



CATHOLIC HEALTH LIFE

Margaret Wilber, RN, BSN
March 6, 2012

Today's Agenda

- Infection Control Tracking and Trending
- Hand Hygiene Tracking and Trending
- Environment of Care Rounds

Infection Control Tracking and Trending

- Infection Control Policy and Procedure
 - The LIFE Interdisciplinary Team (IDT) acts as a resource for infection control practices
 - The LIFE IDT coordinates the process of infection control activities through the guidance of the Catholic Health Infection Control Steering Committee and the LIFE Infection Control RN
 - The Infection Control RN is responsible for the oversight and reporting of the infection control program to the LIFE QM/UM Committee and the Catholic Health Infection Control Steering Committee

Infection Control Tracking and Trending

- **Monitoring:**
 - Infections may be identified by:
 - Direct report by the participant or the caregiver
 - Clinical assessment performed in the clinic setting through the review of systems or physical examination
 - Observation of the participant in the Day Center
 - The Participant Infection Report is completed and forwarded to the Infection Control RN for tracking and reporting purposes

Infection Control Tracking and Trending

- While infections of all kinds may be reportable the following are the major classifications that are currently being monitored in the LIFE program:
 - **Respiratory Tract** upper tract infections, such as pharyngitis and sinusitis, and lower tract infections, such as bronchitis and pneumonia. Influenza like illness. TB.
 - **Urinary Tract** with and without foley catheter
 - **Gastrointestinal Tract** gastroenteritis
 - **Skin** cellulitis, soft tissue, wound, pressure ulcer, herpes zoster shingles, and scabies
 - **Eye, Ear, and Mouth** conjunctivitis, ear infection, mouth and perioral infection, including oral candidiasis
 - **Systemic** primary bloodstream infection
 - **Multi Drug Resistant Organisms** MRSA, VRE, ESBL, KPC, acinetobacter

Example Participant Infection Report

Patient Name: Smith, Mary

Medical Record #: 1111

Date of Infection: 7/18/11

Date of culture: 7/15/11

Culture Results: Klebsiella pneumoniae >100,000 cfu/ml

Type of infection: UTI

Healthcare Associated : no

Presenting symptoms: burning, frequency, dark urine

Lab Work/Radiology Results: none

Treatment: Cipro 500 mg oral BID x 3 days.

Date of Resolution: 7/24/11, repeat culture neg.

RN completing the report: Jane Jones , RN

Infection Control Log - Respiratory Tract

Respiratory Tract											
				Date of	Date of	Culture		Presenting	Lab		
	<u>Name (L,F)</u>	<u>MR #</u>	<u>Type of Infection</u>	<u>Infection</u>	<u>Culture</u>	<u>Results</u>	<u>HAI (Y/N)</u>	<u>S & S</u>	<u>Results</u>	<u>Treatment</u>	<u>Date of Resolution</u>
Jan-2012	-	-	-	-	-	-	-	-	-	-	-
	Smith, Stanley	222	URI	1/4/2011			No	Cough, productive yellow sputum		Z-pak x 5 days	1/10/2011
	Brown, Charles	444	Pneumonia	1/15/2011			No	cough	positive CT of chest	Ceftriaxome 1 Gm IV daily, z-pak	1/21/2011
	Beige, Bradley	555	Pneumonia	1/15/2011	1/15/2011	Positive for influenza A antigen	No	fever, cough		Ceftriaxome 1 Gm IV daily, z-pak, tamiflu 75 mg oral BID x 5 days	1/21/2011

Infection Control Log – Urinary Tract

Urinary Tract											
				Date of	Date of	Culture		Presenting	Lab		
	<u>Name (L,F)</u>	<u>MR #</u>	<u>Type of Infection</u>	<u>Infection</u>	<u>Culture</u>	<u>Results</u>	<u>HAI (Y/N)</u>	<u>S & S</u>	<u>Results</u>	<u>Treatment</u>	<u>Date of Resolution</u>
	-	-	-	-	-	-	-	-	-	-	-
Jan-2012	-	-	-	-	-	-	-	-	-	-	-
	Heather, Sally	666	UTI	1/14/2011	1/14/2011	Klebsiella pneumoniae > 100,000cfu/ml	No	weakness, confusion, foul smelling urine		Macrochantin 50mg QID 1/15-1/16, switched to Cipro 500mg BID x 5 days once sensitivity report available. 1/24/11 Macrochantin x 5 days	1/22/2011
	House, Brenda	777	UTI	1/22/2010	1/20/2010	E. coli > 100,000 cfu/ml	No	none		Macrochantin 50 mg QID x 5 days	2/3/2011
	Green, Anne	888	UTI	1/27/2011	1/25/2011	E. coli > 100,000 cfu/ml	No	Foul smelling urine		Amoxicillin 500mg X 3 Days	2/3/2011

Infection Control Log – GI Tract

GI Tract											
	<u>Name (L,F)</u>	<u>MR #</u>	<u>Type of Infection</u>	<u>Date of Infection</u>	<u>Date of Culture</u>	<u>Culture Results</u>	<u>HAI (Y/N)</u>	<u>Presenting S & S</u>	<u>Lab Work/Radiology Results</u>	<u>Treatment</u>	<u>Date of Resolution</u>
	-	-	-	-	-	-	-	-	-	-	
Jan-2012	-	-	-	-	-	-	-	-	-		
	Indigo, Mary	999	Diverticulitis	1/23/2011			No	Diarrhea, abd pain		Cipro 500mg BID x 7 days Flagyl 500 mg q 12 hr x 7 days.	2/7/2011

Infection Control Log – Skin

Skin											
				Date of	Date of	Culture		Presenting	Lab		
	<u>Name (L,F)</u>	<u>MR #</u>	<u>Type of Infection</u>	<u>Infection</u>	<u>Culture</u>	<u>Results</u>	<u>HAI (Y/N)</u>	<u>S & S</u>	<u>Results</u>	<u>Treatment</u>	<u>Date of Resolution</u>
	-	-	-	-	-	-	-	-	-	-	-
Jan-2012	-	-	-	-	-	-	-	-	-	-	-
	Train, Thomas	1111	Left hand cellulitis	1/20/2011			No	L hand cat bite, 3 small puncture wounds. Periwound reddened		Augmentin one tab PO q 12 hr x 10 days	2/5/2011
	Blue, Betty	577	Bilateral LE cellulitis	1/16/2011	1/16/2011	Gram + cocci, gram - bacilli, proteus mirabilis	No	redness, drainage		Doxycycline one tab PO BID X 10 days	2/7/2011
	Knight, Sam	341	Bilateral LE cellulitis	1/24/2011			No	lower legs red and edematous		Doxycycline 100mg PO BID x 10 days, Lasix 40mg PO BID. Elevate legs.	2/8/2011

Infection Control Log – Eye, Ear & Mouth

Eye, Ear & Mouth											
				Date of	Date of	Culture		Presenting	Lab Work/Radiology		
	<u>Name (L,F)</u>	<u>MR #</u>	<u>Type of Infection</u>	<u>Infection</u>	<u>Culture</u>	<u>Results</u>	<u>HAI (Y/N)</u>	<u>S & S</u>	<u>Results</u>	<u>Treatment</u>	<u>Date of Resolution</u>
	-	-	-	-	-	-	-	-	-	-	
Jan-2012	-	-	-	-	-	-	-	-	-		
	Number, Jane	11111	Conjunctivitis	1/14/2011			No	tearing, drainage		Gentamycin ophthalmic drops 0.3% 3 gtts ou TID until clear	1/26/2011
	Melon, Jack	4411	Bilateral conjunctivitis	1/23/2011			No	Green drainage OU, sclera red		Gentamycin ophthalmic drops 0.3% 1 gtts ou QID x 7 days	1/27/2011

Infection Control Log – Systemic

Systemic												
				Date of	Date of	Culture		Presenting	Lab			
	<u>Name (L,F)</u>	<u>MR #</u>	<u>Type of Infection</u>	<u>Infection</u>	<u>Culture</u>	<u>Results</u>	<u>HAI (Y/N)</u>	<u>S & S</u>	<u>Work/Radiology</u>	<u>Results</u>	<u>Treatment</u>	<u>Date of Resolution</u>
	-	-	-	-	-	-	-	-	-	-	-	
Jan-2012	-	-	-	-	-	-	-	-	-	-	-	-

Infection Control Log – MDRO

MDRO											
	<u>Name (L,F)</u>	<u>MR #</u>	<u>Type of Infection</u>	<u>Date of Infection</u>	<u>Date of Culture</u>	<u>Culture Results</u>	<u>HAI (Y/N)</u>	<u>S & S</u>	<u>Lab Work/Radiology Results</u>	<u>Treatment</u>	<u>Date of Resolution</u>
	-	-	-	-	-	-	-	-	-	-	-
Jan-2010	-	-	-	-	-	-	-	-	-	-	-
	Winter, Sunny	1199	C-difficile colitis	1/3/2011	1/2/2011	C-difficile	Yes	persistent diarrhea		Vancomycin suspension 500mg PO Q 6h x 7 days then 250mg PO q 6h x 7days then 125mg PO q 6h x7 days then d/c	1/24/2011

Infection Control Log – Other

Other											
				Date of Infection	Date of Culture	Culture Results	HAI (Y/N)	Presenting S & S	Lab Work/Radiology Results	Treatment	Date of Resolution
	-	-	-	-	-	-	-	-	-	-	-
Jan-2012	-	-	-	-	-	-	-	-	-	-	-
	Green, Rose	1234	Post-op wound infection R breast		1/22/2011	rare gram neg bacilli	Yes	Erythema, low grade temp		Doxycycline 100 mg PO BID. Abscess drained 1/22/11 & Doxycycline d/c'd Clindamycin 300mg TID x 10 days	2/2/2011

LIFE 2011 Tracking Sheet

LIFE 2011 TRACKING SHEET														
	N	4	0	1	4	1	3	8	4	4	2	1	8	40
	D	47	49	53	52	54	57	58	59	62	67	72	80	710
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2011 YTD
UTI		8.5	0.0	1.9	7.7	1.9	5.3	13.8	6.8	6.5	3.0	1.4	10.0	5.6
	N	3	0	0	3	3	4	1	0	1	3	0	1	19
	D	47	49	53	52	54	57	58	59	62	67	72	80	710
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2011 YTD
URI		6.4	0.0	0.0	5.8	5.6	7.0	1.7	0.0	1.6	4.5	0.0	1.3	2.7
	N	0	0	0	1	0	0	0	0	1	0	0	0	2
	D	47	49	53	52	54	57	58	59	62	67	72	80	710
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2011 YTD
GI		0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.3
	N	2	1	0	0	1	0	0	0	1	1	0	1	7
	D	47	49	53	52	54	57	58	59	62	67	72	80	710
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2011 YTD
MDRO		4.3	2.0	0.0	0.0	1.9	0.0	0.0	0.0	1.6	1.5	0.0	1.3	1.0
	N	4	1	2	1	1	0	0	0	2	1	0	0	12
	D	47	49	53	52	54	57	58	59	62	67	72	80	710
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2011 YTD
ENT		8.5	2.0	3.8	1.9	1.9	0.0	0.0	0.0	3.2	1.5	0.0	0.0	1.7
	N	0	1	0	0	0	3	0	2	1	0	0	0	7
	D	47	49	53	52	54	57	58	59	62	67	72	80	710
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2010 YTD
SKIN		0.0	2.0	0.0	0.0	0.0	5.3	0.0	3.4	1.6	0.0	0.0	0.0	1.0
	N	0	0	0	0	0	0	0	0	0	0	0	0	0
	D	47	49	53	52	54	57	58	59	62	67	72	80	710
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	2010 YTD
SYSTEMIC		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	N	1	0	0	0	0	0	1	0	2	0	0	0	4
	D	47	49	53	52	54	57	58	59	62	67	72	80	710
		Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Mar-00	Dec-11	2010 YTD
OTHER		2.1	0.0	0.0	0.0	0.0	0.0	1.7	0.0	3.2	0.0	0.0	0.0	0.6

* Denominator = # of participants

Hand Hygiene Compliance

LIFE 2011 Hand Hygiene Compliance

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total
MD/PA	N	2	0	1	1	0	5	3	0	0	2	0	0	14
	D	2	0	1	1	0	5	3	0	0	2	0	0	14
	%	100%	#DIV/0!	100%	100%	#DIV/0!	100%	100%	#DIV/0!	#DIV/0!	100%	#DIV/0!	#DIV/0!	100%
RN/LPN/HHA	N	22	19	20	19	19	31	24	23	15	25	27	26	270
	D	22	19	22	19	19	31	24	23	16	25	27	26	273
	%	100%	100%	91%	100%	100%	100%	100%	100%	94%	100%	100%	100%	99%
Dietary	N	2	1	1	1	1	2	0	1	0	0	1	0	10
	D	2	1	1	1	1	2	0	1	0	0	1	0	10
	%	100%	100%	100%	100%	100%	100%	#DIV/0!	100%	#DIV/0!	#DIV/0!	100%	#DIV/0!	100%
Environmental Services	N	2	0	1	2	0	1	1	0	0	1	1	2	11
	D	2	0	1	2	0	1	1	0	0	1	1	2	11
	%	100%	#DIV/0!	100%	100%	#DIV/0!	100%	100%	#DIV/0!	#DIV/0!	100%	100%	100%	100%
Rehab	N	2	1	3	2	0	4	0	1	0	3	0	3	19
	D	2	1	3	2	0	4	0	1	0	3	0	3	19
	%	100%	100%	100%	100%	#DIV/0!	100%	#DIV/0!	100%	#DIV/0!	100%	#DIV/0!	100%	100%
Social Work	N	1	0	1	1	0	2	0	1	0	1	1	1	9
	D	1	0	1	1	0	2	0	1	0	1	1	1	9
	%	100%	#DIV/0!	100%	1%	#DIV/0!	100%	#DIV/0!	100%	#DIV/0!	100%	100%	100%	100%
Volunteers	N	0	0	0	1	0	1	0	0	0	0	0	0	2
	D	0	0	0	1	0	1	0	0	0	0	0	0	2
	%	#DIV/0!	#DIV/0!	#DIV/0!	100%	#DIV/0!	100%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100%
Other	N	0	0	0	0	2	0	4	0	0	0	0	0	6
	D	0	0	0	0	2	0	4	0	0	0	0	0	6
	%	#DIV/0!	0%	#DIV/0!	#DIV/0!	100%	#DIV/0!	100%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	100%
Total	N	31	21	27	27	22	46	32	26	15	32	31	32	342
	D	31	21	29	27	22	46	32	26	16	32	31	32	345
	%	100%	100%	93%	100%	100%	100%	100%	100%	94%	100%	100%	100%	99%

Environment of Care Checklist

				LIFE Environment of Care Checklist DATE: _____	
Criteria	Yes	No	N/A	Comments	Responsible Person
PRACTICE ISSUES					
1. Hand washing supplies are at each sink and hand sanitizer is readily available					
2. Gowns, gloves, protective eyewear are readily available					
3. Hand-washing before/after patient contact and after glove removal is observed					
4. Staff observed wiping tables with appropriate solution prior to meals.					
5. Staff aware of how to clean a blood spill and spill kit is available					
6. Staff are not recapping needles and are properly disposing of them					
7. Staff are familiar with webpage and are comfortable using it					
8. Staff are aware of what to do in the event of an occupational exposure					
9. No artificial nails on staff working in clinical areas					
10. Sharps containers are not overfilled (no more than 3/4 full) and are correctly labeled					

QUESTIONS?

