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

Moved to BAMC 1947

Renamed US Army Institute of Surgical Research in 1970

SRU / USAISR 1947 - 1970

Army Burn Unit
Brooke General Hospital 1949 - 1996

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

ANTIBIOTICS

THERMAL INJURY

BURN & TRAUMA
Colonel Basil A. Pruitt, Jr.

Commander
US Army
Institute of Surgical Research
1968 - 1996
Commands and Personnel

MEDCOM

CHPPM  6 RMCs  AMEDDC&S  USAMRMC  VETCOM  DENCOM

USAMRMC Actual Personnel – Dec 2008

<table>
<thead>
<tr>
<th>MILITARY</th>
<th>CIVILIAN</th>
<th>CONTRACTOR</th>
<th>TOTAL</th>
</tr>
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<tr>
<td>1008</td>
<td>2,430</td>
<td>2,865</td>
<td>6,303</td>
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<td>15.99%</td>
<td>38.55%</td>
<td>45.46%</td>
<td>100.00%</td>
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HEADQUARTERS

USAARL  USAISR  USAMRICD  USAMRIID  USARIEM  WRAIR  USAMMDA  USAMMA  USAMMCE  USAMITC  USAHFP  USAMRAA

Medical Research & Technology

Medical Advanced Development

Medical Logistics

Medical IM/IT

Health Facilities

Contracting Support

Acquisition
Focus on Threats to Soldier Health and Performance

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

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

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

Data Driven Questions

Laboratory Research

Clinical Research
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