Study Links Childhood Asthma to Living near Busy Roads

Posted June 23, 2018

Category: Health

Unlocking Word Meanings

Read the following words/expressions found in today's article.

- 1. inhale / in heil / (v) to breathe in
- Example: My doctor instructed me to inhale so she can examine my breathing rate.
- airway / 'er weɪ / (n) the part of the throat where air passes to and from the lungs Example: The patient with blocked airway has breathing difficulties.
- 3. malady / mæl e di / (n) an illness
- Example: My friend still pushed through with her trip despite her malady.
- 4. adjacent / əˈdʒeɪ sənt / (adj) close or near a certain area
- Example: Let's use the meeting room adjacent to the lobby so the others can easily find us.
- 5. **peripheral** / pəˈrɪf ər əl / (adj) describing something that is away from the center of something *Example*: The legs are **peripheral** to the chest.

Article

Read the text below.

A new study found that living near busy roads increases the risk of asthma among children.

Researchers from Beth Israel Deaconess Medical Center and Harvard T.H. Chan School of Public Health analyzed the data of 1,522 children born from 1999 to 2002 in Boston, Massachusetts / mæs.əˈtʃuː.sɪts / . They analyzed information like medical and residential history through the children's mothers who previously participated in a study called Project Viva. This study aimed to learn about the effects of behavioral and environmental factors on children's health.

Using mapping technologies, the researchers calculated the distance between the children's houses and the nearest busy road, as well as pollution levels in their area of residence.

汚染レベルと同じくらいに

Apart from asthma, **maladies** like heart diseases and dementia—a condition associated with memory loss—have also been linked to living **adjacent** to busy roads. Previous studies found that high blood pressure and **peripheral** artery disease, or the tightening of 心臓病や痴呆症の様な病気(malady: 重めな病気、弊害 dementia: 痴呆 heart disease: 心臓病) 記憶障害に関連づく (associate with: ~に関連づく) ~の近際に住む事が関連付られた(adjacent: 近際、隣接) 高血圧や動脈周辺の病気(peripheral: ~の周辺 artery: 動脈) arteries in body parts like legs and the stomach, are common among those living near busy roads. On the other hand, factors such as traffic and noise were found to contribute to the increasing rates of dementia.

Viewpoint Discussion

動脈の収縮(tighten:縮まる、収縮する)

Enjoy a discussion with your tutor.

Discussion A

• Aside from those mentioned in the article, what do you think are the other dangers associated with living near busy roads? Discuss.

• Do you think that adults who live near busy roads should also be tested for asthma? Explain.	
Discussion P	
Discussion B	
What do you think people can do to avoid illnesses caused by pollution?	
• Do you think that avoiding the effects of pollution alone will greatly help in preventing illnesses? Explain.	
Category : Health	
	このページを印刷