

**UNITED STATES ARMY
INSTITUTE
OF SURGICAL RESEARCH**

ISR

ISR Entry Plaque

“For Combat Wounded...”

MISSION:

**“Optimizing Combat Casualty
Care”**

A Long History of Research-Clinical Collaboration



Established as Surgical
Research Unit at Halloran
General Hospital, Staten Island,
New York 1943 - 1947

ANTIBIOTICS

Moved to BAMC 1947

Renamed US Army Institute of
Surgical Research in 1970



SRU / USAISR
1947 - 1970

THERMAL INJURY

Army Burn Unit
Brooke General Hospital
1949 - 1996

BURN & TRAUMA

U.S. Army Institute of Surgical Research
at Brooke Army Medical Center
1996 to Present



Colonel Basil A. Pruitt, Jr.



Colonel Basil A. Pruitt, Jr.

Commander

US Army

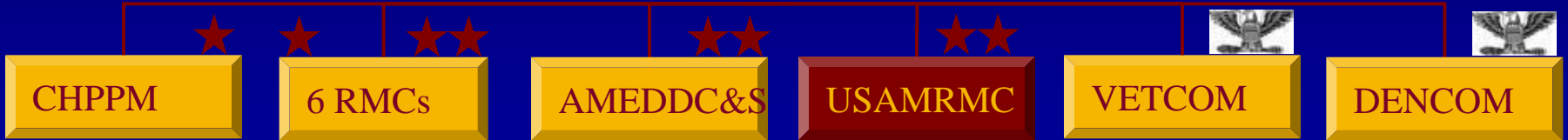
Institute of Surgical Research

1968 - 1996

Commands and Personnel

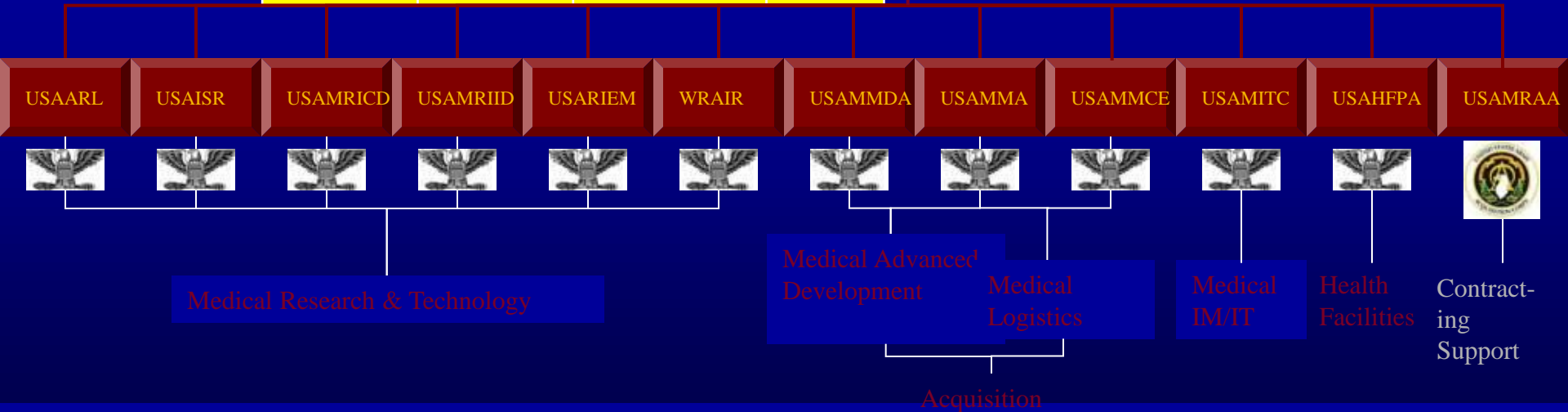


★★★ MEDCOM



USAMRMC Actual Personnel – Dec 2008

MILITARY	CIVILIAN	CONTRACTOR	TOTAL
1008	2,430	2,865	6,303
15.99%	38.55%	45.46%	100.00%





Focus on Threats to Soldier Health and Performance

Endemic Disease Threats

- Parasitic Diseases
- Bacterial Diseases
- Viral Diseases

Chemical/Biological Warfare Threats

- Bacterial Threats
- Viral Threats
- Toxin Threats
- Nerve Agents
- Vesicant Agents
- Blood Agents

Environmental Hazards

- Heat and Cold
- Altitude
- Toxic Industrial Chemicals and Materials



Operational Stressors

- Sleep Deprivation
- Traumatic Stress and Situational Stressors
- Physical Workload
- Cognitive Burden and Operational Complexity

Combat Injuries

- Hemorrhage
- Tissue Injury and Trauma
- Resuscitation
- Medical Devices
- Clinical Research

Systems Hazards

- RFR
- Laser
- Blast
- Biomechanical
- Insults and Stresses



Leadership



BURN CARE

RESEARCH

“Translational Research”

MDs, RNs
CLINICAL

PhDs
BENCHTOP
RESEARCH



BURN CARE

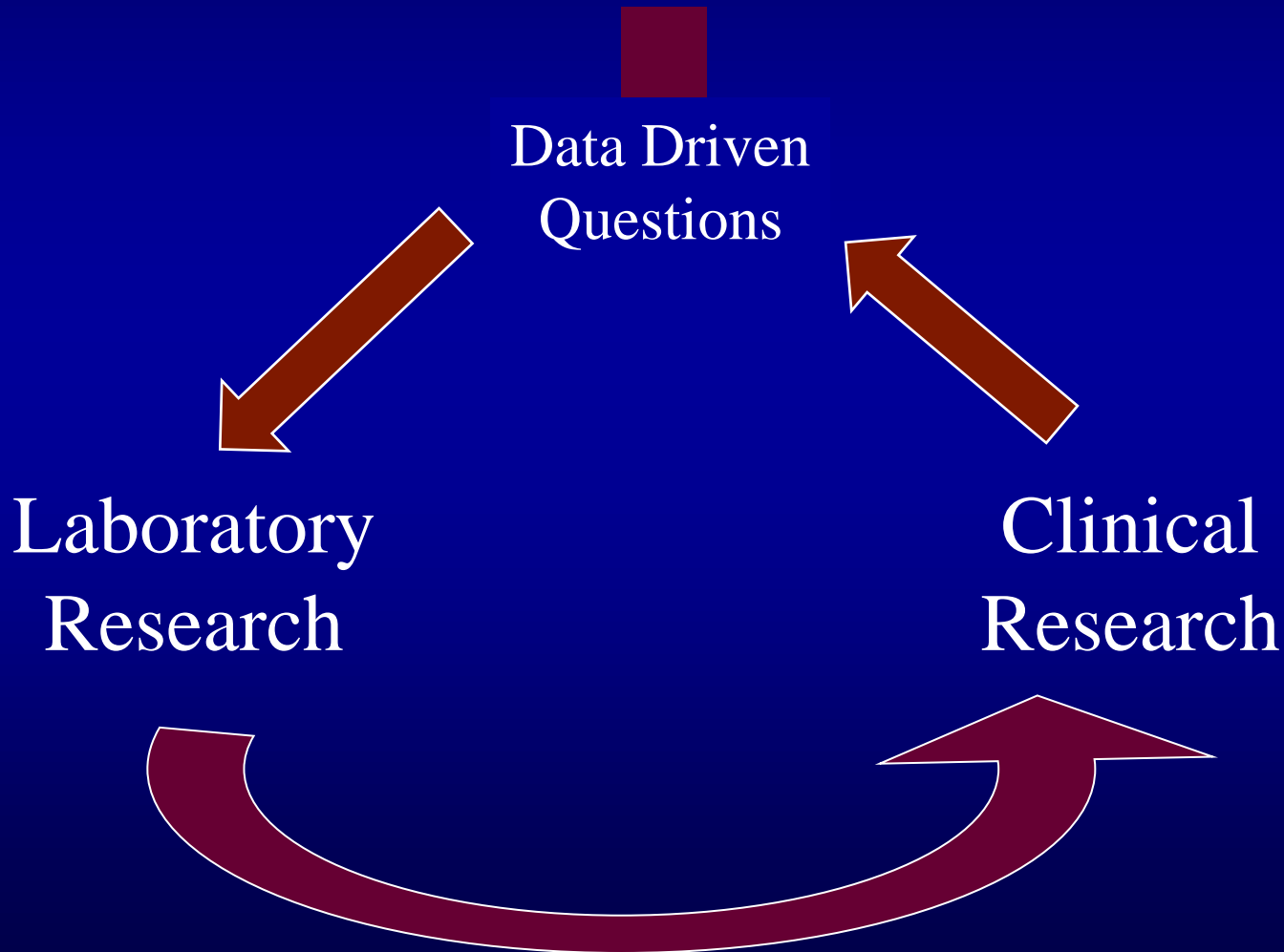


RESEARCH



Research Cycle

Battlefield Medical Problems JTTR



Battlefield Health and Trauma Research Institute





Unique

- ▶ **DOD's only CONUS Level I trauma center**
- ▶ **DOD's only Burn Center**
- ▶ **CCC Research**
- ▶ **JTS/JTTR**
- ▶ **All Medic training for DOD at Ft Sam Houston**