



National Medical Supply Chain Center

**Industrial Base Management
and Supply Chain**

WHAT IS NMSCC?

The National Medical Supply Chain Center (NMSCC) serves as the analytical and operational decision-support arm for the Center for Industrial Base Management and Supply Chain (IBMSC). It provides advanced analytics and risk assessments across the medical supply chain by integrating diverse data sources. NMSCC identifies vulnerabilities, monitors disruptions, and delivers actionable insights to inform policy, preparedness, and emergency response.

NMSCC IN ACTION



Supply chain analysis & monitoring: Continuously map pharmaceutical and medical device supply chains to identify vulnerabilities, foreign dependencies, and disruption risks.



Advanced analytics & modeling: Develop predictive and prescriptive models (e.g., demand forecasting, economic viability, tariff impact) to assess risks and evaluate policy or investment options.



Resilience assessments & decision support products: Produce product-level resilience assessments, rapid response analyses, and executive briefings to guide risk mitigation and leadership decisions.



Data integration & reporting tools: Build data pipelines, dashboards, and reports that provide real-time situational awareness and support interagency coordination.

NMSCC PROGRAM GOALS

NMSCC aims to deliver end-to-end visibility across pharmaceutical and medical device supply chains, including upstream dependencies, domestic manufacturing capacity, and structural vulnerabilities. It advances predictive analytics and early warning capabilities using sophisticated modeling, AI, and forecasting to identify emerging risks and support proactive decision-making.

As the analytical backbone for national supply chain resilience efforts, including the Medical Manufacturing Industrial Strategy and the Digital Stockpile and Manufacturing Response Network, NMSCC institutionalizes resilience assessments and performance metrics to guide investments and prioritize interventions. It also integrates insights into operational decision-making, strengthening coordination across ASPR and interagency partners to support timely, informed responses to supply chain disruptions and public health emergencies.



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