



# Signal detection and risk management

[Signal detection and risk management](#) are crucial components of **pharmacovigilance**, ensuring drug safety and minimizing adverse effects. **Signal detection** involves identifying potential safety concerns from various data sources, including **clinical trials, post-marketing surveillance, and adverse event reports**. Once a signal is detected, **risk management** strategies are implemented to assess, mitigate, and communicate potential risks. This process helps regulatory authorities and pharmaceutical companies **enhance drug safety, protect public health, and ensure regulatory compliance** through continuous monitoring and proactive measures.