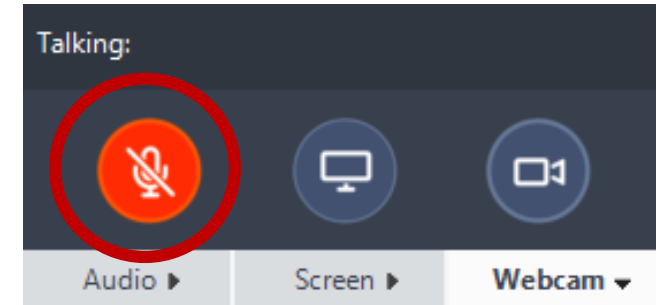


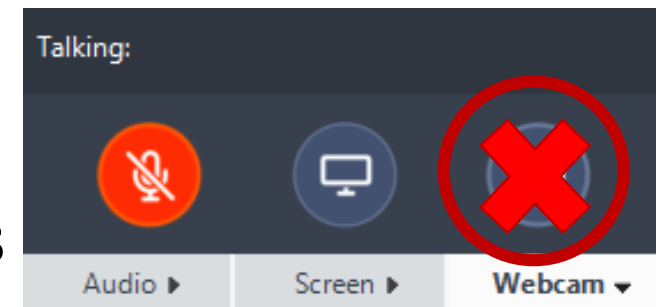
Infection Control in the Office in the Era of Covid-19

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NEQCA Medical Director

Please Mute



No Webcams



Agenda

- State Phase 1 Reopening
- Hand hygiene
- Transmission-based precautions
 - PPE (Personal Protective Equipment)
 - Factors affecting transmission
- Cleaning, disinfection, sterilization

State Phase 1 Reopening

- Requirements apply to ALL health care providers which are not hospitals or community health centers (incl. individual practices), even those who have continued to see patients straight through
- Delivering as much care as possible via telehealth
 - State gives suggested list of things possibly requiring in-person visits, but there is latitude for clinical judgement
- Must have written policies in place and named senior level compliance officer
 - PPE and essential supplies
 - Workforce Safety
 - Patient Safety
 - Infection Control
- Written attestation to the above by the compliance officer displayed in the practice and available to DPH if requested

Hand Hygiene: soap and water vs hand sanitizer

- Generally equally good if done well
- Easier/faster to do hand sanitizer well
- HOWEVER, hand sanitizer does not clean, only disinfects
 - Disinfection doesn't work well on dirty things
- Soap and water cleans AND disinfects
- Two common diarrhea germs for which soap and water is better
 - Norovirus
 - C. diff



潔手技巧

Hand Hygiene Technique

搓手20秒

Rub hands for 20 seconds



衛生防護中心
Centre for Health Protection



衛生防護中心網站
Centre for Health Protection Website
www.chp.gov.hk
政府物流服務署印

衛生署
Department of Health

CONTACT

Impetigo

MRSA

Diarrhea

AIRBORNE

Measles

Varicella

TB

DROPLET

Influenza

Mumps

Pertussis

TRANSMISSION-BASED PRECAUTIONS

STANDARD PRECAUTIONS

HIV and other blood borne

All pts treated as if might transmit

UNIVERSAL DROPLET PRECAUTIONS

Covid-19

All pts treated as if might transmit

Transmission Based Precautions

Contact Precautions

- Hand Hygiene
- Gown
- Gloves

Droplet Precautions

- Hand Hygiene
- Mask
- Gloves

Airborne Precautions

- Hand Hygiene
- Negative pressure room
- N-95 Respirator mask

fpppt.com

<https://www.cdc.gov/hicpac/2007IP/2007IsolationPrecautions.html>

Transmission Based Precautions
By Dr. Rakesh Prasad Sah
Assistant Professor, Microbiology
MGM Institute of Health Sciences,
Navi Mumbai, India

Droplet precautions

- Surgical mask
- Gloves
- Gown only needed for splash/splatter/direct torso-to-torso contact
- Enhanced droplet protection for splash/splatter: + Eye protection

Medical Masks

- Simple facemask (Surgical mask, procedure mask)
 - Highly effective against droplet spread



- N95 respirator
 - Highly effective against airborne (droplet nuclei) spread
 - Requires one-time fitting/fit-testing/training

Factors affecting likelihood of face to face transmission

- Discrete possibilities
 - Environment: Indoors>>outdoors
 - Masking: mask vs no mask
 - Activity: cough, sneeze>singing>loud talking, laughing> talking
- Continuous effects: no threshold
 - Distance
 - Time

Cleaning/disinfection/sterilization

- Is contact a major mechanism of transmission?
 - Varies among different respiratory viruses: RSV>influenza
 - Not clear how big a role it plays for SARS-CoV-2/Covid-19
- Cleaning = removing stuff
- Disinfection = killing some or most germs
- Sterilization = killing all germs
- Disinfection & sterilization don't work well on dirty surfaces

Disinfection and sterilization

- Sterilization: most commonly by wet (steam) or dry heat
- Disinfectants have a variety of active ingredients
 - Alcohol (isopropanol or ethanol)
 - Quats (e.g. benzalkonium, Lysol)
 - Hydrogen peroxide
 - Bleach (sodium hypochlorite)

Disinfection and SARS-CoV-2/Covid-19

- Very sensitive
 - Killed by soaps/detergents, most cleansing agents
 - Killed by heat
 - Killed by any common disinfectant
- EPA has a list of >40 products effective against this virus

Questions?

To Ask A Question

- Please use the “chat” feature to submit your question
- A moderator will then pose your question(s) to the presenters

