HAND HYGIENE IN HEALTH CARE

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Brno

2011

- WHY??
- WHO??

HEALTH CARE-ASSOCIATED INFECTIONS

affect hundreds of millions of patients worldwide every year.

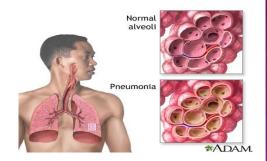
Infections

- lead to more serious illness
- prolong hospital stays
- induce long-term disabilities
- add high costs to patients and families
- contribute to additional financial burden on the health-care system
- often result in tragic loss of life.



TYPE OF HCAI

VAP = ventilator-associated pneumonia



 CLA-BSI = central lineassociated bloodstream infection



CR-UTI = catheter-related urinary tract infection



• SSI = surgical site infection



HEALTH CARE-ASSOCIATED INFECTIONS

 HCAI is a major problem for patient safety and its prevention must be a first priority for settings and institutions committed to making health care safer.

 Hand hygiene is the primary measure to reduce infections and the spread of antimicrobial resistance.

 WHO: New global Guidelines on Hand Hygiene in Health Care

HCAI IN DEVELOPED COUNTRIES

- concerns 5–15% of hospitalized patients
- can affect 9–37% of those admitted to intensive care units.
- Prevalence rates of infection:
- Europe: from 9 to 37% when assessed 12
- USA: with trude mortality rates ranging from 12% to 80%.
- Device-associated infections have a great economic impact; for example catheter-infection caused by methicillin-resistant Staphylococcus aureus (MRSA) may cost as much as US\$ 38 000 per episode.

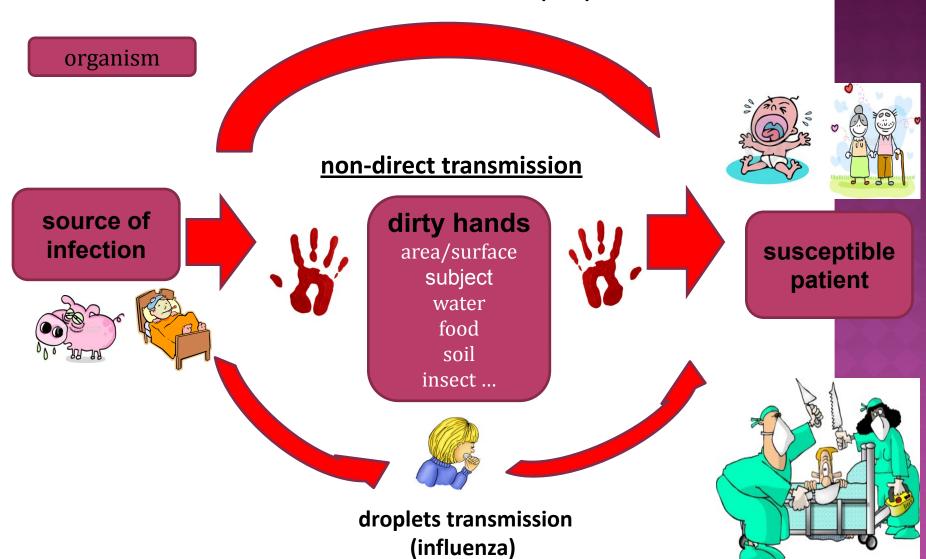
HCAI IN DEVELOPING COUNTRIES



- The risk for patients to develop surgical site infection (SSI), the most frequently type in developing countries, is significantly higher than in developed countries
- e.g. 30.9% in a paediatric hospital in Nigeria
- 23% in general surgery in a hospital in the United Republic of Tanzania
- 19% in a maternity unit in Kenya

MODE OF TRANSMISSION

direct transmission (STD)



Prevention of nosocomial infections

- observance of hygienic rules
- implementation of disinfection and sterilization

can reduce the presence of microorganisms

HAND HYGIENE

AREAS AND SUBJECTS DISINFECTION

TOOLS DISINFECTION



HAND HYGIENE



Cost-effective method of preventing the spread of hospital infections

HANDS TRANSMITS UP TO 60% INFECTIONS

INDICATIONS FOR HAND HYGIENE

- A. Wash hands with soap and water when visibly dirty or visibly soiled with blood or other body fluids or after using the toilet.
- B. If exposure to spore-forming pathogens is strongly suspected or proven (*Clostridium difficile*, hand washing with soap and water is the preferred means.
- C. Use an alcohol-based handrub for routine hand antisepsis in all other clinical situations. If it is not obtainable, wash hands with soap and water.

HAND HYGIENE – WHO??

- personal doctor, nurse ...
- patient
- visitors

= all in hospital

PERFORM HAND HYGIENE:

- before and after touching the patient
- before handling an invasive device for patient care, regardless of whether or not gloves are used
- after contact with body fluids or excretions, mucous membranes, non-intact skin, or wound dressings
- if moving from a contaminated body site to another body site during care of the same patient

PERFORM HAND HYGIENE:

- after contact with inanimate surfaces and objectes (including medical equipment) in the immediate vicinity of the patient after removing sterile or non-sterile gloves
- before handling medication or preparing food perform hand hygiene using an alcohol-based handrub or wash hands with either plain or antimicrobial soap and water

USE OF GLOVES

 The use of gloves does not replace the need for handhygiene (HR, HW)



- Wear gloves when is possible contact with blood or other potentially infectious materials, mucous membranes or non-intact skin
- Remove gloves after caring for a patient. Do not wear the same pair of gloves for the care of more than one patient
- When wearing gloves, change or remove gloves during patient care if moving from a contaminated body site to either another body site within the same patient or the environment
- The reuse of gloves is not recommended.

OTHER ASPECTS OF HAND HYGIENE

 Soap and alcohol-based handrub should not be used concomitantly.

 Do not wear watch, rings and artificial fingernails when having direct contact with patients.

Keep natural nails short (less than 0.5 cm long)





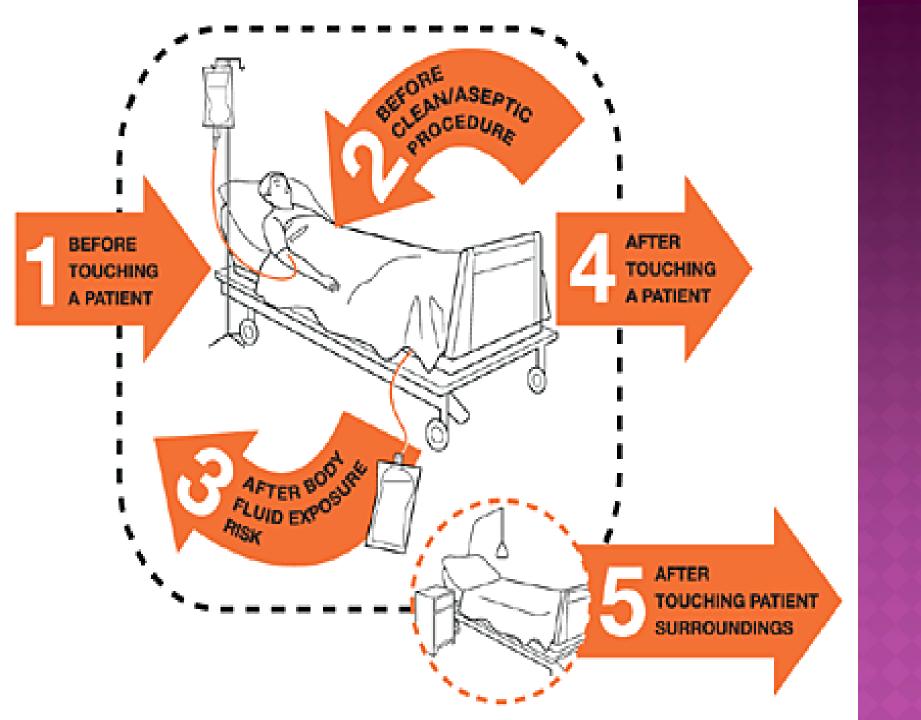


MY 5 MOMENTS FOR HAND HYGIENE

defines the key moments when health-care workers should perform hand hygiene.

This approach recommends to clean their hands

- before touching a patient,
- before clean/aseptic procedures,
- after body fluid exposure/risk,
- after touching a patient, and
- after touching patient surroundings.



HOW TO HANDWASH?

WASH HANDS WHEN VISIBLY SOILED!

OTHERWISE, USE HANDRUB

40 -60 sekund !!!





HOW TO HANDRUB?

RUB HANDS FOR HAND HYGIENE! WASH HANDS WHEN VISIBLY SOILED

40 -60 sekund !!!



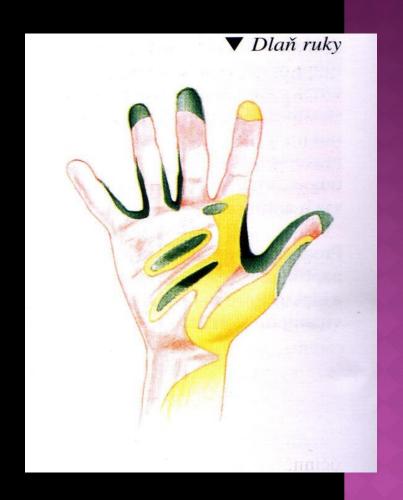




Often forgotten places

back of the hand





palm of the hand

THE END

"Clean Care is Safer Care"

is not a choice

but

a basic right.



Thank you for attention

followed by a practical demonstration of their own hands...