What impact language do you speak?

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galvmed.org
The GALVmed Impact Pathway: What is Changing?
Adoption Example 1: Vaccine A

**Percentage adoption among different segments of smallholders**
Adoption Example 2: Vaccine B

Household Survey Adoption Rates

Area A
- 50% Households adopting

Area B
- 7% Households adopting

Area C
- 8% Households adopting

Households adopting | Households not adopting
Productivity Example: Vaccine A; Before and After

Mayurbhanj, India (n = 284)
- Baseline: 20
- Endline: 30
- 50% flock size increase (p value < 0.01)

Nepal (n = 107)
- Baseline: 11
- Endline: 32
- 190% flock size increase (p value < 0.01)

Keonjhar, India (n = 176)
- Baseline: 11
- Endline: 22
- 100% flock size increase (p value < 0.01)

Cameroon (n = 286)
- Baseline: 19
- Endline: 57
- 200% flock size increase (p value < 0.01)

Tanzania (n = 250)
- Baseline: 26
- Endline: 29
- 12% flock size increase (p value > 0.01)

Burkina Faso (n = 306)
- Baseline: 34
- Endline: 52
- 53% flock size increase (p value < 0.01)

Error bars represent 3x Standard Error of the mean p values for overall flock sizes, based on results of 2-tailed t-test.
Productivity Example: De-wormers

**Mean Weight Gain After 56 Days**

- **Closantel**
  - Treated: 2.80kg
  - Non-treated: 1.42kg
  - Significant at p<0.001

- **Fenbendazole**
  - Treated: 515g
  - Non-treated: 445.0g
  - Significant at p<0.001

Sample sizes:
- Closantel: n=97, n=129
- Fenbendazole: n=394, n=489

Additional notes:
- n = ~500 goats
- n = ~2000 Chickens
Livelihood Changes
Livelihood Example: Poultry Income & Education

For every bird sold...

From Vaccinating Households:
- 30% is typically spent on school
- 60% on other sources
- 9% is typically spent on household health

From Non-Vaccinating Households:
- 16% is typically spent on school
- 72% on other sources
- 13% is typically spent on household health

Source: Uganda ND Productivity Study - 2017

n = 621
Viability & Sustainability Changes
Viability and Sustainability Changes: 5 years on

**Vaccine Supply**

- **Agrovets (N = 30)**
  - Stocking: 14, 47%
  - Not Stocking: 16, 53%

- **Vaccinators (N = 53)**
  - Providing ND Vaccine: 12, 23%
  - Not Providing ND Vaccine: 41, 77%

(7 in 2012)  
(98 in 2012)

**Vaccine Usage**

- **n = 245**
  - Yes: 39%
  - No: 61%

**Anual poultry income (USD)**

<table>
<thead>
<tr>
<th>Vaccinating</th>
<th>Not vaccinating</th>
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<tbody>
<tr>
<td>112.8</td>
<td>69.6</td>
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(12 in 2012)
In Summary .....