

Infection Control Monitoring Program 2008

- ◆ Hospital-acquired (HA) multiple drug resistant organisms (MDRO)
- ◆ Hospital-acquired viruses
- ◆ PICU: catheter-associated (CA) blood stream infections (BSI), catheter-associated urinary tract infections (UTI), and ventilator-associated pneumonia (VAP)

Infection Control Monitoring Program 2008

- ◆ Surgical site infections (SSI) in Cesarean-sections (C-sections)
- ◆ Injuries due to sharp instruments
- ◆ Adequacy of sterilization procedures for supplies/equipment
- ◆ Water quality in hemodialysis

Hospital-Acquired Multiple Drug Resistant Bacteria

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

Hospital Isolation Policy for MRSA and VRE

- ◆ Contact precautions for duration of hospitalization
- ◆ Colonization site for MRSA: nose
- ◆ Colonization site for VRE: stool

Hospital-Acquired Viruses

- ◆ Respiratory syncytial virus (RSV)
- ◆ Rotavirus (RV)
- ◆ Enter viruses (EV)
- ◆ Influenza viruses (IFV)

Methicillin-Resistant *Staphylococcus Aureus* 2007

Location	Total	Hospital-Acquired
V6-V10	210	2
PICU	25	6
NICU	43	43

NICU Isolation Policy for MRSA

- ◆ Contact presentations for duration of hospitalization
- ◆ Cohort MRSA patients

MRSA Screens for New NICU Admissions

- ◆ Contact precautions
- ◆ Nose culture (anterior nares) for MRSA
- ◆ MRSA negative patient: discontinue precautions
- ◆ MRSA positive patient (2/344=0.5%, 2007): continue precautions; intra-nasal mupirocin BID x 5 days
- ◆ Cord culture (umbilicus): being evaluated

MRSA Prevalence in Entire NICU over Three Days

- ◆ 55 infants tested: 3 positive

Vancomycin-Resistant Enterococcus 2007

Location	Total	Hospital-Acquired
V6-V10	6	0
PICU	4	2
NICU	4	4

Clostridia Difficile 2007

Location	Total	Hospital-Acquired
V6-V10	26	11
PICU	7	5
NICU	9 ^a	9

^a not considered pathogen in newborn

Respiratory Syncytial Virus 2007

Location	Total	Hospital-Acquired
V7	177	1
V6, V8-V10	30	0
PICU	21	1
NICU	0	0

Rotavirus 2007

Location	Total	Hospital-Acquired
V7	102	9
V6,V8-V10	74	3
PICU	2	0
NICU	0	0

Enteroviruses 2007

Location	Total	Hospital-Acquired
V7	89	0
V6,V8-V10	73	0
PICU	5	2
NICU	11	5

PICU Nosocomial Infections 2007

Infection	Days	Number of Infections	Infections / 1000 days
CA-BSI	2089	4	1.9
CA-UTI	2035	5	2.5
VAP	2136	3	1.4

Surgical Site (SS) Infections in C-Sections 2007

- ◆ Number of C-Sections: 1147
- ◆ Number of surgical site infections (SSI): 18
- ◆ Rate of SSI 1.6%

Sharp Injuries 2007

- ◆ 20 (down from high of 27 in 2003)
- ◆ 10.8/100 occupied beds (down from high of 17.9 in 2002)
- ◆ Lowest number and rate in Kaleida Health System

Adequacy of Sterilization Procedures for Supplies 2007

- ◆ 2915 runs tested: 0 failures
- ◆ Flash sterilization performed: 0

Water Quality in Hemodialysis 2007

- ◆ 10 sites sampled monthly
- ◆ 120 samples; 0 failures

Congratulations

- ◆ PICU staff
- ◆ NICU staff
- ◆ Nursing staff on other floors, especially Meryl Machowiak and the V7 staff
- ◆ Labor and Delivery staff
- ◆ Sandy Stoltman and the Central Processing staff
- ◆ Mary O'Shea and the Hemodialysis staff

