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Perspective of Medical Product Sponsor in Disaster Research Response

Presentation to IOM/NIH Workshop

June 13, 2014

Key Points

- **Requirements under the Animal Rule**
- **Role of a pharmaceutical company**
- **Opportunities for collaboration**
 - **before/during/after an event**



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Animal Rule*

* 21 CFR 314.600 (drugs)
21 CFR 601.90 (biologics)

Approval Subject to 3 requirements

- Post-market studies
 - Part of application for approval, plan/approach to:
 - verify/describe clinical benefit
 - assess safety
- Restrictions to ensure safe use
 - Commensurate with product specific concerns
 - certain facilities, HCPs with special training
 - performance of special medical procedures/follow-up
- Information to be provided to patient recipients
 - Part of label
 - explains that approval based on animal studies alone
 - indications, directions for use, contraindications, AE, interactions, benefits/risks, etc.



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Role of the pharmaceutical sponsor



Role

- Sponsor studies/use data from others
- Assemble dossier and submit application to/seek approval from FDA
- Develop post-event study protocols/patient labelling
- Provide/maintain product for the Strategic National Stockpile
 - pre-specified amount
 - surge capacity should needs outstrip initial supply
 - inventory cycled through to retain maximum remaining shelf life and availability 24/7

Capabilities/Assets

- Analytics particular to the product
 - may not be generally available to researchers/academic institutions
- Data on product parameters
 - pharmacokinetics/pharmacodynamics
 - genetic testing/susceptibility, biomarkers
- Data from clinical trials
 - other indications/treated populations
 - comparators, historical controls



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Opportunities for Collaboration

Before, during and after

- Study protocol development
 - IRB approved studies
 - roles and responsibilities defined
- Forging relationships with networks
 - clinical researchers and research centers
- Analytic role
 - FDA will be turning to sponsors for data on benefits/safety
- Patient communications
 - prepared and available

Conclusion

- Immediate response to an event will be managed by public health, medical, law enforcement and disaster response infrastructure
- Sponsor's role extends beyond supply of medication to:
 - Post-event study protocol development
 - Contribution of unique capabilities
 - Partner in the conduct/analysis of studies