



Data Analysis NTS Pilot Phase

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Discussion and recommendations



✓ **Intervention group (n provinces) VS Control group (n provinces)**

- Aim to evaluate the effectiveness of an intervention on biological transport system
- 10 senders in 3 provinces with intervention
- 8 senders in 3 provinces as control

✓ **Positive impacts of the intervention**

- Higher % of samples tested within a day of reception (24.8% vs 15.4%)
- Higher % of high score for communication aspects (81.4% vs 67.3%)
- Higher % of high score for labelling of the shipment packages at sending (93% vs 46%)
 - But lower score in intervention group at sample arrival
- Higher % of high score for cleanliness of the shipment packages at sending (99.8% vs 76.5%)
 - But lower score in intervention group at sample arrival

Discussion and recommendations



✓ **Limitations and biases in the design of the pilot study**

- Important variability between pathways: logistics, distances, ...
- Subjective evaluation on characteristics of shipment packages (cleanliness, correctness): variation between sender and receiver
- One solution **for bias mitigation**: same sites, period of control first, then period of intervention = self comparison before and after the intervention

✓ **Recommendations**

- Extend the intervention to a national level with refinement of some logistical aspects
 - Observed benefits: enhanced efficiency in sample transportation, reduced delay of testing, improve communication, increased quality of sample management
- Address the main limitations/biases to enhance the process and positive outcomes
 - Standardization of assessment criteria and their definitions
- Further assessment of acceptability and alignment with existing work flow among end-user of the proposed biological transport system (qualitative approach)

THANKS FOR YOUR ATTENTION

