

US EPA ARCHIVE DOCUMENT

## Questions for September, 2000 Scientific Advisory Panel Meeting on LifeLine™

Questions related to model design:

1. Does the framework of LifeLine™ provide the appropriate definitions (temporal, spatial and demographic) on which to overlay exposure details? And does the model's outputs allow sufficient flexibility for understanding the exposure/risk profiles?
2. Does LifeLine™ provide the necessary elements of analysis for performing aggregate and cumulative risk assessments? And for delineating age-related exposure opportunities and risk?

Questions related to Case study using LifeLine™

3. Age-related exposure profiles are vital components of a risk assessment. The periods of high exposure and the contributors to that exposure are necessary elements of a risk assessment model. Does the panel agree that the demonstration case is a reasonable scenario and that children's exposures can be higher than adults' due to higher dietary intake on a weight basis and higher frequency of hand to mouth exposure events?
4. Understanding the source and route of exposure are key elements to aggregate and cumulative exposure assessments. Does the case study demonstrate that when sources of pesticides are independent, aggregate exposure can tend to be dominated by a single route of exposure at given periods of time?
5. Does the panel agree that this paper demonstrates that probabilistic models using existing data can characterize both cumulative and aggregate exposure to pesticides? And that the LifeLine™ model can be used to identify the critical sources of exposure and the influence of factors such as age and season?