Household Consumption of Eggs and Chicken Study
Summary
Following the integration of key egg consumption practices into the Ministry of Agriculture’s (MAF) Newcastle disease chicken vaccination campaign for WRA and children age 6-23 months to consume eggs, TOMAK explored the early outcomes of this campaign through a short survey-based study. This included analyzing early responses from rural households in the campaign areas to the frequency with which WRA and children in their household consume eggs and food preparation. The study provides a snapshot into current behavior, following the MAF chicken vaccination campaign.

Objective
Gauging the early response of rural households to egg consumption following the campaign.
Methodology and Sample

- The Study was conducted in Baucau, Viqueque, and Bobonaro
- Informed consent - Any primary data collection conducted by TOMAK includes a procedure for informing respondents of the purpose and process of the research and seeking consent of respondents ahead of any data collection.
- Quantitative survey, conducting via online (tablet)
- Analysis using PowerBI dashboard

Sample

- Apply 90% confidence level and 10% margin of error
- Selection Suco was the suco where the campaign has occurred, in order to test the influence on local communities
- Women and men in rural household,

<table>
<thead>
<tr>
<th>Municipality</th>
<th>Total population</th>
<th>Sample size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baucau</td>
<td>64,191</td>
<td>68</td>
</tr>
<tr>
<td>Viqueque</td>
<td>29,748</td>
<td>68</td>
</tr>
<tr>
<td>Bobonaro</td>
<td>33,183</td>
<td>68</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>204</strong></td>
<td></td>
</tr>
</tbody>
</table>

Data Management

- Survey form was designed on ONA and uploaded onto tablets
- Seven enumerators (4 women, 3 men) were recruited to run data collection and were supervised by the TOMAK MRM Manager
- Quality control and analysis preparation was undertaken by TOMAK MRM team
- Analysis on PowerBI undertaken by TOMAK MIS advisor

Data Collection

Baucau: 15-20 October 2018
Viqueque: 22-26 October 2018
Bobonaro: 29-30 October 2018
### Demographics

**Total respondents**: 205

**Respondent age categories**
- 15 to 24
- 25 to 34
- 35 to 44
- 44 to 55
- 56 and above

**Respondent gender breakdown**
- Male: 49.76%
- Female: 50.24%

**Household average size and composition**

<table>
<thead>
<tr>
<th></th>
<th>Women</th>
<th>Men</th>
<th>Household</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.53</td>
<td>3.49</td>
<td>7.02</td>
</tr>
</tbody>
</table>

**Respondent education level**
- Pre-secondary class 3, or higher
- None, pre-school or primary class 1
- Primary class 6 to pre-secondary class 2
- Primary class 2 to 5
Do you prepare porridge for your children?
- Yes
- No

Do you include other food?
- Yes
- No

What food do you add?
- Egg
- Fruit
- Minced Meat
- Vegetable
- Soy bean
- Other

Breakdown of other food added
- Carrot
- Moringa
- Potato
- Tomato
- Pumpkin
- Soy bean
Does your family consume chicken?

**Actual - weekly chicken consumption (children)**
- None: 0%
- Once: 20%
- Twice: 10%
- Three times: 5%
- More than four times: 5%
- Four times: 5%

**Opinion - weekly chicken consumption (children)**
- Once: 30%
- Twice: 20%
- Three times: 10%
- Don't know: 5%
- Four times: 5%
- More than four times: 5%

**Where do you get the chicken from?**
- Market: 50%
- My own chickens: 20%

**Actual - weekly chicken consumption (WRA)**
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- Three times: 5%
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**Opinion - weekly chicken consumption (WRA)**
- Once: 30%
- Twice: 20%
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- Don't know: 5%
- Four times: 5%
- More than four times: 5%

**Who normally eats the chicken?**
- Female: 20%
- Grandfather: 15%
- Male: 10%
- Mother: 10%
- Children: 5%
- Grandmother: 5%
- Don't know: 5%

Does your family consume chicken?

- Yes: 100%

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### Eggs

**Who normally eats the eggs?**
- Male: 196
- Female: 189
- Children: 203
- Grandfather: 58
- Grandmother: 49

**Who gets the last egg?**
- Child 6 months to 2 years: 40%
- Older Child: 30%
- None: 10%
- Male head of household: 5%
- Mother if she was pregnant: 5%

**Why last egg**
- Children 6-23 months need it to make them smart and strong: 50%
- Older children need it to be smart in school: 30%
- Not applicable: 10%
- Fathers work hard and need the strength: 10%
- Pregnant need it for growth of baby: 0%

**Are eggs being promoted?**
- Yes: 88%
- No: 12%
- Don't know: 0%

**Who promotes egg consumption?**
- Health provider: 88%
- NGO: 82%
- MAF veterinary s...: 66%
- Don't know: 3%
- Radio spot: 3%
- Agriculture exte...: 0%

**Where do you get the eggs from?**
- Family or friends: 148
- Market: 171
- Own: 0

**Does your family consume eggs?**
- Yes: 100%

**Where do you get the eggs from?**
- Family or friends: 148
- Market: 171
- Own: 0

**Why was the promoter’s message about egg consumption?**
- Prevents Sickness: 88%
- Brain Development: 82%
- Helps Kids at School: 66%
- Don’t Remember: 3%

*Respondents were able to select multiple responses.*