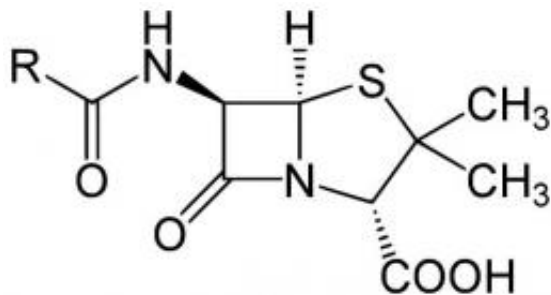


# Think you are allergic to penicillin? There is a 90 per cent chance you may not be anymore

December 2 2019

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Penicillin, the first natural antibiotic discovered by Alexander Fleming in 1928

Over 90% of people recorded as having a penicillin allergy may not actually be allergic. Experts Misha Devchand and Dr. Jason Trubiano from Austin Health in Melbourne review the new Australian guidelines on antibiotics in the latest edition of *Australian Prescriber*. These recommend checking if the penicillin allergy is real.

If someone is incorrectly thought to be allergic to penicillin, they are likely to be treated with a [broad-spectrum antibiotic](#) that may be less appropriate. The large number of people unnecessarily taking these antibiotics could contribute to the global problem of antibiotic resistance.

If people with a recorded penicillin allergy are given alternative antibiotics that are not the first-line treatment for their infection, this can

result in longer hospital stays, and higher rates of hospital readmission, [surgical site infections](#) and admissions to intensive care units.

"Not only may most penicillin allergies recorded be inaccurate, but many penicillin allergies wane over time," says Ms Devchand.

"Half of people allergic to penicillin will lose their allergy over five years, and 80% over 10 years.

"If you think that you are allergic to penicillin, it may be a good idea to have your allergy reassessed. Maybe you can be 'de-labelled' – that is, having the allergy removed from your health record," she says.

The article explains how a potential [penicillin allergy](#) is assessed. For example, feeling sick while taking an antibiotic is probably not a true allergy.

"Your doctor may ask for details of the reaction, how it was managed and whether you needed to be taken to hospital.

For people who have a true allergy, the article considers which [antibiotics](#) may also be unsuitable.

"It is also important to know the timing of the allergic reaction. Was it within hours of taking penicillin or a few days later?"

**More information:** Misha Devchand et al. Penicillin allergy: a practical approach to assessment and prescribing, *Australian Prescriber* (2019). [DOI: 10.18773/austprescr.2019.065](https://doi.org/10.18773/austprescr.2019.065)

Provided by University of Melbourne

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