

On shapes of ADR report accumulation data for banned drugs

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Abstract

ADRs (Adverse Drug Reactions) are a matter of great concern in drug research. This work focuses on drugs which have been banned or withdrawn, due to serious problem of adverse reactions. Our attempt is to develop insights through plotting of data on cumulative counts of ADR reports. These data have been sourced from www.vigiaccess.org. Our expectation is that once a drug is banned/withdrawn, its count of ADR reports should fall precipitously and remain there. Instead a variety of

shapes is encountered. These include linear, exponential and sigmoidal. We suggest that these curves can be useful in comparing safety of drugs.

Keywords: Withdrawn drugs, side effects, curve fitting.