Reliance 21 – DoD Communities of Interest

Armed Services Biomedical Research Evaluation and Management (ASBREM)

Biomedical Informatics & Health Info Systems and Technology | **Military Infectious Disease** | **Military Operational Medicine** | **Combat Casualty Care** | **Medical Radiological Defense** | **Clinical and Rehabilitative Medicine** | **Medical Chem Bio Defense**

Scope/Thrust Areas

The ASBREM CoI spans the full product development life cycle, supporting the Warfighter from the bench to the field. The CoI coordinates DoD Biomedical research and development activities across seven domains, or Joint Technology Coordinating Groups (JTCG), to ensure our Warfighters maintain peak lethality and optimal readiness

JTCGs

- Maintain visibility of the complex medical R&D programs across all ASBREM CoI organizations
- Ensure strategic and balanced investments
- Conduct reviews, programmatic studies, and analyses to facilitate coordination, collaboration, and communication among DoD components and OSD

Photo by Lance Cpl. Ariana Acosta/Released

Impact on Capability Needs

Developed an Integrated DoD Biomedical R&D Strategy to provide a shared framework, which aims to

- Improve response to total force health readiness
- Identify opportunities to enhance research coordination, collaboration, and communication
- Sustain critical biomedical R&D capabilities
- Maintain strong biomedical R&D connections to other government agencies, industry, and academia
- Communicate value/benefit of DoD biomedical R&D to internal and external stakeholders and the Nation

Engagement Opportunities for Industry

- Military Health System Research Symposium
- Defense Innovation Marketplace
- FedBizOpps
- Service / Agency Industry Days
- Specific Agency Websites

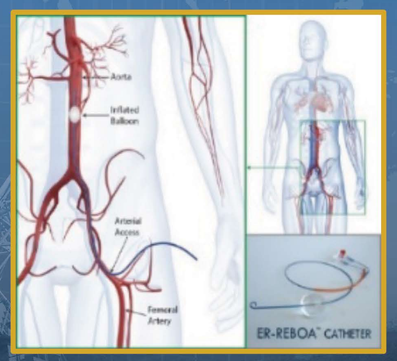
Success Stories

- Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA): Technique used in trauma for patients rapidly bleeding to death from injuries to their chest, abdomen, or pelvis
- Sufentanil Nano Tab: Rapidly acting product relieves acute pain with minimal side-effects primarily used during Tactical Field Care and Tactical Evacuation Care
- Zika Vaccine (ZPIV): Rapid 9 month development from bench to clinical trials

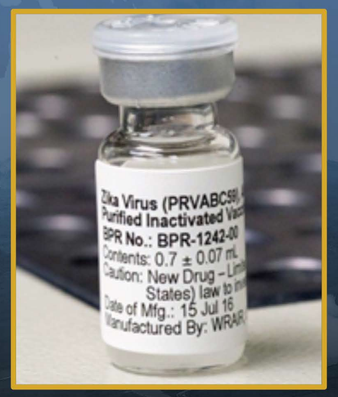
Focus Going Forward

- Novel tools and techniques for prolonged field care and en route care
- Wearable technologies for monitoring physiological health and environmental and occupational threats
- Technologies enabling autonomous medical supply and evacuation

Integrated DoD Biomedical R&D Strategy



REBOA Catheter; Pryor Medical Devices, Inc.



Zika Virus Vaccine; Walter Reed Army Institute