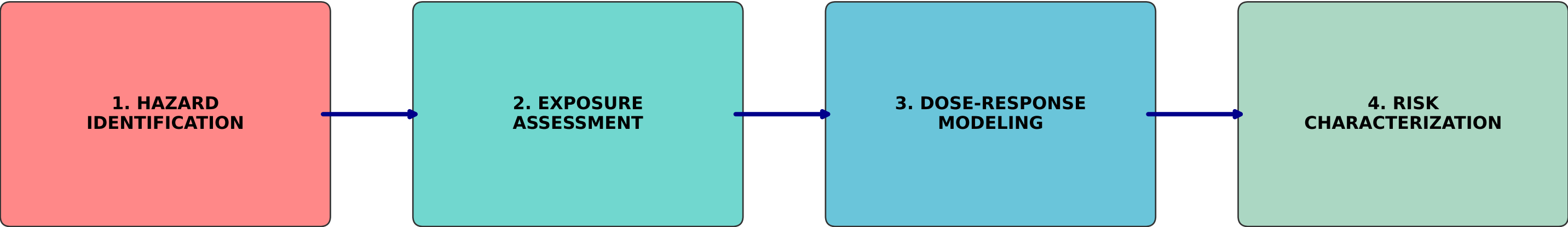


# QMRA Framework - The 4-Step Process



- Pathogen selection
- Literature review
- Dose-response data
- Environmental survival

- Exposure routes
- Concentrations
- Contact frequency
- Population at risk

- Mathematical models
  - Beta-Poisson
  - Exponential
- Probability calculation

- Risk calculation
- Uncertainty analysis
- Population impact
- Regulatory compliance