

Assessing Ugandan pork butchers' practices and their perception of customers' preferences: A best-worst approach

Introduction

Food-borne diseases are a major concern of developing countries. Among the drivers, rapidly increasing pork consumption deserves increased attention. Yet there is little documentation in Uganda on the context in which pork is produced, marketed and consumed and the implications this may have on public health. This study attempts to assess the current knowledge, attitudes and practices and looks more into butchers' beliefs about customer preferences by using best-worst (BW) method, which is a special form of a discrete choice experiment.



Picture 1. Pork butchery from outside



Picture 2. Pork butchery from inside



Picture 3. Typical pork meat dish



Picture 4. Fly on pork (*Sarcophaga* sp.)

Material and Methods

Sixty pork butcheries out of 179 mapped in Kampala were randomly selected (Figure 1). In July 2014 on-site observations were undertaken and butchers were interviewed what they think is the most and the least important attributes to their clients when buying pork meat (Figure 2). Best-worst method with a set of previously identified thirteen attributes was used.

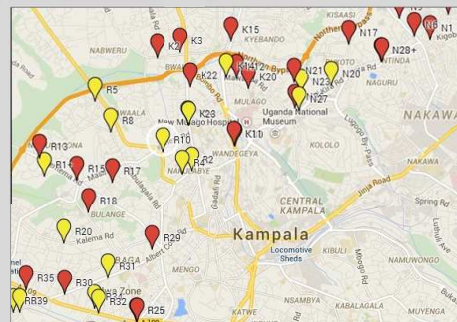


Figure 1. Study area with sampled pork butcheries

Results

Half of the pork purchased by the butchers came from pigs slaughtered in backyards or non-gazetted abattoirs. Raw pork accounted for half of the total pork sold by pork butcheries. The other half was served as cooked pork and usually consumed on-site accompanied by raw vegetables. The majority of butchers use a wooden stump as a cutting surface. Pest animals are present in most butcheries including rodents, birds and flies. Best-worst scores showed that among the attributes butchers revealed as the most important for their customers were: "Meat from the same day",

Please indicate the attribute you think is most important for your customers and the attribute you think least important for them when buying pork meat

Most important	Attribute	Least important
<input type="checkbox"/>	Fat layer of the meat	<input type="checkbox"/>
<input type="checkbox"/>	The butcher is wearing a coat	<input type="checkbox"/>
<input type="checkbox"/>	Cleanliness of the butchery	<input type="checkbox"/>
<input type="checkbox"/>	Butchery close to main road	<input type="checkbox"/>

Figure 2. Example for a choice card

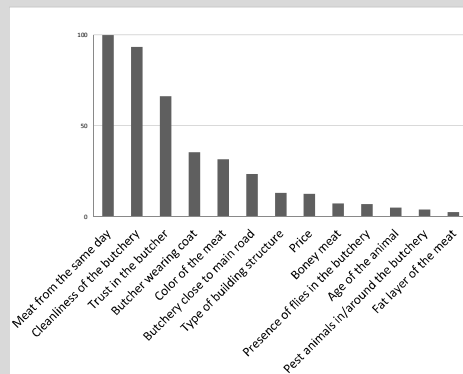


Figure 3. Relative importance of attributes according to butcher's choice

"Cleanliness in the butchery" and "Trust in butcher" while "Presence of flies in butchery", "Age of the animal", "Pest animals in butchery" and "Fat layer of meat" were the least significant qualities (Figure 3). Others varied in-between such as "Price", "Color of meat", "Bony meat", "Butcher wearing coat", "Type of building structure" and "Butchery close to main road".

Conclusions

The results indicate the need to improve food hygiene in order to mitigate food contamination risks but they also show sellers' beliefs which need to be taken into account and addressed. Bringing this research into use will allow targeted interventions and empower butchers to improve the conditions in their shops, strengthen their businesses, and therefore contribute to healthier clients and public health.

Outlook

A consumer study is envisaged to compare both points of view in order to get a better understanding of existing risks and to share this understanding more effectively with butchers and their customers.

Acknowledgements

The research was carried out with the financial support of the Federal Ministry for Economic Cooperation and Development (BMZ), Germany, and the CGIAR Research Program on Agriculture for Nutrition and Health, led by the International Food Policy Research Institute, through the Safe Food, Fair Food project at ILRI.



RESEARCH PROGRAM ON
Agriculture for
Nutrition and Health

Led by IFPRI



Deutscher Akademischer Austauschdienst
German Academic Exchange Service

Contact

Martin Heilmann, DVM
Institute for Parasitology and
Tropical Veterinary Medicine
Berlin, Germany
+49 30 838 62310
Martin.Heilmann@fao.org