Three Key Domains

- Research & Development (Science & Technology)
- Information, Communications, & Other Enablers
- Medical Acquisition & Logistics

- Protect
- Project
- Sustain
Support to the Operational Force

- Research, Development, Testing and Evaluation
  - Basic thru Applied Research
  - Prototyping thru FDA approval

- Acquisition and Medical Logistics
  - Medical Supply (Class VIII)
  - Medical Equipment Mgmt
  - Materiel Maintenance

- Current and Ongoing Improvements
**Military Infectious Diseases**
- Medical readiness
- Vaccines
- Biotechnology
- Prophylaxis/treatment drugs
- Diagnostics/prognostics
- Vector control
- Medical C4ISR
- HIV countermeasures

**Combat Casualty Care**
- Lightweight medical equipment
- Medical C4ISR
- Trauma care
- Health monitoring & diagnostic technology

**Medical Chemical Defense**
- Medical management of CW casualties
- Medical readiness
- Drug prophylaxes/pretreatments
- Diagnostics/therapeutics

**Military Operational Medicine**
- Soldier selection & sustainment
- Soldier performance
- Warrior system modeling
- Health hazards protection
- Diagnostics/prognostics
- Health monitoring

**Medical Biological Defense**
- Vaccines/therapies
- Field-portable diagnostic systems
- Medical readiness
- Biotechnology

99% of products are COTS
Research conducted within unique military requirements

USAMRMC Research - Development
USAMRMC
USAMRMC
Teaming Relationships

USAMRMC

Industry ➢ Linking ➢ Facilitating ➢ Expediting

Seeking “Good Ideas” that make a difference

Rapid Development

Rapid Equipping (Teaming)

Rapid Sustainment (Teaming)

Academia

Disposal

International Markets

Warrior Medic & Soldier Products

USAMRMC Deployable Teams
REF RFI
FAST PMs Contractors

Health Affairs

Army Medicine

CDC

National Cancer Institute

Department of the Interior

Department of Energy

NIAID

FDA

USDA

DARPA

Seeking “Good Ideas” that make a difference
Decision Gate Begins Early In Product Development

PRODUCT DEVELOPMENT LIFECYCLE

- Decision Gate purview begins
- Product-level IPT formed here

IPT is S&T led, AD supported
IPT is AD led, S&T supported
Governance Process & Membership

Executive Management Committee Core Membership

- **Chair**: Principal for R&T***
  - Deputy Commander
  - Lab Commander(s) **
  - Commander USAMMDA
  - Staff Judge Advocate

- **Chair**: Principal for Acquisition***
  - Deputy for Materiel
  - Director, DCDD, AMEDD C&S
  - Director for Quality
  - J4Med Rep
  - Ad Hoc Members *

Planning and Lifecycle Review Committee Core Membership

- **Chair**: Research Area Director (RAD)***
  - Lab Deputy(s) (or Designee)**
  - Director USAMRAA (or Designee)
  - Regulatory Rep
  - Deputy RM
  - Science Director, NMRC**

- **Chair**: Project Manager (PM)***
  - Overseas Lab Coordinator, NMRC**
  - Overseas Lab Coordinator, WRAIR**
  - Director of Research Plans & Programs
  - Asst Deputy Materiel
  - Customer Representative(s)
  - Ad Hoc Members*

Integrated Project Team Potential Membership

- **Chair**: Science & Technology Rep***
  - RAD Office Rep
  - Requirements Rep
  - Discovery Rep (Scientist)
  - Clinical Rep
  - Regulatary Rep
  - Drug Safety Rep
  - Logistics Rep

- **Chair**: Advanced Development Rep***
  - Legal/IP Rep
  - Contracts Specialist
  - Statistician/Biometry Rep
  - CRADA/External Partner(s)
  - External Advisors (Peer Review)

**Note:** Membership based on specific programmatic needs. Technical or functional sub-groups may exist below the IPT.

* Ad Hoc Members attend meetings by invitation. Quality Consultant involved in all IPTs in advisory/review process for consistency role.
** Representation from impacted Labs is based on when their respective products are being discussed
*** Chair determined by lifecycle phase (S&T Chairs through MS B; Adv Dev Chair after MS B)
**** Two-way communication must be ensured across all committee levels
Proof of Concept occurs when evidence of safety and efficacy provide sufficient confidence to invest in larger studies. This typically falls between Phase IIa and IIb but varies by product.

** Assumes empowerment of IPT via the Development Plan approval through the following Decision Point.
RESEARCH SUPPORT ENABLERS

- CONTRACTING VEHICLES
  - BROAD AREA ANNOUNCEMENTS
  - ASSISTANCE AGREEMENTS AND GRANTS
  - TECHNOLOGY / MATERIEL TRANSFER AGREEMENTS
  - LICENSING AGREEMENTS
  - COOPERATIVE RESEARCH AND DEVELOPMENT AGREEMENTS

- EXPEDITING HUMAN USE REVIEWS

- MEDICAL RESEARCH INFORMATION TECHNOLOGY SYSTEMS (MeRITS)

- ACTIVITY BASED COST (ABC) ACCOUNTING
Integrated Medical Support to the Operational Force

**Institutional Army**
- **Class VIII Requirements Determination**
  - AMEDD Center and School / DMSB
- **Acquisition & Life Cycle Management**
  - Clinical Engineering Support
  - Assembly Management / Kitting
  - National Maintenance Management (Depot)
- **Force Projection Programs**
  - Prepositioned Equipment and Materiel (APS)
  - Medical Chemical Defense Materiel
  - Reserve Component Hospital Decrement
  - Centrally Managed Potency and Dated Materiel (UDP$)
  - Physician Preference Items
- **Force Sustainment Programs**
  - Procurement Tools: Medical Prime Vendor, Electronic Catalog, etc
  - Centrally Managed Contracts: Materiel, Maintenance, Equipment, Contingency

**Operational Force**
- **Class VIII Supply**
  - Theater Lead Agent
  - Supply Chain Management
- **Medical Equipment Maintenance**
  - Org / DS Level
- **Optical Fabrication**
- **Blood Storage & Distribution**
- **Logistics Training**

*Integrated medical acquisition and logistics supporting a multi-function healthcare delivery system!*

Technology Assessment and Requirements Analysis
FORCE PROJECTION

Army Prepositioned Stock (APS) [HQDA Owned & Released]

- Bde / Unit Sets
- Operational Projects
- War Reserve
- Sustainment

TSG Contingency Stock [OTSG Owned & Released]

- Medical Chemical Defense for Biological Radiological Nuclear & Explosive
- Centrally Managed P&Ds
- Reserve Component Hospital Decrement

DEPLOYING UNIT
Multiple Sources of Supply

- Prime Vendor (Pharm)
- Prime Vendor (MedSurg)
- Local Purchase
  - Specialty Distributors
  - Web-Based Vendors
  - Manufacturers
- DSCP Depots

Theater Lead Agent Materiel Management

US Army Medical Materiel Center, Europe (USAMMCE)
Pirmasens, Germany

16th Medical Logistics Battalion, Waegon, Korea

USAMMC SWA
As Salihah, Qatar

Army, Navy and Air Force facilities throughout the Joint AOR

Department of State Embassies and support of Humanitarian Asst Ops

Field Units
Medical Logistics Units

Joint, Inter-service and Multi-national healthcare in support of current operations

Commercial Transportation
Current and Ongoing Improvements

**SUPPLY:**
- Medical Prime Vendor
- Electronic Catalog (ECAT)
- Contingency Contracts
  - Warstopper, Exigency, Vendor Managed Inventory
- Local Contracting Supporting the Deploying and Operational Force

**TEST:**
- Increased Air Worthiness Release Throughput
- Stood Up Additional Environmental MILSTD Test Facility

**INFORMATION MANAGEMENT:**
- DCAM to Forward Med Log Units
- TEWLS to Intermediate MedLog