

**NUR 111**  
**Infection - MRSA**

**Description:** This module further develops understanding of the concept of infection by exploring factors associated with the invasion of body tissue by a specific microorganism known as Methicillin Resistant Staphylococcus Aureus (MRSA) and its potential to cause illness or disease.

**Learning Outcomes:**

Upon completion of this module the student will be able to:

1. Differentiate between pathogens that are susceptible to drug intervention and resistant pathogens that cause infection and the status of MRSA as a pathogen in infection.
2. Identify the medical practices that contribute to development of resistant strains of pathogens and its prevalence in current medical practice.
3. Identify risk factors for acquiring a MRSA infection.
4. Understand the modes of transmission for MRSA.
5. Identify the signs and symptoms of MRSA infections.
6. Identify the specific Standard and Transmission based precautions and infection control measures required for patients identified with MRSA.
7. Describe the key preventative strategies for MRSA transmission to other patients and the role of the nurse
8. Discuss treatment and nursing interventions for the patient with MRSA.
9. Identify key teaching points for patients, family members, medical workers, and the community related to MRSA infections.

**Learning Resources:**

Text: *NC ADN Textbook*, Volume ?, Chapter ?.

Websites:

<http://www.mayoclinic.com/health/mrsa/DS00735>

<http://www.mayoclinic.com/health/mrsa/ID00049>

Go to the Center for Disease Control Website – under Diseases – select MRSA – Review all the information under the site including the podcast and related background and General information items for both the Health Care Associated MRSA and Community Associated MRSA webpages (see links below

[http://www.cdc.gov/ncidod/dhqp/ar\\_mrsa.html](http://www.cdc.gov/ncidod/dhqp/ar_mrsa.html)

[http://www.cdc.gov/ncidod/dhqp/ar\\_mrsa\\_ca.html](http://www.cdc.gov/ncidod/dhqp/ar_mrsa_ca.html)

Identify with website URL, name of institution or person supply information, and the date the website was last revised for any other web site information you use in your web quest

Guest Speaker: Infection Control Officer from Local Hospital

**Learning Activities:**

Introductory lecture on MRSA and explanation of Web Quest activity.

Handout/Concept Map on MRSA concepts

**WEBQUEST:** Divide students into groups of 4. (Adjust roles as needed for group with more or less) Have students research the handout and the above websites (and others they find) with each group member having a different perspective:

Member 1: Patient with MRSA

Member 2: Physician who needs to treat patient with MRSA

Member 3: Nurse taking care of a patient with a wound with MRSA

Member 4: Nurse at the Public Health facility / or infection control officer of the facility where the MRSA case has been reported.

After students have read the handout/concept maps and visited the websites they are to get together as a group and discuss each of the objectives from THEIR assigned perspective as patient, physician, and as each nurse role. (this section could be given as a “pre-assignment”).

Once all groups have met, the instructor then facilitates a whole class discussion with each group sending their “perspective” up to the front of the classroom to discuss their learning, reactions and concerns about MRSA from the activity (Example – all “patients” go up and discuss with the class their perspective on having the disease and information needed, concerns, feelings, fears, etc.). The instructor can facilitate each of these perspectives through questions arranged prior for that specific perspective or by just following the objectives of the module.

The guest speaker can then solidify the perspective of the nurse roles in relation to management of MRSA.

**Evaluation:**

Unit exam

Lab competencies on wound changes, isolation procedures

Clinical Performance Evaluation – Infection control competencies