

World's first human case of rat disease found in Hong Kong

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A Hong Kong man has developed the world's first ever human case of the rat version of the hepatitis E virus, according to new research from one of the city's leading universities.

There had previously been no evidence the disease could jump from [rats](#) to humans, the University of Hong Kong said Friday, warning the discovery had "major public health significance".

"This study conclusively proves for the first time in the world that rat HEV can infect humans to cause clinical infection," the university added.

Rat [hepatitis](#) E virus is very distantly related to human hepatitis E virus variants, HKU said.

The disease was found in a 56-year-old man who persistently produced abnormal [liver](#) function tests following a liver transplant.

He could have contracted the illness through food infected by rat droppings, researchers said, according to details of the findings reported in the

South China Morning Post.

The man lived in a housing estate where there were signs of rat infestation outside his home. He is now recovering after being treated for the [virus](#), the SCMP added.

The human version of hepatitis E is a liver disease that affects 20 million people globally each year, according to the World Health Organisation.

It is usually spread through contaminated drinking water.

Symptoms include fever, vomiting and jaundice, and in rare cases liver failure.

Rodent problems in Hong Kong have escalated in recent months because of a sustained spell of hot and humid weather.

Hong Kong has been hit hard by disease outbreaks in the past.

In 2003, almost 300 people died from SARS—severe acute respiratory syndrome.

The bubonic plague, carried by rats, swept through mainland China and Hong Kong in the late 19th century killing thousands.

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