New Regulations in Private Biolabs

Biosecurity for Laboratory-Originated Pathogens

Evelyn Teng | Non-Trivial Fellowship Jul '24



Human transmissible H5N1: US Lab



Human transmissible H5N1: US Lab Foot-and-Mouth Disease: UK Farms



Human transmissible H5N1: US Lab Foot-and-Mouth Disease: UK Farms



Improper management: US Lab



Private Labs





Proposal











Reporting of all pathogen acquisitions







Reporting of all pathogen acquisitions



Inspection to ensure equipment matches requirements







Reporting of all pathogen acquisitions



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PILOT PROGRAM



Announcement Registration Inspection Policy Review

Development

	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8
Research and draft detailed protocol								
Conduct meetings with stakeholders								
Stakeholder review and feedback								
Develop database and user interface								
Finalise protocols								
Roll out policies on pilot program labs								
Evaluate pilot results								
Review and refine protocols and processes								

"Compared to an estimated \$1 trillion plus cost, funding in biosecurity efforts are worthwhile, both in theory and in practice"

- Biodefense Research Two Decades Later: Worth the Investment? (2023)

Goals





Build on current measures











