

**PHILIPS**

HeartStart AED  
Solutions



# Helping you prepare for the unexpected

## AEDs for COVID-19 Vaccination Centers

Sudden cardiac arrest (SCA) can occur anytime to anyone, anywhere, including COVID-19 vaccination centers. There could be several factors that may increase the risk for SCAs at these vaccination centers.

The population undergoing vaccination, at least initially, will include patients over 65 and/or with high-risk medical conditions.<sup>1</sup>

Vaccination can create psychological stress that can precipitate cardiac events, such as myocardial infarction or arrhythmias.<sup>2</sup>

Vaccines can provoke a severe allergic response known as anaphylaxis.<sup>3</sup> Anaphylaxis may progress to cardiac arrest in severe cases.

According to the CDC, in the interval December 14–23, 2020, during which 1,893,360 first doses of the Pfizer-BioNTech COVID-19 vaccine were administered, **21 cases of anaphylaxis occurred, or 11.1 cases per million doses.**<sup>4</sup> Anaphylaxis can in severe cases progress to cardiac arrest.<sup>5</sup>

The National Health System of the UK specifically requires an AED at COVID vaccination centers for the few cases where serious arrhythmias, such as ventricular tachycardia or ventricular fibrillation, accompany severe anaphylactic shock.<sup>6</sup>



# The Philips HeartStart OnSite and HeartStart FRx AEDs.

## Philips HeartStart OnSite AED



## Philips HeartStart FRx AED



- Available without a prescription
  - For use on children and adults
  - Step-by-step, real-time guidance with voice instructions, CPR and visual icons
  - Designed for the ordinary person in an extraordinary moment
  - Performs automatic self-tests so the AED is ready to use
- Can withstand rough handling, extreme temperatures, and dusty or wet surface
  - Real-time, step-by-step voice commands assist the first responder
  - For use on children with the optional infant/child key
  - Performs automatic self-tests so the AED is ready to use

When every minute counts, Philips AED Solutions are a partner by your side when you need us most.

Safeguard against a SCA event at your COVID-19 vaccination center with a Philips HeartStart OnSite or HeartStart FRx AED.

**To learn more about HeartStart OnSite and HeartStart FRx AEDs, visit [Philips.com/AED](https://www.philips.com/AED)**

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2. M., V. (n.d.). Emotional stress as a trigger in sudden cardiac death. Retrieved January 21, 2021, from <https://pubmed.ncbi.nlm.nih.gov/18827773/>.
3. Allergic Reactions Including Anaphylaxis After Receipt of the First Dose of Pfizer-BioNTech COVID-19 Vaccine - United States, December 14–23, 2020. (2021, January 21). Retrieved January 25, 2021, from <https://www.cdc.gov/mmwr/volumes/70/wr/mm7002e1.htm>.
4. Allergic Reactions Including Anaphylaxis After Receipt of the First Dose of Pfizer-BioNTech COVID-19 Vaccine - United States, December 14–23, 2020. (2021, January 21). Retrieved January 21, 2021, from <https://www.cdc.gov/mmwr/volumes/70/wr/mm7002e1.htm>.
5. Zhang, Z., MD, Su, X., PhD, & Liu, C., PhD. (2015). Cardiac arrest with anaphylactic shock: A successful resuscitation using extracorporeal membrane oxygenation. *The American Journal of Emergency Medicine*, 33(1), P130.E3-130.E4. doi:<https://doi.org/10.1016/j.ajem.2014.06.034>.
6. Appendix 1 - Supply Inventory List (2020, December 23) Retrieved January 21, 2021, from <https://www.england.nhs.uk/coronavirus/wp-content/uploads/sites/52/2020/12/appendix-1-supply-inventory-list-v4.pdf>.