

# Influenza and the common cold – two different diseases

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There is a lack of information about the difference between influenza and the common cold. Most people struggle to distinguish between these two conditions, and this often leads to irritation and the perpetuation of myths. Similar misconceptions were found in all three countries. This was the finding from a recent international study conducted in Belgium, Croatia and Austria under the supervision of Kathryn Hoffmann from MedUni Vienna's Division of General and Family Medicine.

"Influenza and the [common cold](#) are completely different things," says Kathryn Hoffmann. "The clearly delineated [influenza viruses](#) cause a potentially serious illness. The common cold, on the other hand, is caused by hundreds of different infectious viruses. In the vast majority of cases, the progression and symptoms of the illness are much more benign." She adds: "Contrary to [popular belief](#), the common cold can never turn into real flu."

It is easy to distinguish between the two diseases, particularly in the early stages. Whereas influenza comes on suddenly with limb pain and fever in people who, a few hours earlier, felt absolutely fine, a common cold usually starts with a [sore throat](#), a blocked nose and a cough and comes on more gradually. Body temperature rises much more gradually.

Hoffmann says, "However, our study shows that, if fever is one of the symptoms, people immediately think of 'real' flu." This is also the reason why many people who have been vaccinated against flu and still develop fever and flu-like symptoms, believe that the vaccine doesn't work.

"They become sceptical of vaccinations, even though they are only suffering from a common cold – which, unfortunately you can still get, even though you have had the flu jab," explains the MedUni Vienna expert.

It is therefore always advisable to be vaccinated against [seasonal influenza](#), which, in serious cases, can prove lethal. A study carried out for the Vienna region in 2013, under the supervision of Theresia Popow-Kraupp from MedUni Vienna's Center for Virology, revealed that in Vienna alone, around 300 people die during a seasonal flu outbreak as a consequence of the illness, which can often last two or three weeks.

However, even though one can protect oneself from [influenza](#) by having the vaccination (the relevant seasonal vaccine is between 60 to 95 percent reliable), one has no protection against infectious common cold viruses. Hoffmann explains: "At some point the viral threshold that our immune system can withstand is exceeded and then we develop a cold. However, we can raise this threshold by healthy lifestyle habits that strengthen the [immune system](#) or by scrupulous hand hygiene."

Even the term "cold" is not really accurate – it is not yet clear whether one is more likely to succumb to a [virus](#), if one gets cold. Whatever the case, the critical factor is contact with the viral pathogens.

However, – in contrast to "real" flu – people usually recover from a common cold in about five days, so long as they rest and look after themselves.

**More information:** Elisabeth Anne-Sophie Mayrhofer et al. "With fever it's the real flu I would say": laypersons' perception of common cold and influenza and their differences - a qualitative study in Austria, Belgium and Croatia, *BMC Infectious Diseases* (2018). [DOI: 10.1186/s12879-018-3568-9](https://doi.org/10.1186/s12879-018-3568-9)

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