

Hygiene for XR

Prepared by [Rob Theriault](#) MET, BHSc., CCP(f)

Immersive Technology Manager (retired)

Author of The Future of Education is Experiential ([U.S.](#), [CDN](#)). Follow @ [Bluesky](#), [LinkedIn](#)

Do not use virtual reality (VR) device:

- If you have any symptoms of illness or any illness that might be transmissible
- If you have any open cuts or sores on the face or hands (non-intact skin).

The head mounted display (HMD) comes in contact with the face and hair of the user and the VR's controllers come in contact with users' hands.

VR use

- Hand hygiene for 20 seconds with alcohol-based (60% or higher) hand sanitizer
- Use OR cap to protect straps (optional)
- VR face cover (optional)
- Retrieve VR headset and controllers from UV-C device*
 - If you do not have a UV-C disinfecting device, wipe down all surfaces of the VR headset and controllers and allow to air dry
 - Use only a disinfectant wipe for lenses that is approved for VR lenses
- If required, wipe down computer, computer keyboard, mouse and cable from computer to VR headset - use non-alcohol based wipes

VR use complete

- Remove headset and place with controllers in the UV-C device for length of time recommended by manufacturer (typically 1-5 minutes)
- Remove head cap and dispose appropriately
- Clean hands with alcohol-based (60% or higher) hand sanitizer x 20 seconds
- Using an approved wipe (non-alcohol), clean the VR cable, the computer keyboard and mouse
- VR lenses should only be cleaned with approved lens cleaner
- Perform hand hygiene again after completion.

* UV-C Devices

[Cleanbox](#), [CoralUV](#), [GlobalVision](#), [UVISAN](#) (review), [Looking Glass](#)

References

Rogers, S. (2020 March 3) Coronavirus: [Practical Hygiene Advice For Virtual Reality Users](#). Retrieved from Forbes Press Team (2020 February 25) [COVID-19 Safety for Virtual & Augmented Reality AIXR Guide](#)

Resources

[VR Vision](#)

[VR Hygiene for Medical Simulation](#)