Drug interactions occur when one drug alters the pharmacological effect of another drug, which might cause increasing or decreasing the pharmacological effect or the appearance of one or both drugs. Drug interactions may interfere with pharmacokinetics such as absorption, distribution, metabolism and excretion. Even though drug interactions can cause many side effects, it is also important to point out that there are a number of therapeutically beneficial drug interactions, for example, Cancer chemotherapeutic agents are often given in combination to potentiate their effects.
Cold and flu both are highly contagious and caused by upper respiratory viral infection. Breathing droplets of the contaminated air when someone coughs or sneezes can catch it. The main differences between them:

- Flu is associated with high fever, dry throat and nose, muscle pain, and severe exhaustion. While cold results in a runny nose, mild fever and exhaustion.
- Flu can lead to pneumonia, so it is more serious than a cold.
- Paracetamol can be used for flu to manage aches, pain, and fever. Also, it is given for fever in cold.
- Antiviral medications are given early for the flu while it is not prescribed for cold.

However, warm drinks, drinking lots of fluids, and lozenges to soothe sore throats are useful for both flu and cold.

**What is Attention Deficient Hyperactivity Disorder?**

ADHD is the most commonly diagnosed mental disorder of children. Children with ADHD may be hyperactive and unable to control their impulsive behaviors. Or they may have trouble paying attention. These behaviors could interfere with school and home life.

Common symptoms include: struggles to follow directions, easily distracted, seems to be not listening and daydreaming.

**Is it Cold or Flu?**

**Brand drug and Generic drug What is the difference?**

Generic drugs do not have the same costs as brand drugs and considered as low cost version of brand drugs. However, they are produced by generic companies once parents expire on brand drug. They are as safe and effective as brand drugs. In addition, there is no national price regulation for generic drugs. The price includes manufacturing cost and rebate paid to pharmacies to stock their drugs.