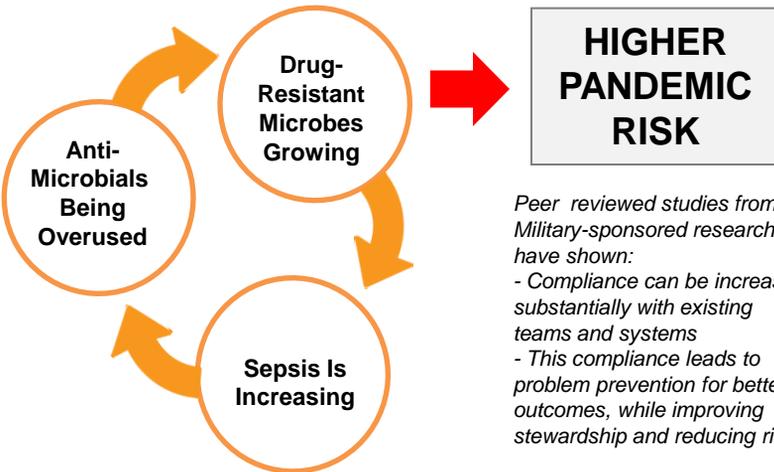


Public Safety Initiative for Antibiotic Stewardship

An Initiative for The Public Good by The High Reliability Organization Council

THE CHALLENGE

The vicious cycle of disease vs. antibiotics: Antibiotic and other anti-microbial overuse is leading to drug-resistant microbes, ultimately affecting all of us, as it may result in a global pandemic threat.



Peer reviewed studies from Military-sponsored research have shown:

- Compliance can be increased substantially with existing teams and systems
- This compliance leads to problem prevention for better outcomes, while improving stewardship and reducing risk

The Research Needed to Conquer Any Disease:

1. Understand the biology of the disease
2. Develop effective therapies based on that research
3. Deliver those therapies effectively (i.e. DELIVERY SCIENCE)

Based on estimates from a major foundation*, \$4.5 billion/yr. is required to protect against pandemic threats. Delivery science is crucial to this, but is significantly under-funded.**

Sources: * Bill & Melinda Gates Foundation; ** Safety expert Peter Pronovost, M.D.

We Seek To Assist That Effort And Do Our Part

COMBATING TASK SATURATION HELPS DELIVERY SCIENCE IMPROVE

Combating TASK SATURATION is the key to increased reliability and preparedness. In studies utilizing new methods to address Task Saturation, reductions in preventable sepsis and consequent use of restricted antibiotics (ABX) in key cohorts have dropped over 20%.

Achievable Goal: 10% Reduction in Restricted ABX Use

WHO DOES THIS BENEFIT?

- Hospital Patient Lives Saved
- Our Military and Veterans
- Ultimately, All of Us

What Is The High Reliability Organization Council (HROC)?

The HRO Council arose out of research with the U.S. Air Force which showed that the leading cause of poor reliability in teams was Task Saturation (i.e. too much to do in too little time, so tasks are missed). This led to the creation of the Military Acuity Model approach, which won the Military Health System Innovation Award in 2013.

Even though an HRO is good for patient safety, it is too often not cost-effective, because it relies on more and more checklists coupled with unsustainable overachieving – which leads to Task Saturation and dropping of key checklist tasks.

In the current landscape of rising demands with shrinking budgets, we must find a way to improve *both* public safety and patient safety.

Reducing Task Saturation is now a priority for leading military and civilian facilities. HROC is a team of experts synergizing efforts to show how to reduce sepsis and the overuse of antimicrobials.



WEBINARS WE ARE SHARING

High Reliability in Healthcare: How Do We Get There?

An Introduction to The Military Acuity Model (MAM)



Focus on less.
Achieve more.™

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