

**Title:** The Lifecourse of Esophageal Cancer Patients Traced By Means of the Lifegrid

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**Abstract:**

**Background:**

The absence of prospective longitudinal studies for certain health outcomes creates the need to collect accurate information retrospectively. In an attempt to minimize recall bias and to better understand the deeper rooted issues involved in the risk factors for esophageal cancer, the adoption of the lifegrid accompanied by supplementary tools was implemented. The objective was to provide a more comprehensive and context-sensitive perspective to the study of the living and working environments of esophageal cancer patients across the lifecourse.

**Methods:**

A sample of 46 esophageal cancer patients were recruited from participating London and Toronto hospitals. This study involved the completion of face-to-face interviews guided by a semi-structured questionnaire, a lifegrid, occupational and residential summary boxes, residential pictures and occupational risk maps, and reference to other supplementary information and sources of evidence.

**Findings:**

The utilization of the life grid allowed for a holistic interpretation of the data allowing for a visual analysis of various factors at play across the lifecourse. The use of the lifegrid retained the temporal ordering of the lifecourse, made it easy to identify and probe for transitions and trajectories, and allowed for various links across factors to be made during data collection. Nevertheless, its use also produced a number of challenges such as lengthy interviews, event-centered data, and the inability to pinpoint specific *unknown* exposures. However, these limitations could be overcome by conducting multiple, short interviews, making modifications after pilot interviews, incorporating supplementary tools, and referencing sources of evidence.

**Conclusions:**

The lifegrid aids in stimulating recall in a factual fashion. The versatility of the lifegrid allows it to be easily modified based on different population groups and research objectives. With the integration of other supplementary tools, the adoption of the lifegrid is recommended as a methodological tool to guide other research pertaining to lifecourse studies.

**Acknowledgement:** This research was supported by the Canadian Institutes of Health Research (CIHR): Canada Graduate Scholarship Doctoral Award and the McConnell Family Foundation.

This research was made possible because of collaboration with Dr. Richard Malthaner, Dr. Richard Inculet, Dr. Dalilah Fortin, Dr. Christopher Compeau, Dr. Yaron Shargall, Dr. Charles Trick, and the staff of St. Joseph's Health Centre and the London Health Sciences Centre as well as my supervisory committee: Dr. John Howard, Dr. Martin Bunch, and Dr. S. Harris Ali.

**Keywords:** esophageal cancer, lifegrid, living and working environments, lifecourse

