



# Navy and Marine Corps Public Health Center "Quick Hits"



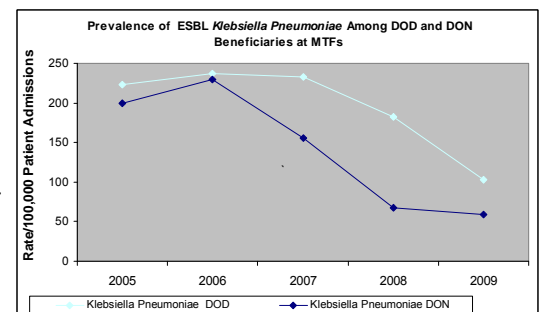
April 2010

## Infection Control Surveillance

NMCPHC's EpiData Center (EDC) has established a multi drug resistance organism (MDRO) surveillance and alert mechanism for infection control professionals at military treatment facilities (MTFs). This system, which is being piloted at Navy MTFs, provides the ability to rapidly characterize emerging drug resistance threats, track and monitor MDRO patients and comply with Joint Commission Patient Safety goals of reducing risk of healthcare-associated infections.

This capability, currently beta-tested at a pilot MTF, has been applied towards development of a daily alert surveillance system for the following MDROs of significant importance; multi drug resistance *Acinetobacter* and *Pseudomonas*, vancomycin resistant *Staphylococcus aureus* (VRSA), extended spectrum beta lactamase *Klebsiella*, *Enterobacter* and *Escherichia coli*.

The EDC maintains the ability to rapidly analyze microbiology data and respond to inquiries regarding emerging antimicrobial resistance and pathogen surveillance in a timely manner. Additionally, the EDC has established metrics that provide visibility on trends and burden of MDRO at specific MTFs and enterprise-wide.



### Important Resources and References for Infection Control Surveillance

- ▶ Proposal for enterprise-wide metrics for tracking MDROs, like MRSA and *Acinetobacter*, in the DON [https://164.167.141.21/mil-only/Surv\\_ToolBox/quickstats.htm](https://164.167.141.21/mil-only/Surv_ToolBox/quickstats.htm)
- ▶ Comparison of *Acinetobacter baumannii* infections between deployed and non-deployed inpatients [https://164.167.141.21/mil-only/Surv\\_ToolBox/quickstats.htm](https://164.167.141.21/mil-only/Surv_ToolBox/quickstats.htm)
- ▶ Description of hospital-acquired skin and soft tissue infections [https://164.167.141.21/mil-only/Surv\\_ToolBox/quickstats.htm](https://164.167.141.21/mil-only/Surv_ToolBox/quickstats.htm)
- ▶ Identification of National Healthcare Systems Network (NHSN) MDROs LabID event [http://www.cdc.gov/nhsn/mdro\\_cdad.html](http://www.cdc.gov/nhsn/mdro_cdad.html)

### Additional Benefits for MTF Infection Control

MTF infection control and microbiology professionals may now adopt the ability to analyze their own MDRO data in order to:

- ▶ Rapidly characterize emerging drug resistance threats and MDROs
- ▶ Track and monitor MDRO patients
- ▶ Analyze data according to local needs, including creation of antibiograms
- ▶ Comply with Joint Commission mandates for implementing a laboratory-based alert system that identifies MDROs
- ▶ Contact the NMCPHC EpiData Center to learn more or visit us at <http://www.nmcpnc.med.navy.mil>

### POC and Links

- NMCPHC Homepage: <http://www.nmcpnc.med.navy.mil/>
- NMCPHC Surveillance Toolbox (requires CAC access): [https://164.167.141.21/mil-only/Surv\\_ToolBox/quickstats.htm](https://164.167.141.21/mil-only/Surv_ToolBox/quickstats.htm)
- EDC Contact Email Address: [edc@nehc.mar.med.navy.mil](mailto:edc@nehc.mar.med.navy.mil)