

Berkson Error Adjustment in some Retrospective Cohort Studies

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Abstract: In this presentation, I will be sharing my research on adjusting for Berkson errors in certain exposure models when using different statistical methods. The work also offers valuable insights for refining assessments of occupational exposure and understanding the relationship between EMF exposure and brain cancer risk. The analysis of various surrogates and Berkson error adjustments highlights the challenges in selecting the most suitable surrogate. Interestingly, the findings suggest no clear connection between lifetime exposure to extremely low-frequency magnetic fields and increased risk of brain cancer, in line with recent epidemiological findings.