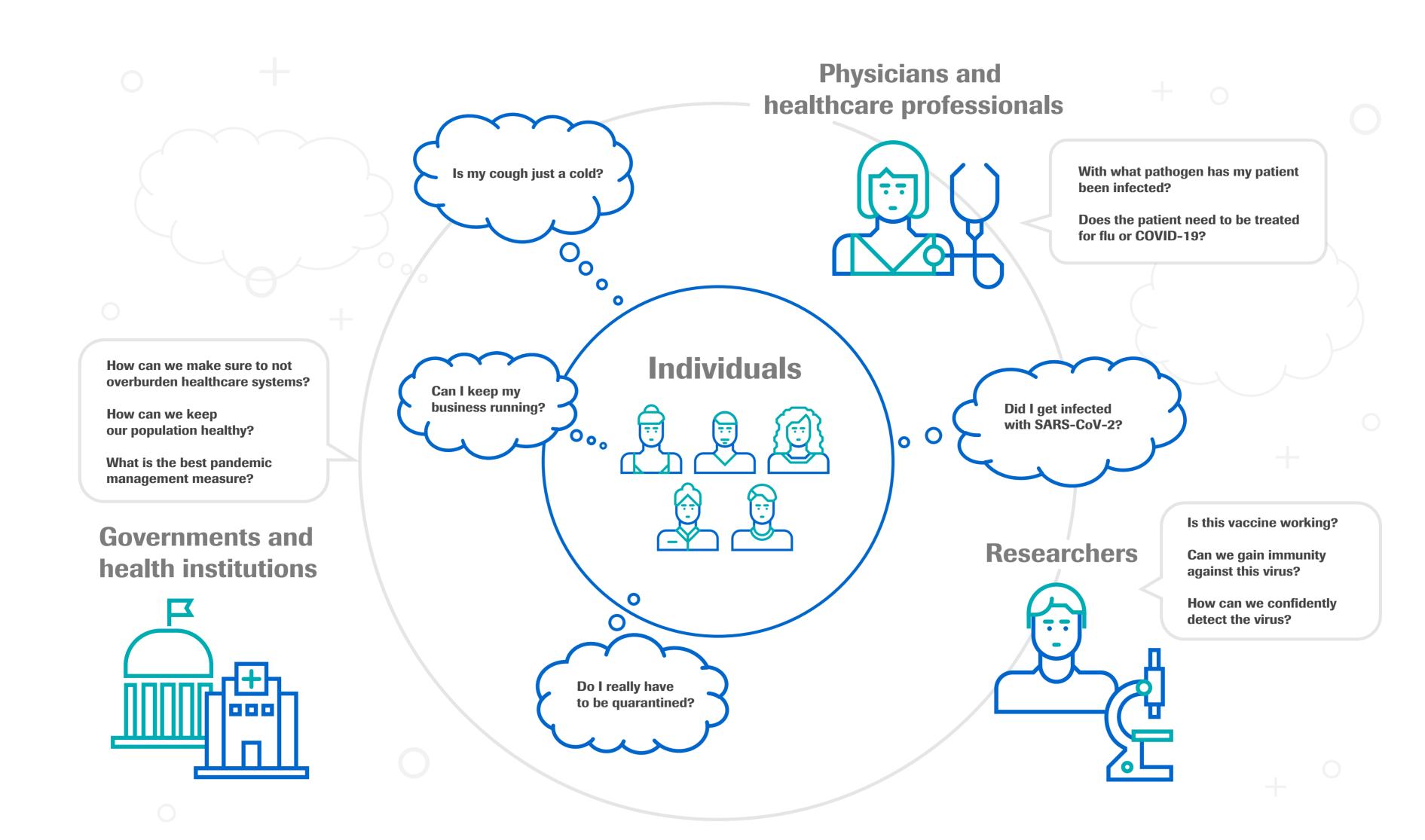


3 FACTORS TO HELP DECIDE ON THE APPROPRIATE SARS-CoV-2 TEST

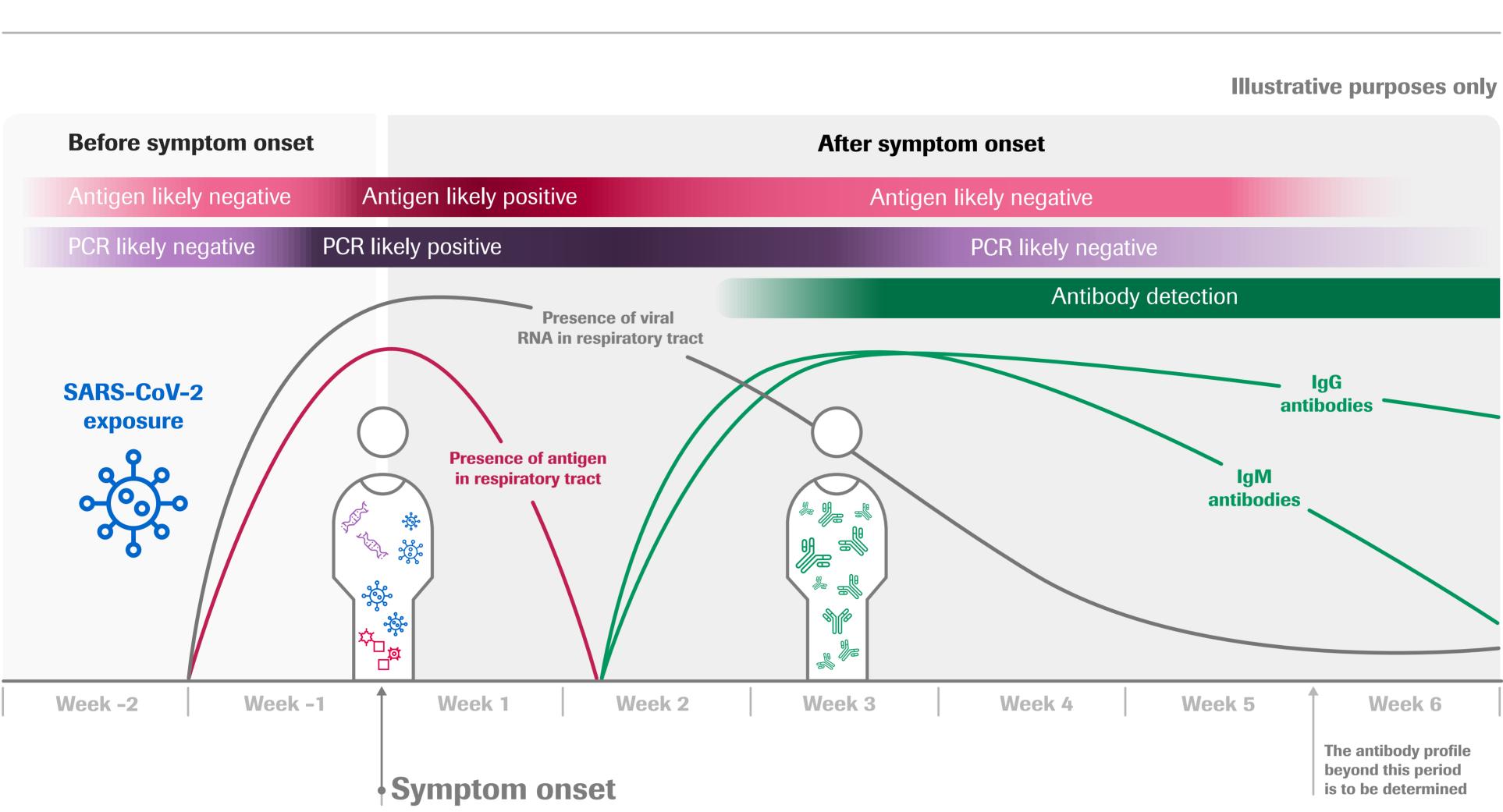
The outbreak of SARS-CoV-2, the virus that causes COVID-19, led to a wealth of questions on how to manage the virus. Many of these questions can be answered with the help of diagnostic tests.



All types of tests can help healthcare providers make more accurate diagnosis, support better management of individual patients and provide better guidance to manage population risk. Choosing the appropriate test depends on the following factors:

There's a growing variety and availability of tests related to SARS-CoV-2.

Factor 1- Disease stage Diagnosing active infections and managing resolved infections require different technologies.

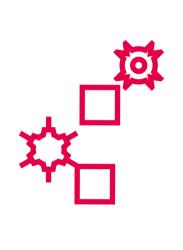


RT-PCR tests detect the presence of SARS-CoV-2

Active infection is detected with **RT-PCR or antigen tests**

based on its genetic make up (RNA).

Increasing probability of detection



Antigen tests detect certain proteins of SARS-CoV-2.

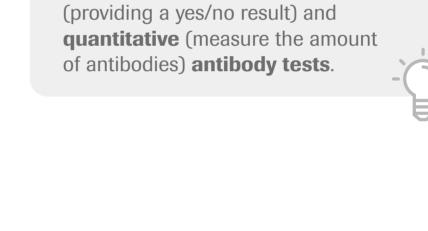
Antibody tests measure the body's immune

Past infection is detected with antibody tests



the nucleocapsid or the spike protein.

response to SARS-CoV-2 antigens, for instance



We distinguish between **qualitative**

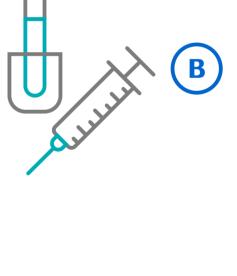
Nasopharyngeal swab (NP) Nasal swab (N)

Depending on the technology, different samples may be collected.



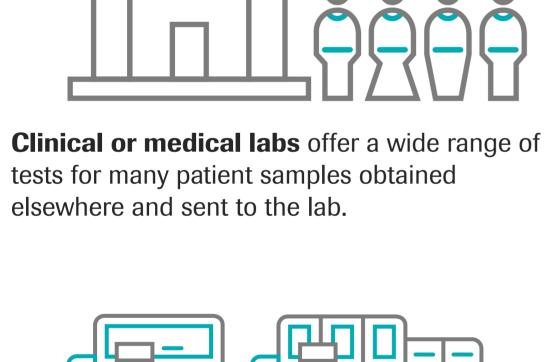


Blood (B)



Different healthcare settings require different instruments and tests.

Factor 2 - Testing location

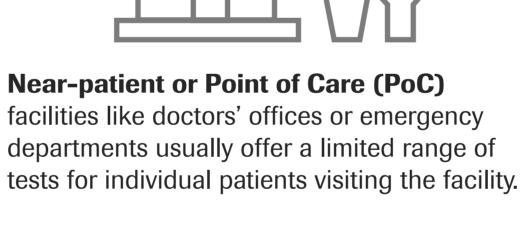


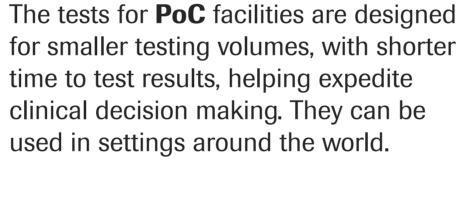


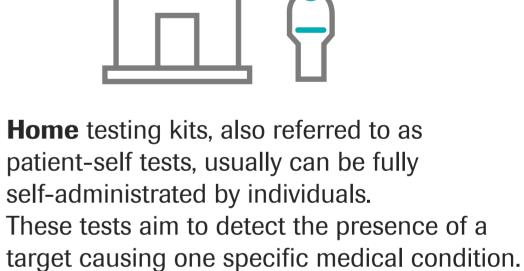
The **instruments in labs** are usually highly

automated and designed to process large

numbers of patient samples.







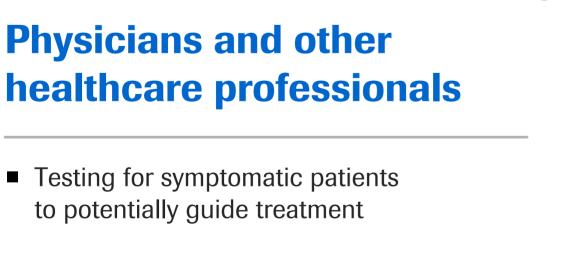


quickly. The ease of use allows for more

frequent testing.

Factor 3 - Testing purpose

The selection of the appropriate test also depends on the respective question one wants to answer.



Managing exposed individuals and essential workers Testing of asymptomatic individuals to

contain disease spread and potentially

PCR

manage outbreaks

 Supporting the development of vaccines through tests that measure levels of antibodies to the virus



to advise governments, health institutions and healthcare industry

potentially be serum and plasma donors

for developing treatments for COVID-19

Researchers

- Helping with the development of treatments for infected patients
- Understanding disease prevalence in order

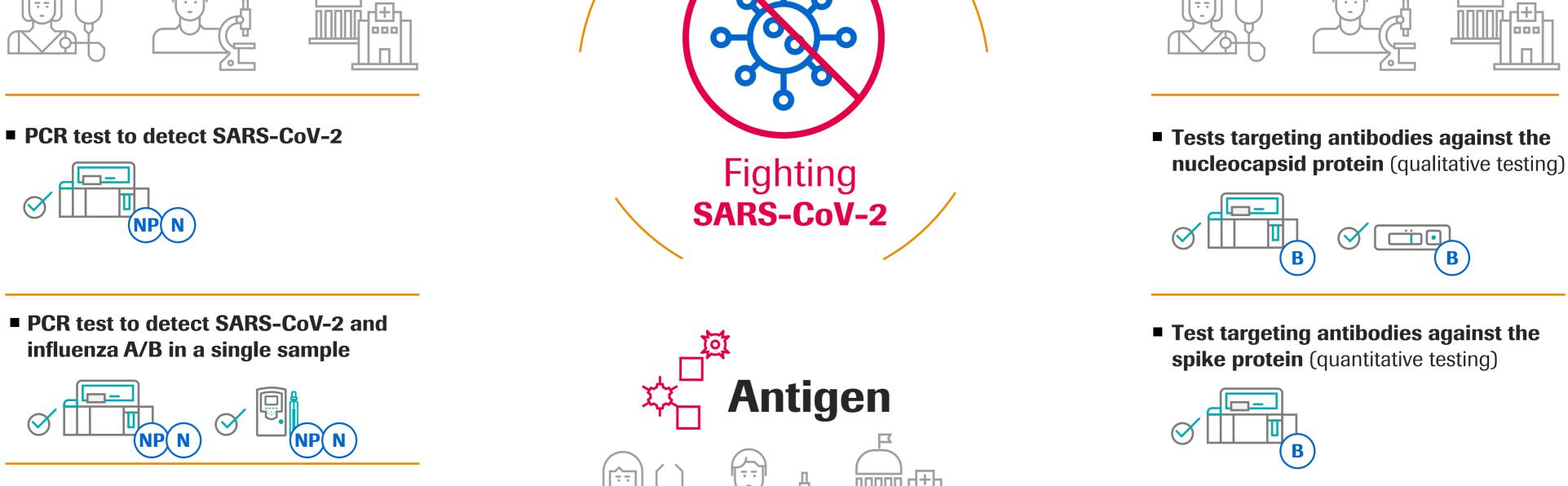


and surveillance Expand access to testing

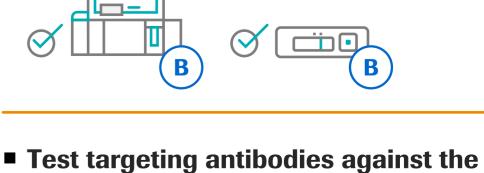
Help facilitate contact tracing

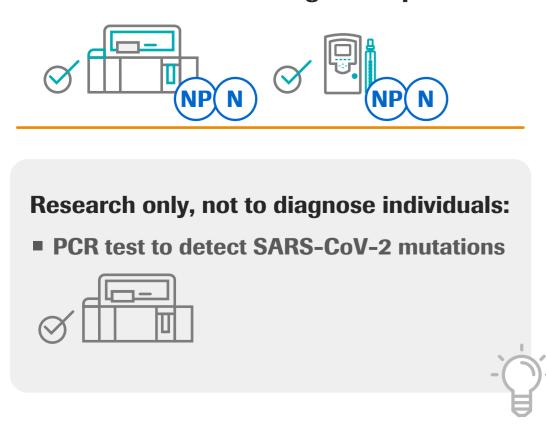
Testing types provided by Roche

Meeting the testing needs across the healthcare continuum requires a broad SARS-CoV-2 diagnostics portfolio.









NP Nasopharyngeal swab Nasal swab Blood

