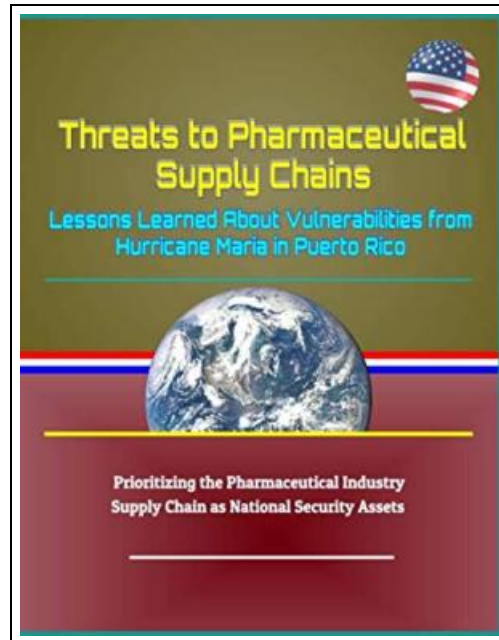


## Threats to Pharmaceutical Supply Chains - Lessons Learned About Vulnerabilities from Hurricane Maria in Puerto Rico, Prioritizing the Pharmaceutical Industry Supply Chain as National Security Assets (Paperback)



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## THREATS TO PHARMACEUTICAL SUPPLY CHAINS - LESSONS LEARNED ABOUT VULNERABILITIES FROM HURRICANE MARIA IN PUERTO RICO, PRIORITIZING THE PHARMACEUTICAL INDUSTRY SUPPLY CHAIN AS NATIONAL SECURITY ASSETS (PAPERBACK)

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Independently Published, United States, 2019. Paperback. Condition: New. Language: English. Brand new Book. In September 2017, Hurricane Maria caused severe devastation to the U.S. territory of Puerto Rico, which manufacturers nearly 10 percent of all drugs consumed by Americans. Given the large concentration of pharmaceutical manufacturing based in Puerto Rico, the destruction wrought by a Category 4 hurricane created shortages for specific medical products, which affected the standard of health care in the United States during an influenza epidemic throughout late 2017 and early 2018. The Analytic Exchange Program's (AEP's) team examining "Threats to Pharmaceutical Supply Chains" examines this event as a case study for the risks and implications of pharmaceutical supply chain disruption. What happened after Hurricane Maria could shed light on other supply chain vulnerabilities, including the effect of cyber-attacks against manufacturing infrastructure, geopolitical disputes affecting drug supply chain components, and the growing reliance on third party drug manufacturing and logistics suppliers. Awareness of vulnerabilities is the first step toward protecting the pharmaceutical supply chain as a component of critical infrastructure vital to U.S. national security interests. Our team recommends mitigating future supply chain disruption by increasing private sector and government coordination. This AEP team proposes several specific solutions policymakers and corporate executives should consider, including providing incentives for greater cooperation, prioritizing the U.S. pharmaceutical industry as a unique critical infrastructure component and national security asset, creating an industry-wide list of medications deemed "critical", and streamlining the approval process for backup medications and alternative sources of temporary production. This compilation includes a reproduction of the 2019 Worldwide Threat Assessment of the U.S. Intelligence Community. Executive Summary \* Hurricane Maria and the Impact on the US Pharmaceutical Supply Chain: A Case Study \* How Hurricane Maria Affected Pharmaceutical Manufacturing in Puerto Rico \* Bad to Worse: Hurricane Maria and the...



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