RECIPIENTS: Managers of the IT Department, DSM, DSP, DQEPE, DEUR, and DST, as well as CSL physicians

SENDER: Dr. Stéphanie Burelle, Chair of the Eco-CMDP of the CISSS de

Laval DATE: April 18, 2024

SUBJECT: **Recommendations for reusing metered-dose inhalers in the respiratory physiology department**

Considering the issues of metered-dose inhaler waste and their large ecological footprint, the infection prevention and control team, in collaboration with the pulmonology department, the respiratory therapy department, and the Eco-CMDP, examined the reuse of metered-dose inhalers in the respiratory physiology clinic.

For patient safety, Infection Prevention and Control (IPC) recommends:

1. The metered-dose inhaler must be administered using a spacer (aerochamber) that contains a valve. This aerochamber must be **dedicated to the user** only.

2. The spacer must be of good quality and the one-way valve must be reliable. The models currently approved by the PCI are:
    - AeroChamber Plus* Z STAT* ©
    - DxChamber VHC ©

   When purchasing a new type of AeroChamber, refer to the PCI for approval.

3. The metered-dose inhaler must be disinfected with a hospital-grade disinfectant wipe before and after use with a patient. It must be disassembled

to facilitate disinfection of both the device and the cylinder. The contact time for the product must be observed, and the device must be allowed to dry completely in the open air.

4. The metered-dose inhaler must be stored in a designated area at the end of the shift.

5. When opening a metered-dose inhaler, the date must be written on it.

References

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