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| **Inhaler without a Spacer or Valved-holding Chamber**  **Things to consider:**   * Attempt to provide the student with as much privacy as possible, given the urgency of the situation   **Needed supplies:**   * Inhaler * Student’s Individualized Health Plan/Asthma Action Plan and/or healthcare provider’s order   **Instructions for inhaler administration without spacer:**   1. Gather needed supplies and place on a clean surface 2. Position student, providing as much privacy as possible 3. Wash hands 4. If student will be administering medication, have student wash hands 5. Check for authorization forms or record. Review the medication administration form, the medical provider form, and the parent/guardian consent form. 6. Check for the albuterol and order to be sure it is”    1. For the right child    2. The right medication    3. The right dose    4. Being given at the correct time    5. Being given by the right route 7. Be sure to check the medication to ensure that it has not expired 8. Make sure the inhaler is free of foreign objects 9. Shake the inhaler for 10 seconds to mix the medicine 10. Remove the cap from the mouthpiece 11. Prime the inhaler if indicated     * When the MDI is brand new or has not been used for a while, the medication may separate from the other ingredients in the canister and the metering chamber. Shaking the MDI will mix the ingredients in the drug reservoir but may not produce enough turbulence to re-blend the ingredients in the metering chamber. Priming, or releasing one or more sprays into the air, ensures your next dose will contain the labeled amount of medication 12. Quickly review the five rights once again while checking the albuterol to be sure it is: 13. For the right child 14. The right medication 15. The right dose 16. Being given at the right time 17. Being given by the right route 18. Hold the inhaler between your index finger and thumb 19. Have the student stand up and take a deep breath in, and breathe out 20. Have the student put the inhaler in their mouth, between their teeth and above their tongue 21. Have the student close their lips around the inhaler 22. Press down on the top of the inhaler once as the student breathes in very slowly until they have taken a full breath 23. Instruct the student to hold their breath for 5 to 10 seconds 24. Instruct the student to breathe out slowly through their mouth 25. Wait 1 minute before having the student take a second puff, if ordered 26. Repeat previous steps if taking a second puff 27. Have student rinse out their mouth with water and spit, as needed 28. Wash hands 29. Document medication administration in student’s medication administration log 30. Follow up, as needed, with parents or guardian and healthcare provider   **Cleaning the inhaler:**   1. Remove the canister from the actuator 2. Run warm water through the top and bottom of plastic actuator (do not boil or place the actuator in the dishwasher) 3. Shake off the excess water 4. Allow the actuator to air dry on a clean surface prior to putting canister back in   **References:**  American Lung Association. (2019). *How to use your inhaler and spacer.* Available at: <https://www.lung.org/getmedia/1a58adde-c10a-4925-bd89-cd5c61767897/how-to-use-your-inhaler-and.pdf.pdf>. Accessed April 14, 2020.  American Lung Association. (2019). *How to use a metered-dose inhaler.* Available at: <https://www.lung.org/getmedia/958e9666-07f9-4c28-a439-223e143f0ecf/how-to-use-a-metered-dose.pdf.pdf>. Accessed April 14, 2020.  American Lung Association. (2020). *How to use a metered dose inhaler* [video]. Available at: <https://www.lung.org/lung-health-diseases/lung-disease-lookup/asthma/patient-resources-and-videos/videos/how-to-use-a-metered-dose-inhaler>  American Lung Association. 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