HC3: Alert

December 13, 2021 TLP: White Report: 202112130900

Hillrom Welch Allyn Cardiology Products Vulnerability (CVE-2021-43935)

Executive Summary

On December 9, 2021, the Cybersecurity and Infrastructure Security Agency (CISA) released an Industrial Controls Systems Medical Advisory (ICSMA) detailing a vulnerability in multiple Hillrom Welch Allyn cardiology products. An attacker could exploit this vulnerability to take control of an affected system. CISA encourages technicians and administrators to review the advisory for more information and recommended mitigations.

Report

ICS Medical Advisory (ICSMA-21-343-01) Hillrom Welch Allyn Cardio Products
https://www.cisa.gov/uscert/ics/advisories/icsma-21-343-01

Impact to HPH Sector

This high-severity vulnerability (CVSS v3 base score of 8.1) impacts organizations in the healthcare and public health (HPH) sector worldwide. The remotely exploitable vulnerability could enable an attacker to access privileged accounts without a password and seize control of the devices.

The following Hillrom cardiology products, when configured to use SSO, are affected:
- Welch Allyn Q-Stress Cardiac Stress Testing System: Versions 6.0.0 through 6.3.1
- Welch Allyn X-Scribe Cardiac Stress Testing System: Versions 5.01 through 6.3.1
- Welch Allyn Diagnostic Cardiology Suite: Version 2.1.0
- Welch Allyn Vision Express: Versions 6.1.0 through 6.4.0
- Welch Allyn H-Scribe Holter Analysis System: Versions 5.01 through 6.4.0
- Welch Allyn R-Scribe Resting ECG System: Versions 5.01 through 7.0.0
- Welch Allyn Connex Cardio: Versions 1.0.0 through 1.1.1

References

High-Severity Authentication Bug Identified in Hillrom Welch Allyn Cardio Products
https://www.hipaajournal.com/high-severity-authentication-bug-identified-in-hillrom-welch-allyn-cardio-products/

Zero-day vulnerability in Hillrom cardiology devices could allow attackers full control
https://portswigger.net/daily-swig/zero-day-vulnerability-in-hillrom-cardiology-devices-could-allow-attackers-full-control

Contact Information

If you have any additional questions, please contact us at HC3@hhs.gov.

We want to know how satisfied you are with our products. Your answers will be anonymous, and we will use the responses to improve all our future updates, features, and new products. Share Your Feedback