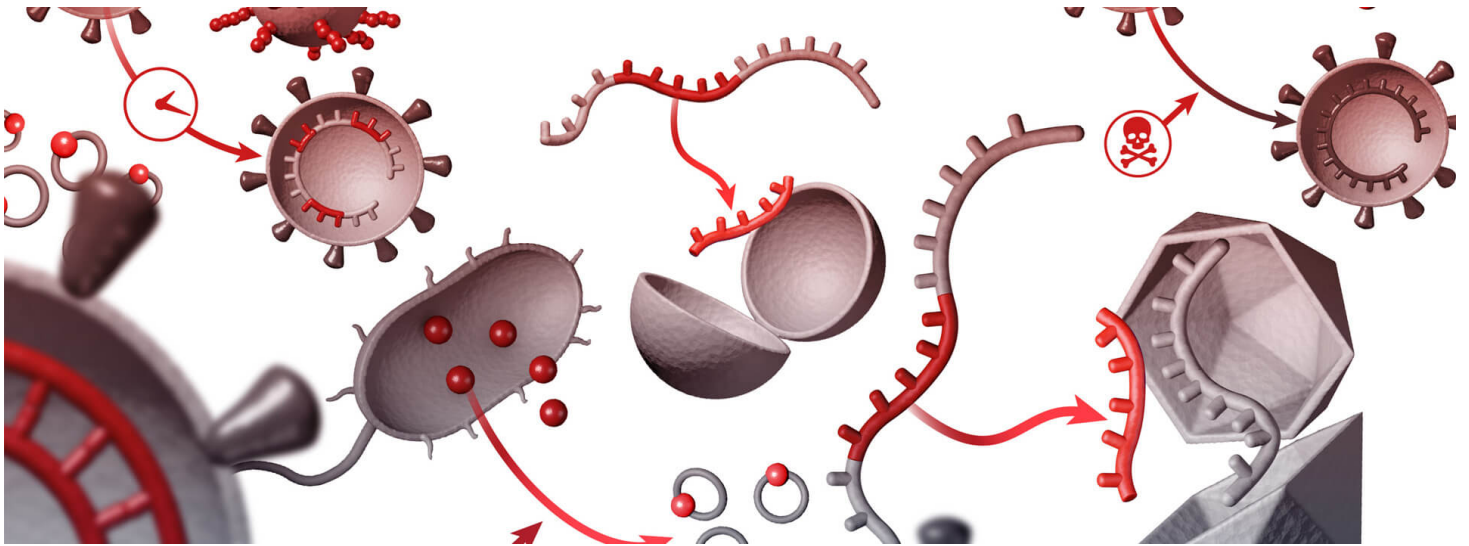


# Understanding Six Types of Vaccine Technologies

Thursday, March 31, 2022



Ever since the first vaccine was developed in 1796 to treat smallpox,<sup>1</sup> several different methods have been created to develop successful vaccines. Today, those methods, known as vaccine technologies, are more advanced and use the latest technology to help protect the world from preventable diseases.<sup>2</sup>

Depending on the pathogen (a bacteria or virus) that is being targeted, different vaccine technologies are used to generate an effective vaccine. Just like there are multiple ways to develop a vaccine, they can also take on multiple forms—from needle injections and nasal sprays to oral doses, a more recent innovation.

In total, there are six different vaccine technology platforms, each with its own benefits, and examples. We spoke with Ingrid Scully, PhD, Senior Director of Vaccine Research and Development at Pfizer, about what makes each one special.

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