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## Fruit consumption and production: habits, preferences and attitudes of rural households in Western Kenya

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## Introduction

Currently, fruit consumption in Eastern Africa is far below the recommended daily amount (RDA) ${ }^{1}(400 \mathrm{~g}$ of fruits and vegetables per person and day ${ }^{2}$ ) and has implications for micronutrient malnutrition while little is known about the patterns and determinants of fruit production, consumption and marketing.
This study, therefore, collected data about key trends in genderdisaggregated preferences, attitudes and decision-making processes of rural households for fruit consumption, production, and income generated from this activity.

## Methodology

- A cross-sectional survey was conducted with 370 households in July/August 2013 in five different agro-ecological zones (AEZ) along a transect of humidity in Western Kenya.
Households were sampled randomly from household lists in 15 villages distributed evenly across the AEZ.
- Individual interviews were conducted with the women responsible for food and nutrition in the household. Semi-structured questionnaires were used to assess household socio-demographic characteristics and attitudes towards fruit consumption. Fruit intake and general food intake was surveyed using quantitative 24 hour recalls.
- A household wealth indicator $(\text { WI })^{2}$ with a high score meaning high wealth was calculated.


## Results - consumption

- The number of times fruits were consumed per week differed significantly between women, their husbands and children (Friedman test; $\mathrm{P}<0.001$ ) with the women consuming fruits less often (Figure 1). All household members, especially children, would like to consume more fruits (Figure 2). - The number of times the respondent consumed fruits per week was significantly negatively correlated with her age (tau $=-0.145 ; \mathrm{P}<0.001$ ) and slightly positively with the household's wealth index (tau $=0.087 ; \mathrm{P}=0.030$ ). Daily fruit consumption during the last 4 weeks was low (Figure 3).

Fruit consumption per week


## female respondent.

Would you like to eat more fruits?

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