Did you know that horses get asthma just like people?

Ten-year-old Holly the horse has asthma, which is called “heaves” in horses. Holly will be your tour guide for learning about the respiratory system. You’ll also learn all about asthma and what can be done to prevent some of the signs.

Program and Sponsor

Holly’s Heaves is part of the Fat Dogs & Coughing Horses: Animal Contributions towards a Healthier Citizenry program to develop educational programs for P-12 students, parents, teachers, and the public about the science involved in keeping people healthy.

This program is supported by a Science Education Partnership Award (SEPA) from the Office of Research Infrastructure Programs (ORIP), a component of the National Institutes of Health (NIH). Follow-on support was provided by Trudell Medical International.

NIH . . . Turning Discovery Into Health

Its contents are solely the responsibility of the authors and do not necessarily represent the official views of ORIP or NIH.

Organizers and Content Specialists

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Purdue Veterinary Medicine
Comparative Oncology Team at Purdue Veterinary Medicine
Center for Paralysis Research at Purdue Veterinary Medicine
Discovery Learning Research Center at Purdue University’s Discovery Park

Holly’s Heaves Exhibit
The respiratory system of people and other animals works the same.

The respiratory system brings in oxygen and removes carbon dioxide.

Asthma can affect the respiratory system in people and other animals, making it difficult to breathe.

Asthma cannot be cured, but the signs can be decreased by avoiding triggers and using medications.

Holly’s Heaves includes several stations with interactive elements.

**Introduction:** Holly, a horse with asthma, is your tour guide for learning about the respiratory system.

**Breathing:** Learn how to build a respiratory system. Watch a video to see what happens when a horse breathes.

**Asthma:** Explore asthma in people, horses, and cats. See how difficult it is to pump up lungs when asthma is present.

**Helping People and Animals with Asthma:** Learn how to avoid asthma triggers. See real asthma inhalers for people, horses, and cats!

**Take a quiz to see what you have learned.**

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**Learning Objectives**

- The respiratory system of people and other animals works the same.
- The respiratory system brings in oxygen and removes carbon dioxide.
- Asthma can affect the respiratory system in people and other animals, making it difficult to breathe.
- Asthma cannot be cured, but the signs can be decreased by avoiding triggers and using medications.

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**Exhibit Walk-Through**

**Target Audience:**

3rd through 9th graders and their families

**Availability:**

Holly’s Heaves is available for three-month rental periods.

**Price:**

$3,000 for 3 months plus in-bound shipping. Indiana venues are offered a 50% discount.

**Square Footage:**

250

**Category:**

Health and Science

**Contact:**

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