

## Hospital-Acquired Infections: How Did We Do in 2009?

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## Infection Control Nurses

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## Infections Monitored Monthly

- Multiple Drug Resistant Organisms (MDRO)
- Viruses
- Catheter-related blood stream infections (CRBSI)
- Ventilator-associated pneumonias
- Infections following ventricular-peritoneal shunts, C-sections and colon surgeries

## Multiple Drug Resistant Organisms

- Methicillin-resistant *S. aureus* (MRSA)
- Vancomycin-resistant enterococcus (VRE)
- *Clostridia difficile* (CD)

## Methicillin-Resistant *S. Aureus*

- Total cases 135
- Hospital-acquired 20

## MRSA by Location

Location	Total	HA
V10	19	0
V9	59	2
V8	12	0
V7	17	1
PICU	14	4
NICU	12	12

### Vancomycin-Resistant Enterococcus

- Total 2
- Hospital-acquired 2

### *Clostridia Difficile*

- Total 41
- Hospital-acquired 13

### *Clostridia Difficile*

Location	Total	HA
V10	12	2
V9	8	5
V8	6	0
V7	6	1
PICU	6	4
NICU	Not a pathogen	Not a Pathogen

### Viruses

- Respiratory syncycial virus (RSV)
- Influenza virus
- Enterovirus
- Rotavirus

### RSV, Influenza, Rotavirus, Enterovirus

Numbers	RSV	Influenza	Rotavirus	Enterovirus
Total	244	184	97	39
HA	7	01	10	1

### Catheter-Related Blood Stream Infections in PICU and NICU Per 1000 Catheter Days

Number	PICU	NICU
Total catheter days	2958	5035
Total infections	6	9
Rate	2.0	1.8

## Pathogens Causing CRBSI

### PICU

- E. coli
- E. coli
- S. maltophilia
- VRE
- CONS

### NICU

- MRSA
- MSSA
- CONS
- CONS
- CONS
- CONS
- CONS
- Candida
- Candida

## Ventilator Associated Pneumonias in PICU and NICU Per 1000 Ventilator Days

Numbers	PICU	NICU
Ventilator days	2854	2832
Pneumonias	1	5
Rate	0.4	1.8

## Conclusions

- Overall we are doing well
- We need to work on reducing HA MRSA, especially in the NICU.
- We need to watch closely HA CD especially on V9 and in PICU (Hand hygiene with soap and water, not alcohol-based hand gel, preferred).

## Recommendations

- Disinfect surfaces for at least 15 seconds when collecting blood cultures.
- Allow disinfectants to air dry.
- Collect a peripheral site and a catheter culture initially.
- Wash your hands.