

# Decision Support for Surveillance Planning

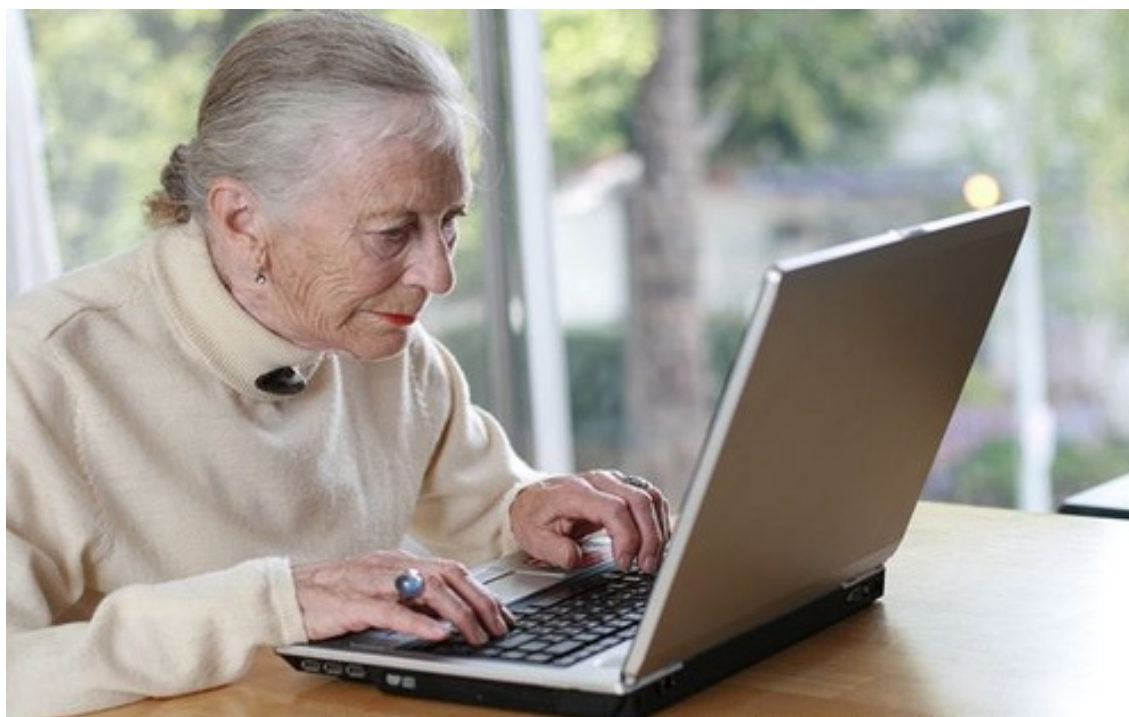


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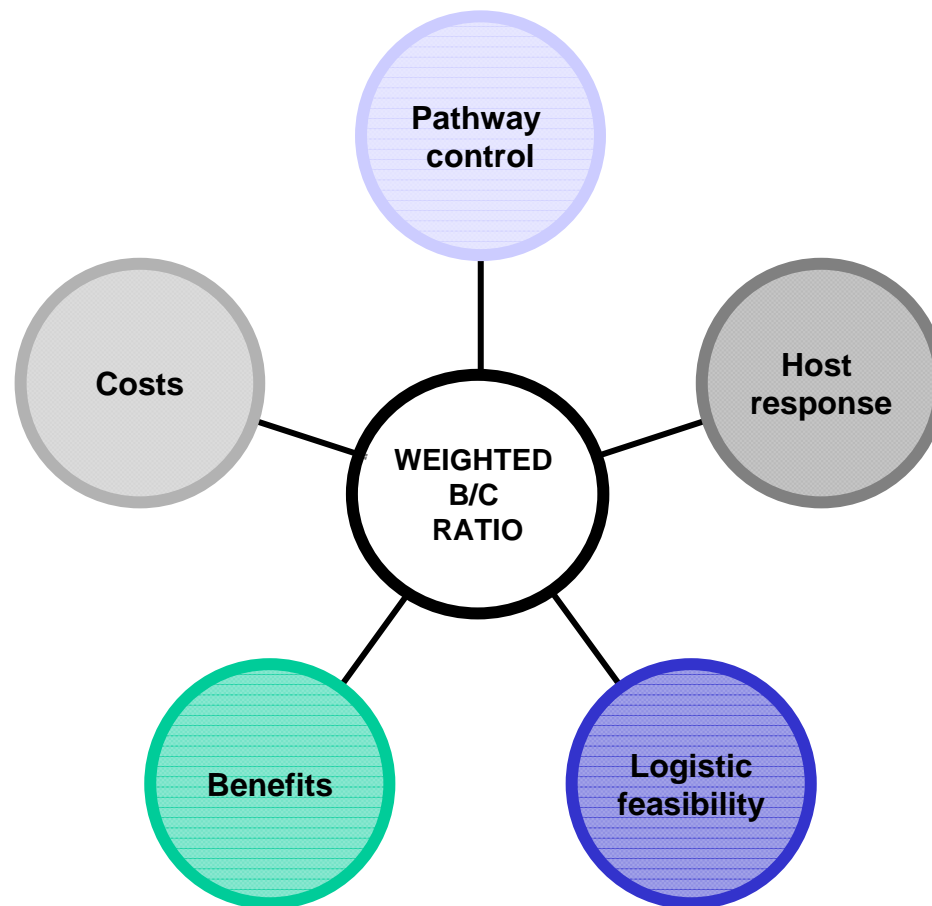
# Emphasis on rapid, cost-effective clairvoyance



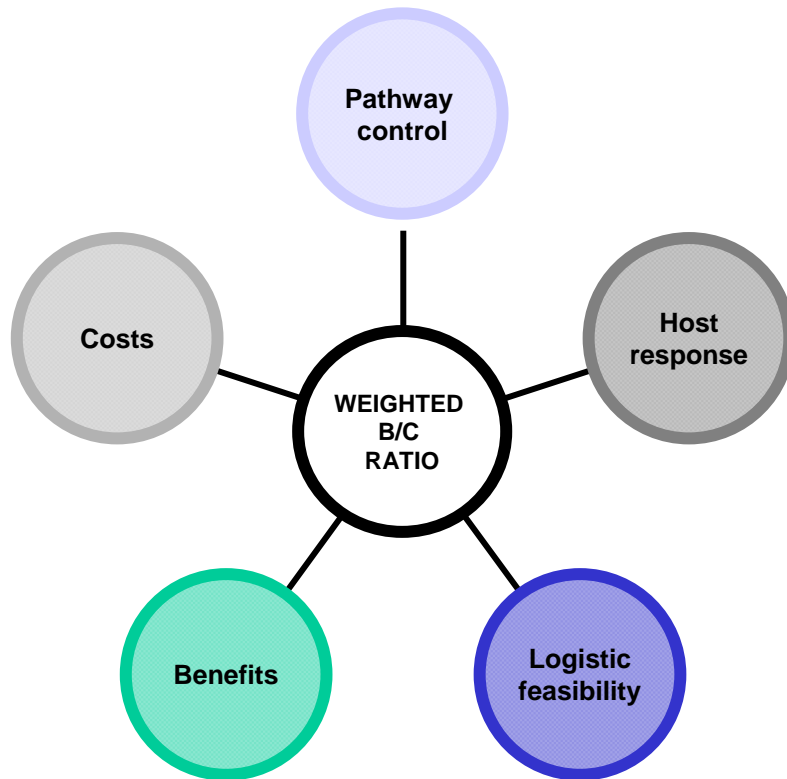
# Experts are critical when decisions require cost-efficient or rapid response



# Tool for Assessment of Intervention Options

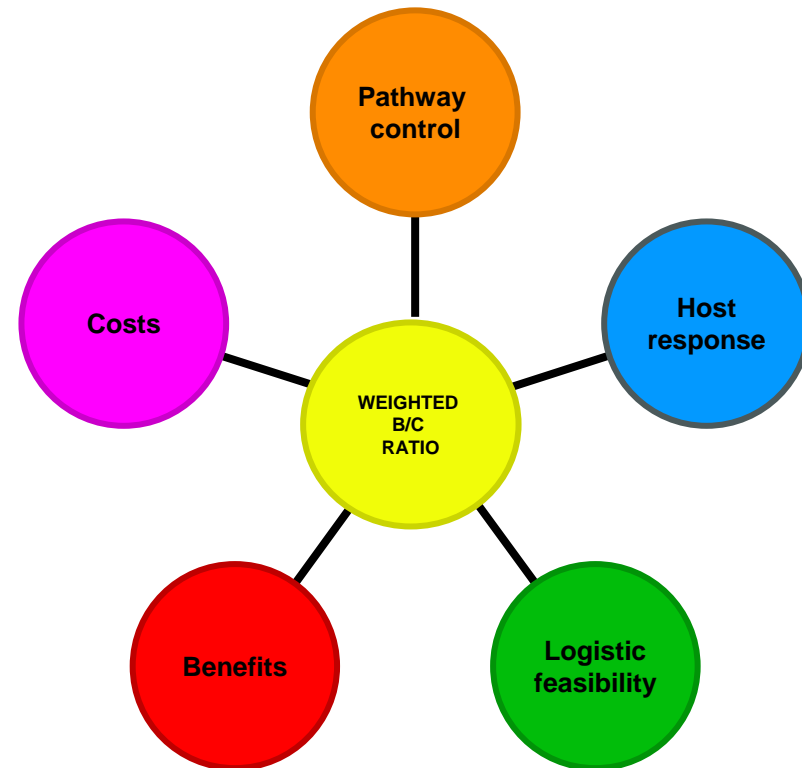


# Used to compare options



Complete the CEM  
epi investigation

**VS**  
Veterinary Services



Not complete CEM  
epi investigation

# But, opinion is subjective

Subject to biases, moods, context, panel membership and blood glucose levels



# Avoid biases in elicitation

- Anchoring (adjustment)
  - The power of suggestion
- Recall (availability)
  - The subjective probability of an event is tied to the ease with which examples come to mind
- Conditioning (representativeness)
  - Conditional probabilities may be misunderstood



# More than one opinion?

- Group techniques use estimate-discuss-revise principal
- Final estimate reflects either
  - consensus about a central value
  - weighted average based on expertise
  - distribution from all responses



# Validate the model: Impact of intervention over time

