

Indiana University Health

Why Does Hand Hygiene Matter?





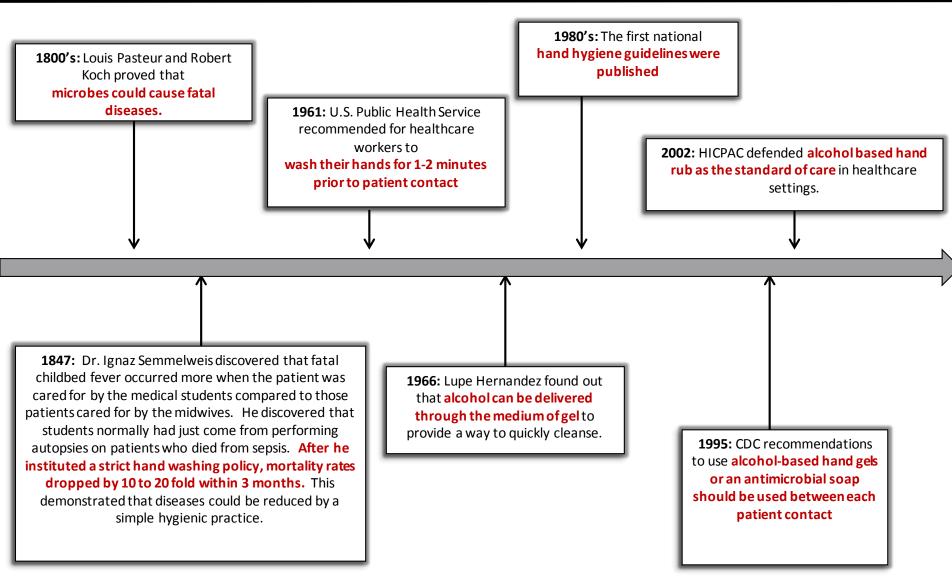
Explain why hand hygiene matters

Explain how to perform hand hygiene

Describe how and when to perform a crucial conversation regarding Hand Hygiene



The History of Hand Hygiene







In 2011, world wide 75,000 people died from HAIs (Healthcare Acquired Infections).

That is equal to almost 4 Boeing 747 going down every day!!! (CDC)

The FACTS



The number of people who die from HAIs is estimated to be more than the total deaths from:

- Motor vehicle accidents
- Breast cancer
- AIDS (Institute of Medicine)

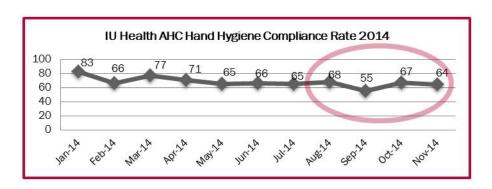
COMBINED

Why is hand hygiene important and why do we measure the compliance?



Why is hand hygiene important?

- Health-care workers (HCW) hands are the most common way healthcare-associated pathogens are transmitted from one patient to another.
- Therefore, hand hygiene is one of the most important actions you can take to prevent the spread of infections.
- Hand hygiene is measured at IUH through direct observation of the healthcare worker performing the 5 moments.



Why is hand hygiene measurement important?

- Accurate data on our performance is essential so we can learn about barriers to hand hygiene and develop plans for improvement.
- Hand hygiene measurement is required for regulatory purposes and to measure our progress.



Why Hand Hygiene????



Is Hand Hygiene Effective?











Clean and dirty hands of healthcare workers were cultured and plated on petri dishes. Dirty hands grew MRSA, VRE and other pathogens



Who should perform hand hygiene?

Any person involved in direct or indirect patient care

Families

Visitors

Patients



What should I use to clean my hands?

Soap and Water

- When your hands are visibly soiled
- 2. For enteric isolation
- 3. After using the restroom
- 4. Before and after eating
- After Coughing and Sneezing

Hand Sanitizer

- Preferred method for hand hygiene because of its ease of use and availability
- Wash your hands with soap and water if you feel that your hands become too tacky after multiple uses of hand sanitizer (CDC).



How to hand wash with soap and water:



Wet hands with water;



Apply enough soap to cover all hand surfaces;



Rub hands palm to palm;



Right palm over left dorsum with interlaced fingers and vice versa;



Palm to palm with fingers interlaced;



Backs of fingers to opposing palms with fingers interlocked;



Rotational rubbing of left thumb clasped in right palm and vice versa:



Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa;



Rinse hands with water;



Dry hands thoroughly with a single use towel;



Use towel to turn off faucet;



Your hands are now safe.

Critical components for effective hand washing:

- 1. Wet hands
- 2. Apply adequate soap
- 3. Scrub all surfaces
- 4. Scrub for a minimum of 15 seconds
- 5. Dry hands thoroughly
- 6. Turn off faucet with paper towel to prevent recontamination

How to perform hand hygiene with alcohol rub:





Apply a paimful of the product in a cupped hand, covering all surfaces;



Rub hands palm to palm;



Right palm over left dorsum with interlaced fingers and vice versa;



Palm to palm with fingers interlaced;



Backs of fingers to opposing palms with fingers interlocked;



Rotational rubbing of left thumb clasped in right palm and vice versa;



Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa;



Once dry, your hands are safe.

Critical components for effective hand hygiene with alcohol:

- Dispense an adequate amount of product to cover all surfaces of your hands.
- 2. Rub product on all surfaces of hands paying special attention to your nails
- 3. Rub until dry

1/2



In order to understand the importance of hand hygiene, it is imperative to know the chain of infection.

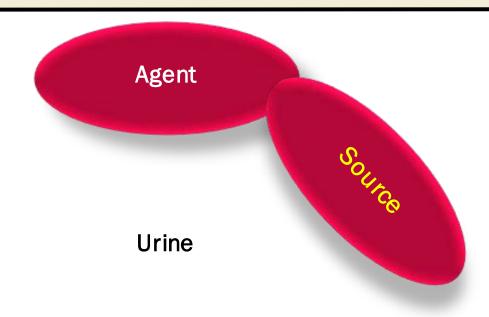




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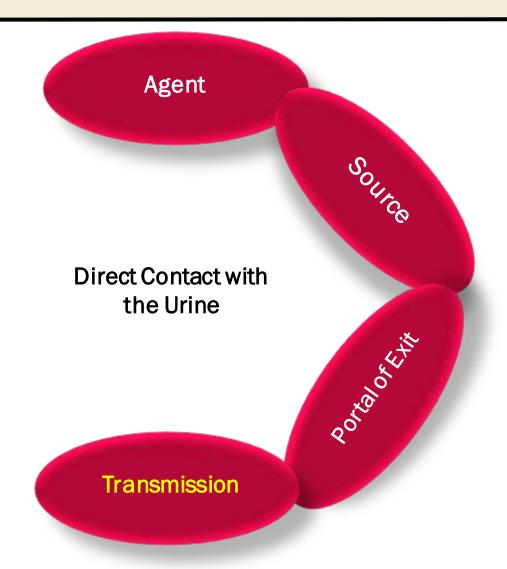




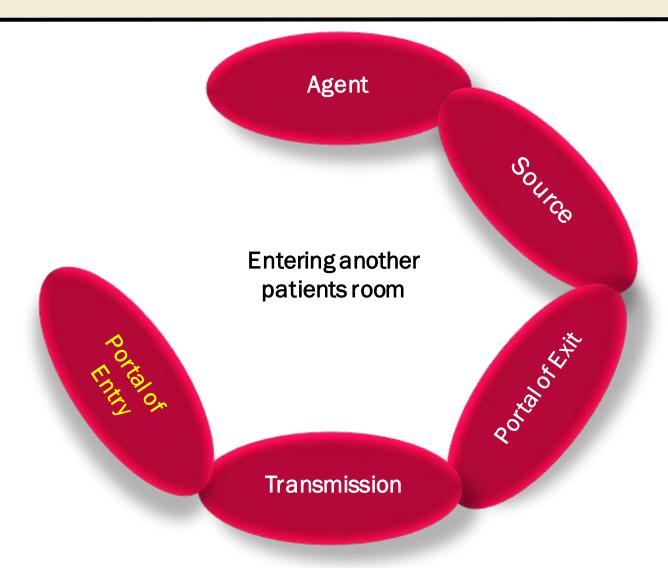




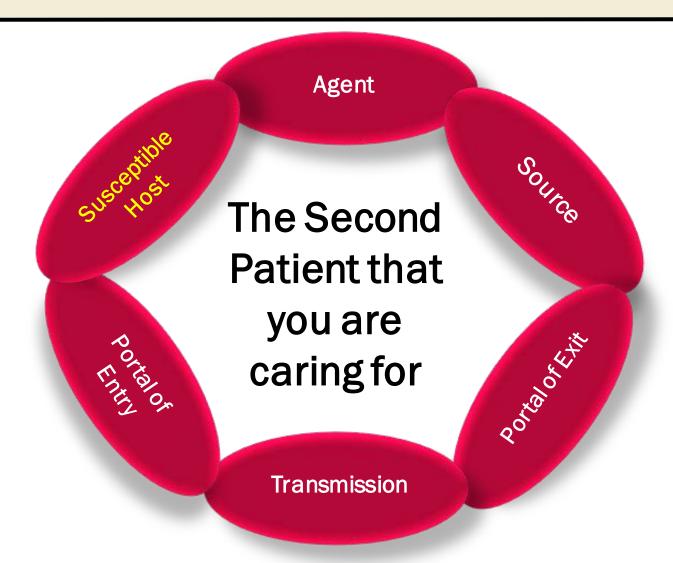




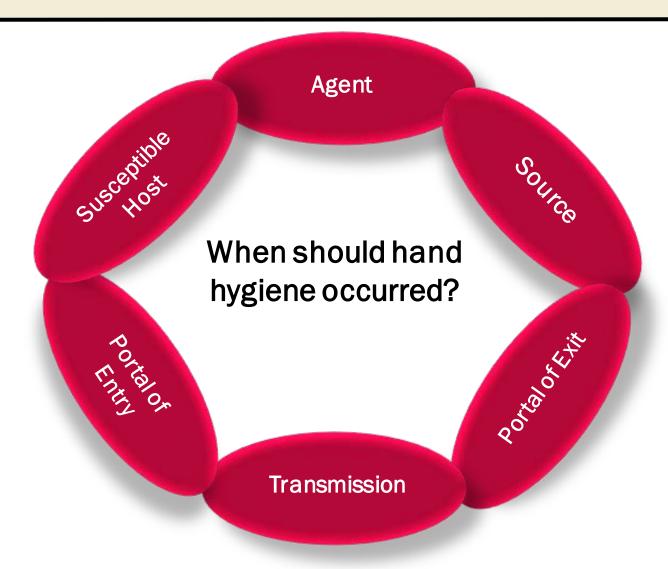




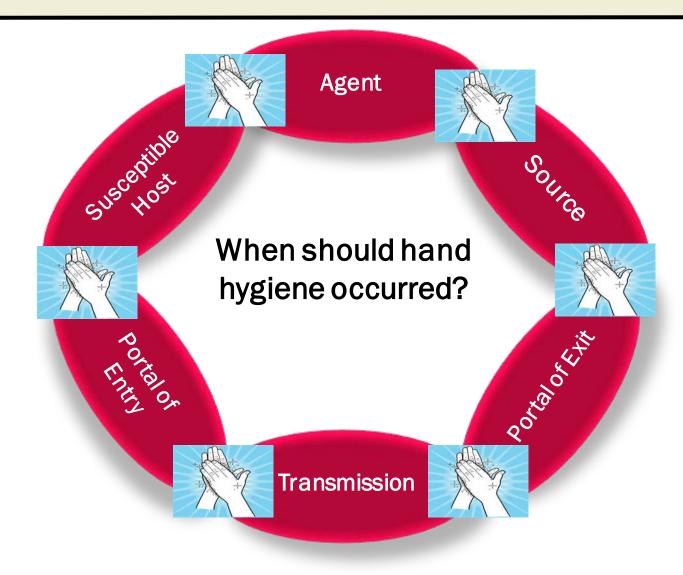
















Hand Hygiene can Break the Chain.

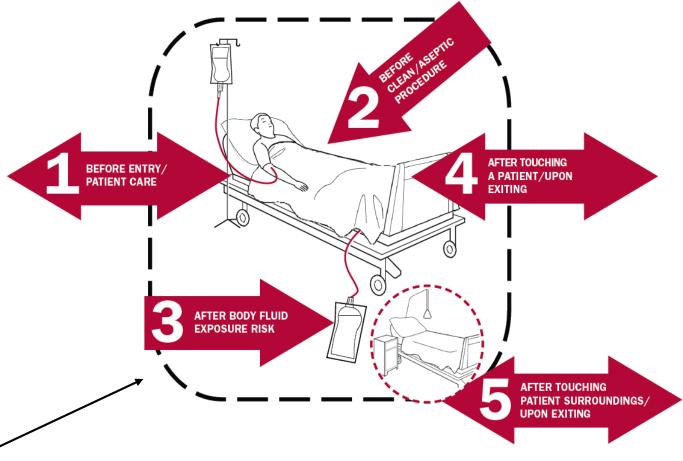
Interruption to any part of the chain...

- Renders microorganism inactive
- Stops further spread of disease



When to perform hand hygiene?

The 5 moments for hand hygiene:



The dotted line above represents the <u>patient zone</u>. The patient zone includes the patient and the surfaces and equipment that is temporarily dedicated to that patient.

Hand Hygiene should always occur before and after glove use



- Gloves do not replace the need to perform hand hygiene.
- When moving from dirty to clean task, the gloves must be removed because hand hygiene is required.
- Always clean hands before donning gloves.
- Dirty hands inside gloves are a perfect breeding ground for bacteria to replicate.
- Never reuse gloves.







What could happen if I don't do hand hygiene?



https://www.flickr.com/photos/39582141@N06/8436403132/

This is Jen

- Jen came into the hospital for fever of unknown origin.
- Blood cultures showed that Jen has Methicillin resistant Staph Aureus (MRSA) in the blood and no other organisms.
- Alex, Brian, and Jackie have been Jen's primary providers for the past week.
- On day 8 of Jen's stay she spiked another fever.
- Blood cultures showed that she was positive for Carbapenem-resistant Enterobacteriaceae (CRE).
- Brian and Jackie have both cared for a patient with CRE on the same unit that week.
- CRE has a mortality rate of 50% when it gets in the blood.
- Jen died 6 days later.



What could happen if I don't do hand hygiene?



http://phil.cdc.gov/phil/details.asp

This is Adam

- Adam came to the hospital with diarrhea and was placed into enteric isolation.
- Four nurses have been caring for Adam.
 One nurse didn't think that Adam's bowel movements smelled like C. difficile.
- She cared for Adam for 2 days while only using hand sanitizer.
- Adam tested positive for C. difficile.
- That week, the nurse and 4 other patients also tested positive for C. difficile.

What about at home?





https://www.flickr.com/photos/41284017@N08/14923126404/

This is Tim

- Tim is an admissions clerk.
- Tim placed an admission bracelet on a patient's arm as she arrives to the hospital not knowing what she is here for.
- Tim leaves the hospital without washing his hands.
- Tim makes dinner for his teenage daughter and himself that evening.
- Tim and his daughter end up sick later that week.

WHY hand hygiene?



Practice good hand hygiene to protect:

- Your patients
- Yourself
- Your family



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Crucial Conversations and Hand Hygiene

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Crucial Conversations



Watch the video above by clicking on the play button.

Some examples of a crucial conversation phrasing:

"I saw/heard something I don't understand: [fill in the blank with the offensive behavior]. This is not consistent with what I know of you as a professional. Help me understand what was going on."

"You are a valued member of the team [and mention why], which is why I came to you."



The Culture of Safety

If you see something, say something

- We all have the same goal of keeping our patients safe
- Remember it's not personal
- It's the right thing to do
- We all need reminders sometimes
- Your patient appreciates it
- We are all in this together





Patients continue to get harmed





Increases cost of healthcare





Isolation increases





Patient have longer stays at the hospital





More people have distrust in the care they are provided at healthcare systems



What happens if you do practice hand hygiene?

Less people get harmed



What happens if you do practice hand hygiene?

Cost of healthcare drops



What happens if you do practice hand hygiene?

Increase team work We're all in this together!



What happens if you do practice hand hygiene?

Patients go home sooner



What happens if you do practice hand hygiene?

Isolation decreases



What happens if you do practice hand hygiene?

We eliminate HAIs



Healing Hands Start With YOU

You will either be observing hand hygiene compliance and/or could be observed as part of our patient safety program.

It is our professional responsibility to our patients, families and ourselves to perform hand hygiene.

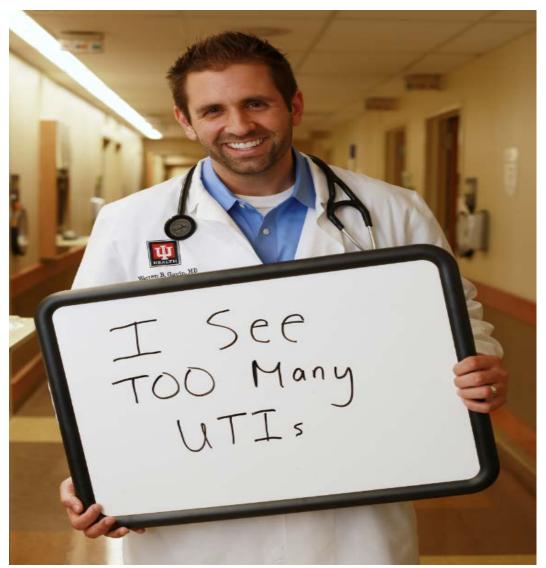
The second module of hand hygiene will be over measurement and the WHO 5 moments



















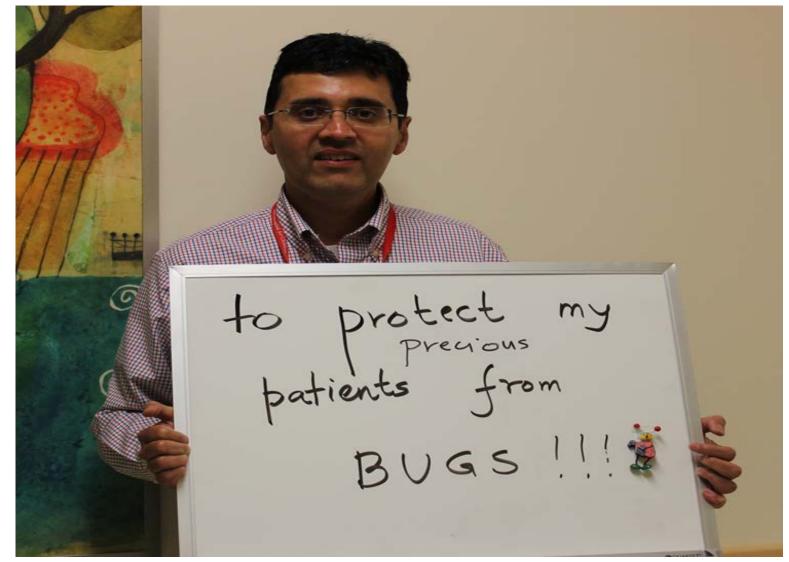


















Healing Hands Start With YOU

Why does Hand Hygiene matter to you?





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How to exit this WBT

In order to exit this WBT and receive credit, you must close the program by:



Click the 'exit' button in the upper right-hand corner.



When the drop-down menu appears, click the 'exit now' button.