



## Study on Adverse Effects and Side Effects of Using Drugs

Xiaodong Wang\*

Department of Pharmacology, University of Medicine and Technology, Dalian, China

### DESCRIPTION

Adverse events are unintended pharmacological effects that occur when the drug is administered correctly, and side effects are secondary side effects that occur as a result of drug therapy.

It is a common misconception that adverse events and side effects are the same. In fact, we've seen these two words used interchangeably, even though they have different meanings. This may not be noticed by many medical professionals. The following details each to help both medical professionals and patients distinguish between adverse events and side effects.

Adverse events are undocumented therapeutic/pharmacological events that represent unexpected or dangerous reactions to drugs. These types of events are specific to doses, patients and possible interactions and are usually not investigated during drug development. Adverse events are completely unpredictable and occur much less often than side effects.

Unfortunately, there is no way to know if a patient will experience adverse drug events, tell to the doctor and pharmacist as soon as possible to track the event and reduce the chance of it getting worse. The most common way to stop this type of event is to stop the drug that caused it.

Side effects are the effects of drugs, chemicals, or other drugs that occur in addition to the intended effect. This effect can be harmful or beneficial, but side effects are generally considered to be harmful or harmful. For example, metformin used to treat diabetes can cause side effects such as muscle aches, dizziness, confusion and increased hunger. However, some medicines also have therapeutic effects. For example, carbamazepine, an approved treatment for manic-depressive illness, has side effects that help treat symptoms such as schizophrenia and neuromuscular tone. Medicines can also have harmful and

beneficial side effects. Side effects may vary from person to person, depending on factors such as age, weight, gender and general health.

Generally, these side effects are controlled by the person prescribing the drug. Most of the medicines we take have side effects and many people don't pay much attention to them, but these side effects are generally listed on the medicine packaging. Therefore, side effects are known and expected side effects of a drug or chemical. These effects are not generally known, but are known to the medical community and related pharmaceutical companies.

Another important feature of side effects is that they are mild in nature and resolve spontaneously compared to side effects.

### CONCLUSION

Adverse events, unlike side effects, are never desired. Adverse events require intervention, but most side effects resolve spontaneously over time. The two words are mistakenly used interchangeably, but they have two different meanings. This may seem common sense to some, but misusing these two words seems to be a common mistake in healthcare.

Knowing the right information is essential not only to preserve general knowledge, but also to explain the differences to the patient during the examination. This shows that mild stomach upset caused by the drug is just a side effect and disappears over time. This is normal and the patient should not think too much about this issue. In most cases, patients will experience adverse events such as anaphylaxis and should be urged to see a doctor immediately. This is just one example of why it is important for patients, not just healthcare providers, to recognize the difference between the two terms.

**Correspondence to:** Xiaodong Wang, Department of Medicine, University of Technology, Dalian, China, E-mail: wangxiaodong@dlut.cn

**Received:** 07-Feb-2022, Manuscript No. JP-22-16269; **Editor assigned:** 10-Feb-2022, PreQC No. JP-22-16269 (PQ); **Reviewed:** 24-Feb-2022, QC No. JP-22-16269; **Revised:** 03-Mar-2022, Manuscript No. JP-22-16269 (R); **Published:** 10-Mar-2022, DOI: 10.35248/2329-6887, 22.10.362.

**Citation:** Wang X (2022) Study on Adverse Effects and Side Effects of Using Drugs. J Pharmacovigil. 10:362.

**Copyright:** © 2022 Wang X. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.