

From R to the Farm

Visualizing Risk Analysis to Improve Farm Biosecurity

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Background

We are developing a risk analysis algorithm that uses surveys of farm biosecurity and animal movements to calculate the probability of pathogen introduction and the impact of different biosecurity measures.

This model can provide farm-tailored biosecurity recommendations. It is important that the results are easy for farmers and veterinarians to use and understand, so that they can use them for decision-making.

Objective

Provide farmers and veterinarians with **clear visualisations of the results** of our model



We are currently testing our visualisations

Can you help us by answering this survey?

Biosecurity Risk Analysis

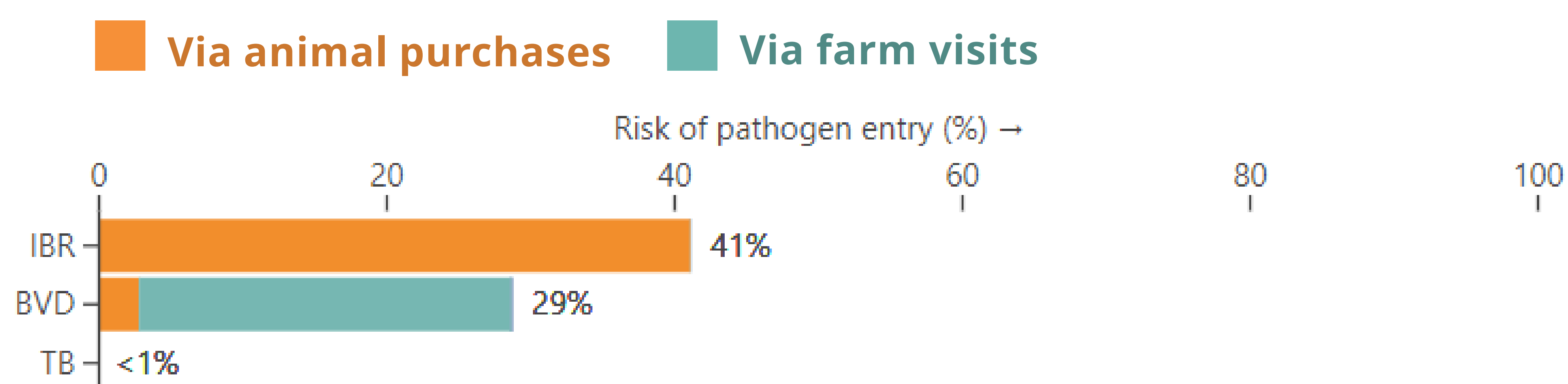
Farm

This cattle farm has bought two bulls. They use their own vehicle to transport them. These bulls were quarantined for 7 days before joining the herd. No tests were carried out during this quarantine.

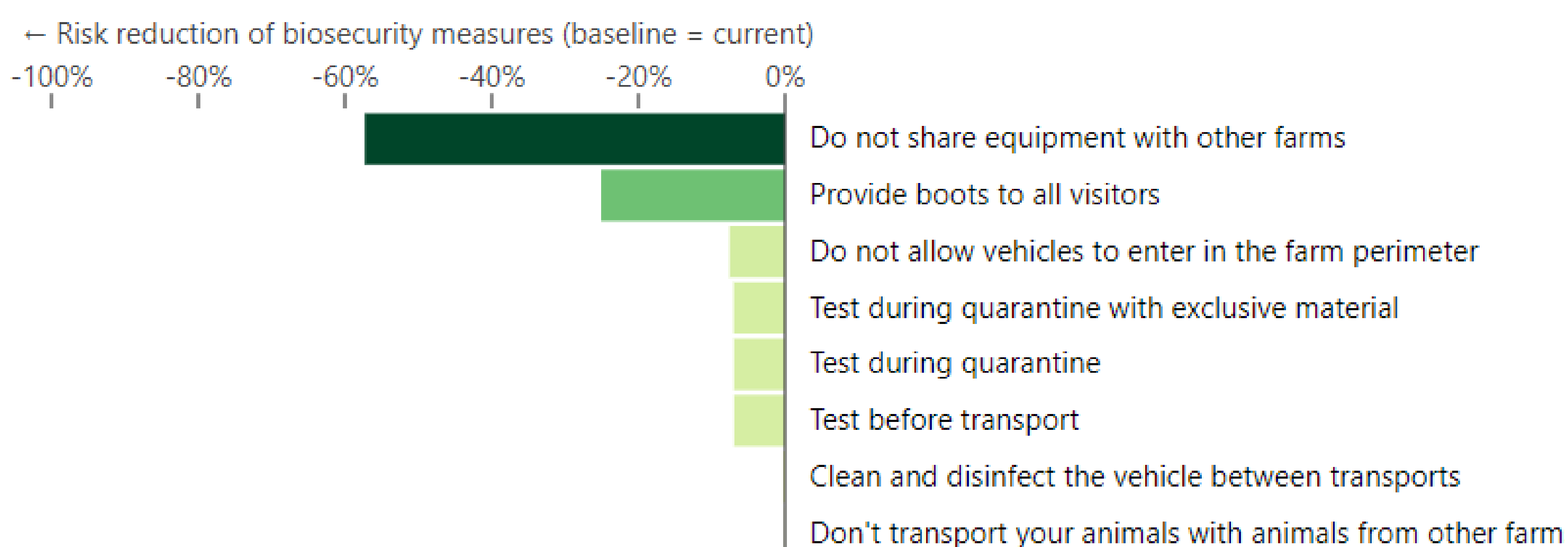
The farm has visitors several times a week and they never give the visitors boots. These visitors often bring equipment that has been used on other farms. All vehicles enter the farm perimeter except the rendering vehicle.

Results

1. Risk of pathogens entering the farm



2. Impact of biosecurity measures



Please, read the farm case, look at the graphs and answer a few questions about the results interpretation

(2-3 minutes)

Go to www.menti.com

Enter the code

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<https://www.menti.com/al9ay3u1ofa6>

Thank you!! :)

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