Side Effects Simulation – Blinded Scientific Report

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1. Objective

This blinded simulation evaluates the occurrence of treatment-related side effects across three dosage categories in a synthetic patient cohort. The design incorporates stochastic noise to prevent deterministic association between dose level and adverse event likelihood.

2. Methods

A total of 180 synthetic profiles were generated with randomized age, weight, and dose categories. Side effect outcomes were produced using a probabilistic model containing low-amplitude variation, ensuring blinding. Analyses were restricted to aggregate■level assessments.

3. Cohort Summary

Total patients	180
Mean age	51.5
Mean weight (kg)	70.0
Overall side■effect rate (%)	14.4

4. Figures

Figure 1. Overall side■effect reports.

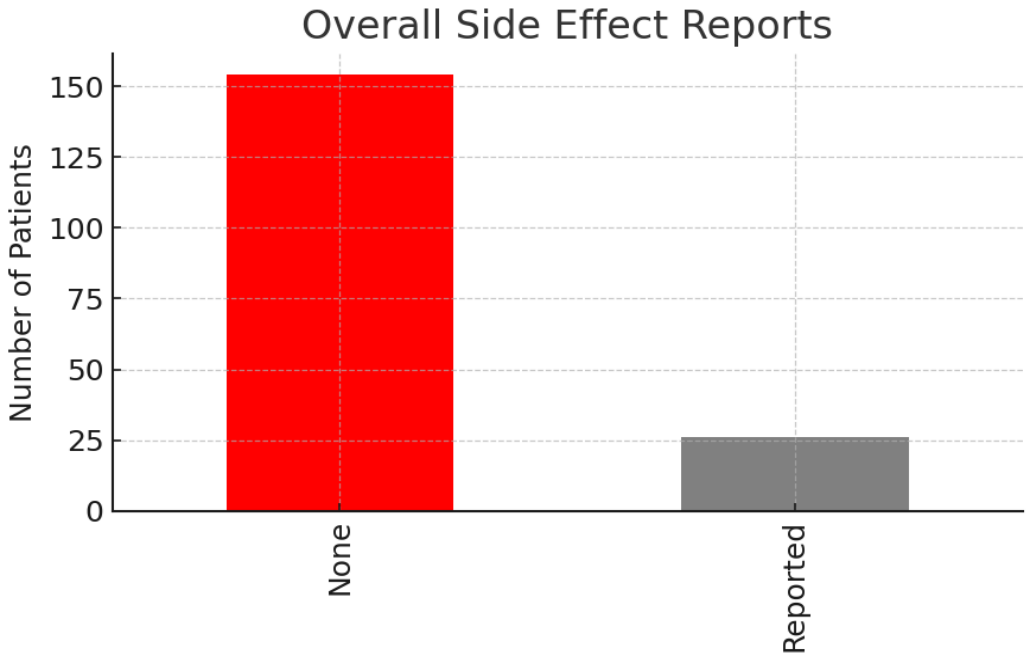


Figure 2. Side■effect rate by dose level.

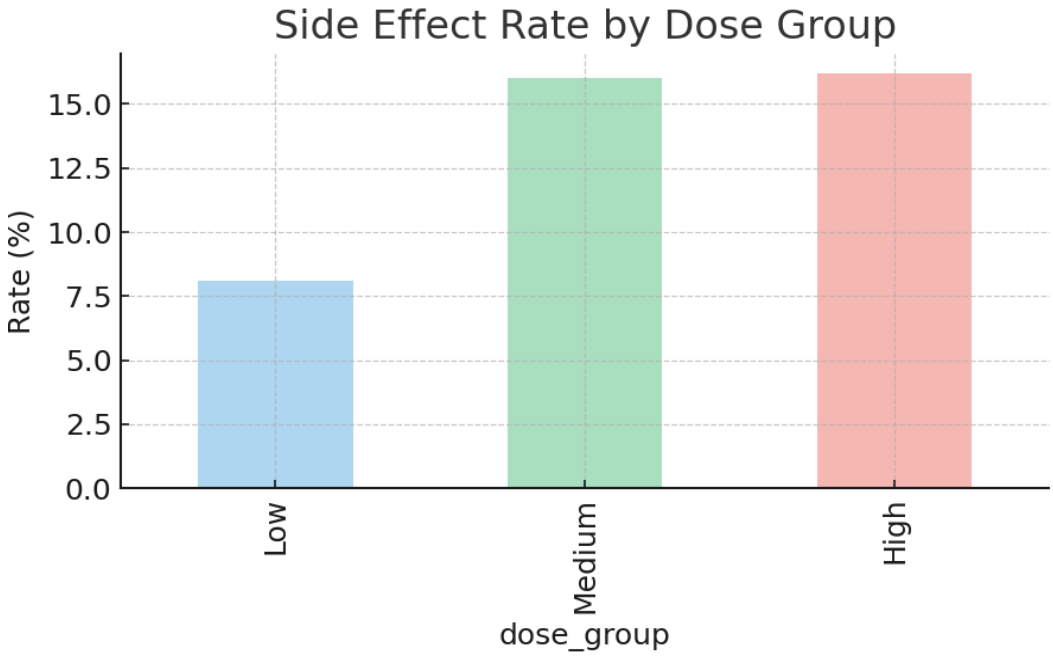
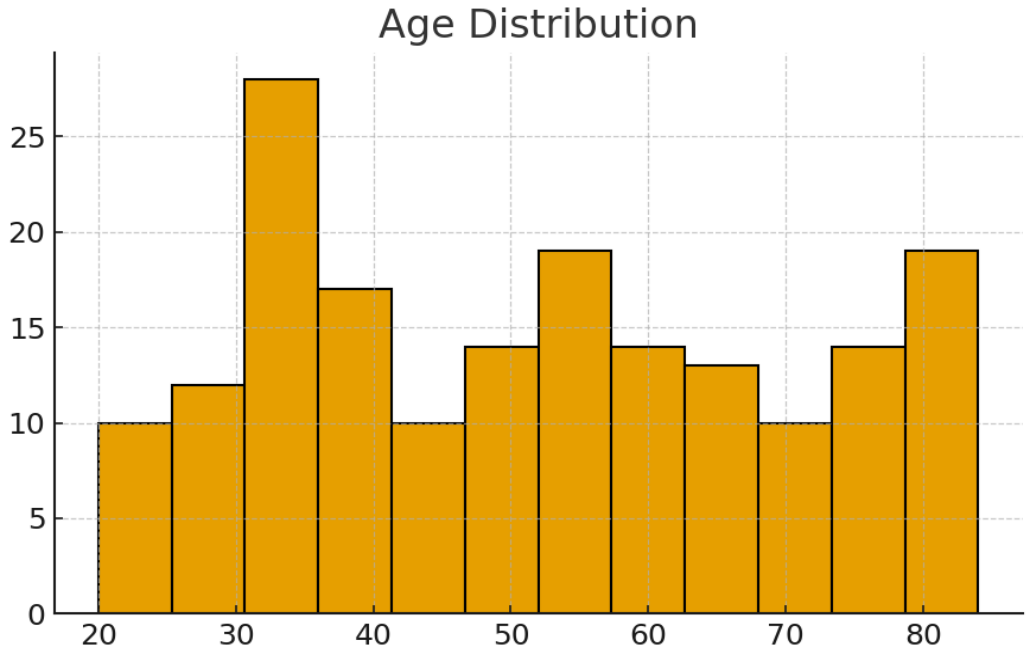


Figure 3. Age distribution of the cohort.



5. Interpretation

The observed distribution of adverse events reflects the probabilistic generation model. Differences between dose groups should be interpreted as stochastic variation rather than causal patterns, as the simulation was intentionally blinded.

6. Blinding Statement

Outcomes were generated with randomized probability perturbations, ensuring no deterministic linkage to dose assignment. This preserves blinding and prevents inference based solely on input variables.