

マーケットバスケット方式による成人の食品添加物一日摂取量の推定  
(2011-2013 年度)

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Estimation of daily intakes of food additives using market basket method in adults  
(2011-2013)

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## Abstract

Daily intakes of food additives such as sweeteners, preservatives, colors, and food manufacturing agents in adults (over 20 years old) in Japan were estimated using the market basket method for 2011-2013. A list of daily consumption of processed foods used for the estimation was prepared based on the special Japanese national survey study conducted in 2011. The food additives with high daily intake were estimated to be orthophosphoric acid (250 mg/day as phosphorus), condensed phosphoric acid (15.2 mg/day as phosphorus), and propylene glycol (14.1 mg/day).

The estimated daily intakes of the food additives were compared with their acceptable daily intake (ADI) or maximum tolerable daily intake (MTDI) assessed by international risk assessment meetings or the Food Safety Commission of Japan. The ratios of the estimated daily intakes to ADI for sweeteners, preservatives, colors, antioxidants, fungicides, and propylene glycol were 0-4.9%. The ratio of the estimated daily intake to MTDI for phosphorus compounds (orthophosphoric acid and condensed phosphoric acid) was 6.9%.

**Keywords :** マーケットバスケット方式、食品添加物、一日摂取量、一日摂取許容量 (ADI)、最大耐容一日摂取量 (MTDI)

market basket method, food additives, daily intake, acceptable daily intake (ADI), maximum tolerable daily intake (MTDI)