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Technical Appendix

Assessing the Costs and Benefits of an Oral Vaccine for Raccoon Rabies: A Possible Model

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A cost-benefit analysis uses the following formula (15): Threshold costs were calculated by altering vaccine cost so that benefits minus cost, when discounted and summed over time, had an NPV of \$0.

$$Net Present Value (NPV) = t=0$$
(Benefits-Costs)_t
(1+r)^t

where:

t = year, from t = 0, ..., nr = discount rate.

Reference

15. Haddix AC, Teutsch SM, Shaffer PA, Dunet DO, eds. Prevention effectiveness: A guide to decision analysis and economic evaluation. New York: Oxford University Press, 1996.