



Long Shot: Vaccines for National Defense (Hardback)

By Kendall Hoyt

HARVARD UNIVERSITY PRESS, United States, 2012. Hardback. Book Condition: New. 248 x 166 mm. Language: English . Brand New Book. At the turn of the twenty-first century, the United States contended with a state-run biological warfare program, bioterrorism, and a pandemic. Together, these threats spurred large-scale government demand for new vaccines, but few have materialized. A new anthrax vaccine has been a priority since the first Gulf War, but twenty years and a billion dollars later, the United States still does not have one. This failure is startling. Historically, the United States has excelled at responding to national health emergencies. World War II era programs developed ten new or improved vaccines, often in time to meet the objectives of particular military missions. Probing the history of vaccine development for factors that foster timely innovation, Kendall Hoyt discovered that vaccine innovation has been falling, not rising, since World War II. This finding is at odds with prevailing theories of market-based innovation and suggests that a collection of nonmarket factors drove mid-century innovation. Ironically, many late-twentieth-century developments that have been celebrated as a boon for innovation--the birth of a biotechnology industry and the rise of specialization and outsourcing--undercut the collaborative networks and...



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