

Dietary Heat-Treatment Contaminants Exposure and Cancer: A Case Study from Türkiye

Hilal Pekmezci ^{1*} and Burhan Basaran²

¹Department of Elderly Care, Health Care Services Vocational School, Recep Tayyip Erdogan University, Rize, Türkiye.
hilal.pekmezci@erdogan.edu.tr ORCID ID: 0000-0003-2157-4014

²Department of Nutrition and Dietetics, Faculty of Health Recep Tayyip Erdogan University, Rize, Türkiye.
burhan.basaran@erdogan.edu.tr, ORCID ID: 0000-0001-6506-6113

* Correspondence: hilal.pekmezci@erdogan.edu.tr

Supplementary Table 1. Definition of dependent and independent variables (Regression analysis).

| Dependent variables | | | | | |
|-----------------------|--|--|---|-----------------------------------|------------------------------|
| Models | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| | Other (0) | Other (0) | Other (0) | Other (0) | Other (0) |
| Types of cancer | Cancers in the respiratory system (1) | Cancers in the reproductive system (1) | Cancers in the gastrointestinal tract (1) | Cancers in the urinary system (1) | Cancers in other systems (1) |
| Independent variables | | | | | |
| | A. Total (Food groups) | | | Meat (red) | |
| | B. Consumption frequency (Food groups) | | | Meat (white) | |
| | C. Portion amount (Food groups) | | | Meat (fish) | |
| | D. Cooking method (Food groups) | | | French fries | |
| | E. Consumption mode (Food groups) | | | Bread | |
| | | | | Coffee (instant) | |
| | F. Frequency of consumption (Total), Portion amount (Total), Cooking method n (Total), Consumption mode (Total) | | | Coffee (ready to drink) | |
| | | | | Coffee (Turkish coffee) | |
| | | | | Black tea | |

^a Reproductive system cancer types=Breast, uterus, ovary. ^b Gastrointestinal system cancer types=esophagus, stomach, colorectum, pancreas, liver. ^c Urinary system cancer types=Prostate, bladder, kidney. ^d Respiratory cancer types=Lung, larynx, oral cavity/pharyngeal. ^e Other system cancer types= Brain, thyroid, lymphatic malignancies, skin, oro and hypopharynx, hematology.