



TLP White

This week we wish Ben Flatgard well on the next chapter of his career and welcome our new Hacking Healthcare blogger. We'll also take a look at a few federal agency reports and announcements as well as a tech giant's decision to launch medical clinics for all its employees. As a special treat, we also provide a quick recap of an exciting Supreme Court case. Welcome back to *Hacking Healthcare*.

Hot Links –

- 1. *Keep your wearables secure, and your implantables securer:*** The National Institute of Standards and Technology ("NIST") recently released a draft report developed by the Interagency International Cybersecurity Standardization Working Group entitled *Interagency Report on Status of International Cybersecurity Standardization for the Internet of Things (IoT) ("Report")*.¹

The *Report* explains that Health IoT and Medical Devices (wearables, implantables, injectables, ingestibles) enable doctors, patients, and users to participate in real-time health monitoring, medication and nutrition tracking, and imaging. Despite these benefits, the *Report* also explains that like most IoT devices, Health IoT and Medical devices may be exposed to cybersecurity vulnerabilities.

If you are feeling inspired, NIST is accepting public comments on the *Report* until April 18, 2018.²

- 2. *Apple tackles employee health:*** Apple is making health care moves with the launch of a group of independent health clinics, also known as AC Wellness.³ Apple will initially operate two clinics in Santa Clara County, California, and will be providing primary care services to Apple employees and their families as early as this spring. Job listings show that Apple is looking to hire designers to implement a program focused on preventing disease and promoting healthy behavior.

¹ <https://csrc.nist.gov/CSRC/media/Publications/nistir/8200/draft/documents/nistir8200-draft.pdf>

² <https://csrc.nist.gov/publications/detail/nistir/8200/draft>

³ <https://www.acwellness.com/>

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3. **FCC's net neutrality repeal:** The Federal Communications Commission recently published its order to repeal net neutrality⁴ and HealthcareITNews addressed how the order impacts the healthcare industry.⁵ Jessica Davis reports that while FCC Chairman Ajit Pai argues the repeal will boost telemedicine, some groups argue the repeal will enable the internet service providers to create fast lanes and charge higher fees and services. Ms. Davis says that some opponents feel the repeal may actually cause hospitals to reduce telemedicine programs because they will need to spend more money on the increased internet prices.
4. **Stroke-alert – there's an app for that:** The Food and Drug Administration said it will permit Viz.ai, a healthcare company that relies on artificial intelligence and deep learning to analyze medical data,⁶ to market an application that may alert medical practitioners of a potential stroke.⁷ According to an FDA press release, the application permits a first-line practitioner to use the application to analyze CT images of a patient's brain. If the application identifies a potential stroke, it will automatically alert a medical specialist's mobile device of the potential stroke. However, the specialist must review the CT images on a clinical workstation.
5. **Divided court on U.S. v. Microsoft:** The Supreme Court heard oral argument for U.S. v. Microsoft, which examines whether the federal government can use warrants to force Microsoft to turn over data stored overseas.⁸ The case is the latest example of applying an old law to technology that was unfathomable at the time of its passage.

Microsoft's position has been that U.S. law enforcement must go through Irish authorities to obtain the content of emails regarding a U.S. drug tracking investigation. Meanwhile, the Justice Department asserts that the U.S. issued warrant is enough to access the data because the information is stored on the cloud, thus Microsoft can obtain the data from within the United States.

Congress –

Tuesday, March 13:

-- Hearing to examine rebuilding infrastructure in America, focusing on investing in next generation broadband (Senate Subcommittee on Communications, Technology, Innovation, and the Internet)⁹

⁴ <https://www.federalregister.gov/documents/2018/02/22/2018-03464/restoring-internet-freedom>

⁵ <http://www.healthcareitnews.com/news/fcc-publishes-net-neutrality-repeal-order-so-whats-next>

⁶ <https://www.viz.ai/about/>

⁷ <https://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm596575.htm>

⁸ <http://www.scotusblog.com/case-files/cases/united-states-v-microsoft-corp/>

⁹ <https://www.commerce.senate.gov/public/index.cfm/pressreleases?ID=4103801E-AEF9-463F-AA24-83C3FA4998E8>

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Wednesday, March 14:

--Hearing to review and assess the FY 2019 budget request for the Department of Defense's science and technology programs (House Subcommittee on Emerging Threats and Capabilities)¹⁰

--Hearing to examine Federal IT in 2018 (House Subcommittee on Information Technology)¹¹

--Hearing to discuss legislation addressing cybersecurity and emergency response (House Subcommittee on Energy)¹²

Thursday, March 15:

-- Hearing to examine the FY 2019 budget of the Department of Health and Human Services (House Subcommittee on Labor, Health and Human Services, Education, and Related Agencies)¹³

-- Hearing entitled "After the Breach: the Monetization and Illicit Use of Stolen Data (House Committee on Financial Services)¹⁴

Conferences and Webinars –

--NH-ISAC GDPR 101 Webinar (3/13) <<https://nhisac.org/events/nhisac-events/nh-isac-gdpr-101/>>

--InfoSec World – Orlando (3/19) <<https://nhisac.org/events/nhisac-events/infosec-world/>>

--Medical Device Workshop at Philips Healthcare – Andover, MA (3/20)

<<https://nhisac.org/events/nhisac-events/medical-device-workshop-at-philips-healthcare-andover-ma/>>

--Health IT Summit – Cleveland, OH (3/27) <<https://vendome.swoogo.com/2018-Cleveland-Health-IT-Summit>>

--Health IT Summit – San Francisco, CA (4/5) <<https://vendome.swoogo.com/2018-San-Francisco-HIT-Summit>>

--Security Workshops at Intermountain Health – Park City, UT (4/24)

<<https://nhisac.org/events/nhisac-events/security-workshop-at-intermountain-park-city-ut/>>

--Medical Device and Pharmaceutical Security Workshop – London

<<https://nhisac.org/events/nhisac-events/security-workshops-london/>>

--2018 NH-ISAC Spring Summit – Sawgrass, FL (5/14-17)

<<http://www.marriott.com/hotels/travel/jaxsw-sawgrass-marriott-golf-resort-and-spa/>>

--Health IT Summit – Philadelphia, PA (5/21) <<https://vendome.swoogo.com/2018-Philly-HITSummit>>

--Health IT Summit – Minneapolis, MN (6/13) <<https://vendome.swoogo.com/2018-Minneapolis-Health-IT-Summit>>

¹⁰ <https://armedservices.house.gov/legislation/hearings/review-and-assessment-fiscal-year-2019-budget-request-department-defense>

¹¹ <https://oversight.house.gov/hearing/state-play-federal-2018/>

¹² <https://energycommerce.house.gov/hearings/doe-modernization-legislation-addressing-cybersecurity-emergency-response/>

¹³ <https://appropriations.house.gov/calendar/eventsingle.aspx?EventID=395125>

¹⁴ <https://financialservices.house.gov/calendar/eventsingle.aspx?EventID=403188>

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--Biotech / Pharmaceutical Security Workshop - Dublin, Ireland (6/21)
<<https://nhisac.org/events/nhisac-events/medical-device-and-pharmaceutical-security-workshop-dublin/>>

--Health IT Summit – Nashville, TN (6/28) <<https://vendome.swoogo.com/2018-Nasvhille-HITSummit>>

--Health IT Summit – Denver, CO (7/12) <<https://vendome.swoogo.com/2018-Denver-HITSummit>>

--Health IT Summit – St. Petersburg, FL (7/24) <<https://vendome.swoogo.com/StPetersburg-HITSummit-2018>>

--Health IT Summit – Boston, MA (8/7) <<https://vendome.swoogo.com/2018-Boston-Health-IT-Summit>>

--Biotech/Pharma Security Workshop at Gilead Sciences, Foster City, CA (8/29)
<<https://nhisac.org/events/nhisac-events/biopharma-workshop-at-gilead-sciences-foster-city-ca/>>

--Health IT Summit – Seattle, WA (10/22) <<https://vendome.swoogo.com/2018-Seattle-HITSummit>>

--2018 NH-ISAC Fall Summit – San Antonio, TX (11/26-29)
<<https://www.destinationhotels.com/la-cantera-resort-and-spa>>

Sundries –

--2018 CrowdStrike Global Threat Report

<https://www.crowdstrike.com/resources/reports/2018-crowdstrike-global-threat-report-blurring-the-lines-between-statecraft-and-tradecraft/>

--White House issues guidance to agencies on IT modernization

<http://thehill.com/policy/cybersecurity/375841-white-house-issues-guidance-to-agencies-on-it-modernization>

--Cybercom Commander Discusses Evolving Cyber Threats

<https://www.defense.gov/News/Article/Article/1452601/cybercom-commander-discusses-evolving-cyber-threats/>

--New Android malware steals user data, records audio and incurs phone charges

<https://www.cyberscoop.com/android-malware-reddrop-wandera-spyware/>

--Russian Hacker False Flags Work—Even after They’re Exposed

<https://www.wired.com/story/russia-false-flag-hacks/>

--Pacemakers and Other Medical Devices Are At Risk of Being Hacked, Scientists Warn

<http://www.newsweek.com/pacemakers-and-other-medical-devices-are-risk-being-hacked-scientists-warn-815156>

--T-Mobile signs 5G network deals with Nokia and Ericsson

<https://www.reuters.com/article/us-t-mobile-us-5g/t-mobile-signs-5g-network-deals-with-nokia-and-ericsson-idUSKCN1GB2TX>

--Amazon buys startup Ring in \$1 billion deal to run your home security

<https://www.reuters.com/article/us-ring-m-a-amazon-com/amazon-buys-startup-ring-in-1-billion-deal-to-run-your-home-security-idUSKCN1GB2VG>

--U.S.-Israeli cyber firm CyberX raises \$18 million

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<https://www.reuters.com/article/us-cyber-cyberx-fundraising/u-s-israeli-cyber-firm-cyberx-raises-18-million-idUSKCN1GB1JK>

--**Qualcomm v. Broadcom: A National Security Issue**

<https://lawfareblog.com/qualcomm-v-broadcom-national-security-issue>

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