How Document Automation Software Can Aid in a Swift COVID-19 Response

White Paper

A Windward Studios White Paper 2020

windward studios

There are crucial lessons the world scientific and research communities are learning every day from the relentless spread of COVID-19 pandemic. And, the importance of accurate research reports and reliable clinical trial documents can't be overlooked.

Windward in Your Lab

Using advanced document automation software like Windward for creating clinical trial reports (it can include adverse event documents and safety documents that are repetitive during the preclinical testing and clinical development) can speed up the process of delivering a vaccine. If everything goes right then you might even come up with a COVID-19 vaccine a month early—as a result, you could save tens of thousands of lives!

We know as researchers and heads of laboratories you're already strained by the overwhelming testing and vaccine research tasks at hand to deal with the COVID-19 pandemic. Windward's document generation software can take off the burden of creating clinical trial documents and other repetitive documents related to your research and testing process. Our system can quickly integrate with a wide range of data sources and you can use the template designer right in MS Office to quickly create and share the documents in a myriad of output formats. Unlike your existing document generation system, Windward makes your job super easy and incredibly swift.

Any researcher or scientist without the help of a developer or other team members can create templates needed for coming up with clinical trial documents and vaccine control testing reports to share vital information with others.

A Lesson Learned from the 2003 SARS Outbreak

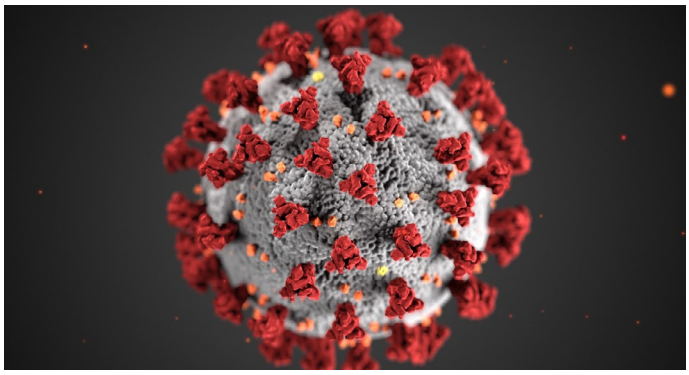
The scientific community seems to have learned from the debacle that attended the onset of the 2003 SARS outbreak. In the first weeks of the SARS outbreak, the disease was even thought to be spread by bacteria that causes Chlamydia.

Then it took a ponderous 3 months to identify the viral vector, sequence

its genome and share the necessary information.
However, in the case of 2019 novel coronavirus, the genetic sequencing took less than a week, and sharing of the clinical trial documents took just a few weeks.
Thanks to Next Generation Sequencing (NGS) techniques and document generation tools like Windward, scientists working even in modestly equipped laboratories can now perform such tasks in quick time.

New Technology-Driven Gene Sequencing & the Need for Swift Documenting

A key driver of the new data-sharing approach is the EU's CORDIS (Community Research and Development Information Service). CORDIS launched VIROGENESIS (a rather awkward acronym for "virus discovery and epidemic tracing from high throughput metagenomic sequencing") in 2015.
The VIROGENESIS project has devoted its energies to helping laboratories with limited budgets and means to contribute to global research. The effectiveness of this approach was demonstrated when the first COVID-19 case in Belgium was identified by a remote laboratory.
Furthermore, the scientists and researchers at the forefront of combating the COVID-19 pandemic are resorting to swift clinical trial documenting methods (even skipping animal testing). This is because there is no precedence, at least in living memory, of a global effort of similar nature. The effectiveness of these is essential in helping the world move from the standstill imposed by the pandemic.
One of the areas requiring a revolutionary solution is the aspect of documenting the clinical trial or test results. Scientists at the forefront of research in these areas need to share such documents speedily with their contemporaries and this is where document automation tools like Windward can make a life-saving difference!



A Record-Breaking Start to COVID-19 Research

One of the first blows to COVID-19 was dealt with long before there was even a name for the condition caused by the novel coronavirus. Public health experts identified the new coronavirus spreading across the Chinese city of Wuhan at the at the very end of 2019. While there were initial delays in

identifying and isolating the viral components, subsequent actions were taken at remarkable speed.
It took a matter of days for Chinese medical authorities to document the entire sequence of the virus. By January 7th, this research was shared with the World Health Organization (WHO). The WHO, in turn, made sure it was immediately available to scientists and researchers in different continents.

Benefits of Accurate COVID-19 Clinical Trial Documents

The progress of the scientific community in combating COVID-19 is in vaccine testing and clinical trial documents. By March 20, 2020, WHO had documented at least 44 candidate vaccines in various stages of development and clinical trials. Two of these, one in China and another in the USA, had already undergone the first phase of human clinical trials.
Researchers around the world can make big strides in testing procedures and vaccine research owing to the ground-breaking document automation solutions like Windward. With the technology available today, we are poised to sound the death knell to a pandemic without peer in living memory.

Using Document Generation Tools

Scientists working even in resource-limited laboratories can use document generation tools like Windward to create clinical trial documents automatically at a fraction of the cost (in comparison to when done manually). It is especially useful in documenting the research and testing stages and sharing vital data related to COVID-19. This process is instrumental in accelerating the already record-breaking pace of developing an effective vaccine for the disease.
The scientific and research communities must be innovative in responding to the challenge posed by the COVID-19 disease. You can test Windward today before you apply it for all your documenting purposes. Learn more about it here.