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Tiakitanga Pūtaiao Aotearoa

# Changing trends in bovine Salmonella in NZ

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Surveillance & Incursion Investigation

**Diagnostic & Surveillance Directorate** 

Ministry for Primary Industries Manatū Ahu Matua



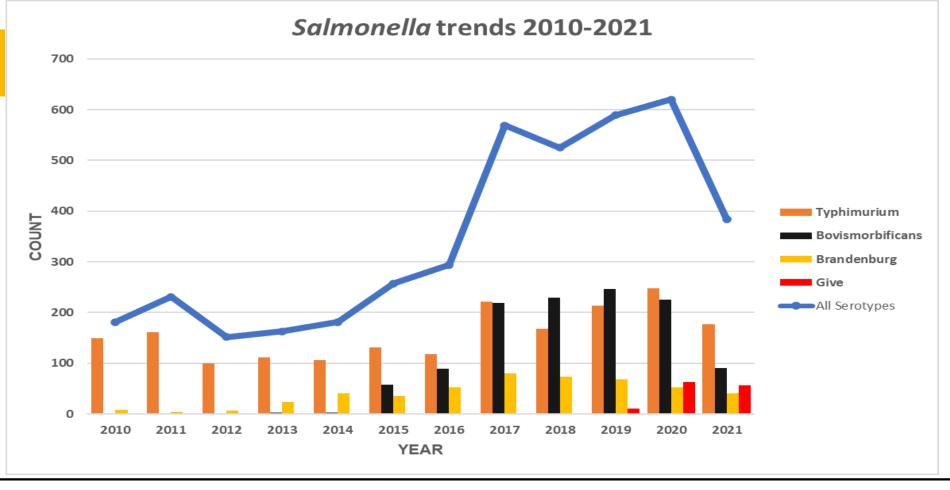
# Roadmap

- Animal health surveillance programme
- S. Bovismorbificans
- S. Give
- S. Brandenburg
- Companion animal cases
- Summary





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Why is this changing trend important?

Animal health and welfare impacts

Anecdotal reports of significant impacts;

-significant morbidity/mortality events in calves and cows,

-abortions







#### **Production costs**

-mortality-loss of cows in production or replacement stock

-impacts of morbidity (decreased weight gain, lost milk production etc)

-abortions

-treatment costs; vaccine and antibiotics -loss of milk





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### Human health impacts

-risk of raw milk consumption (farmers families and general public)

#### -risks to farm workers







## Animal Health Surveillance programme

- Important component of NZ's general surveillance programme
- 3 commercial veterinary diagnostic laboratories provide anonymised case data to MPI
- Programme operating 2003-present
- Database holds approx. 400,000 records across all species





To report suspected exotic land, freshwater and marine pests, or exotic diseases in plants or animals, call:

### 0800 80 99 66



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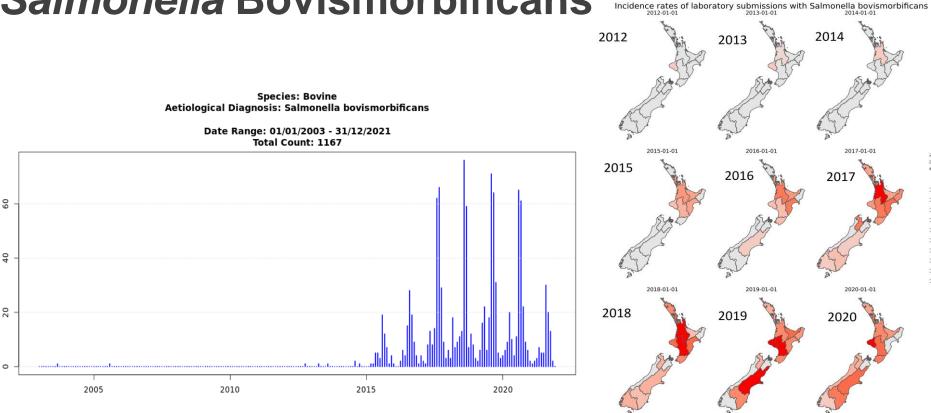
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## Salmonella Bovismorbificans



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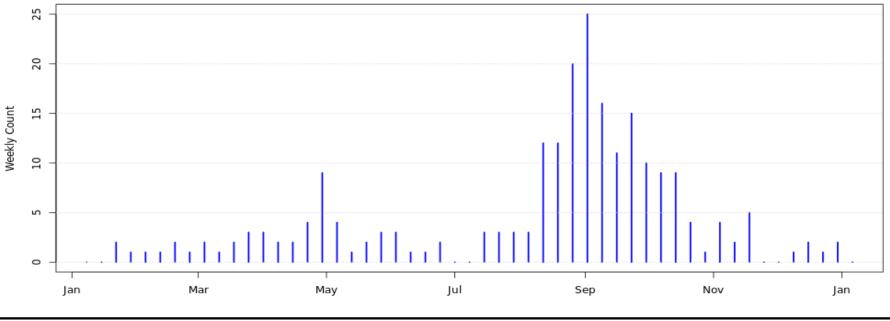


Monthly Count

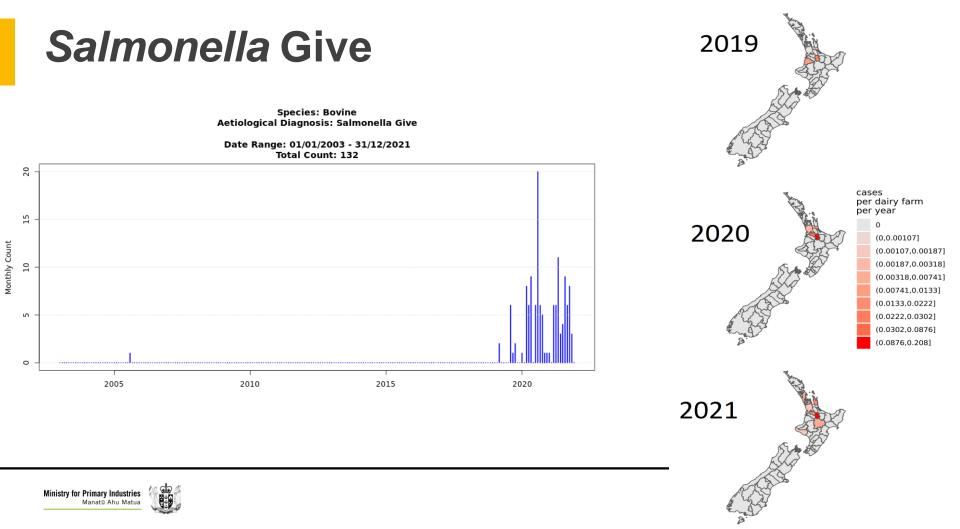
## Salmonella Bovismorbificans

Ministry for Primary Industries Manatū Ahu Matua Species: Bovine Aetiological Diagnosis: Salmonella bovismorbificans Date Range: 01/01/2020 - 31/12/2020





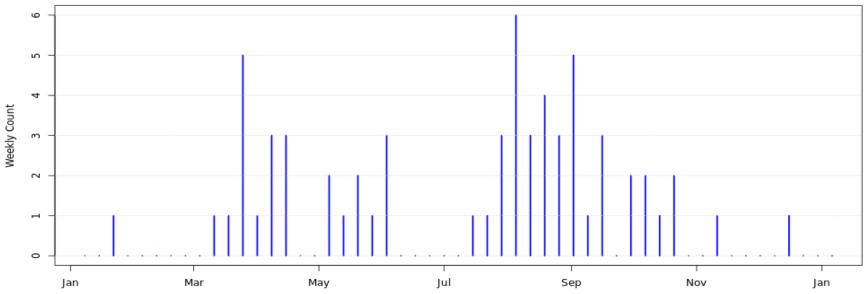
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## Salmonella Give

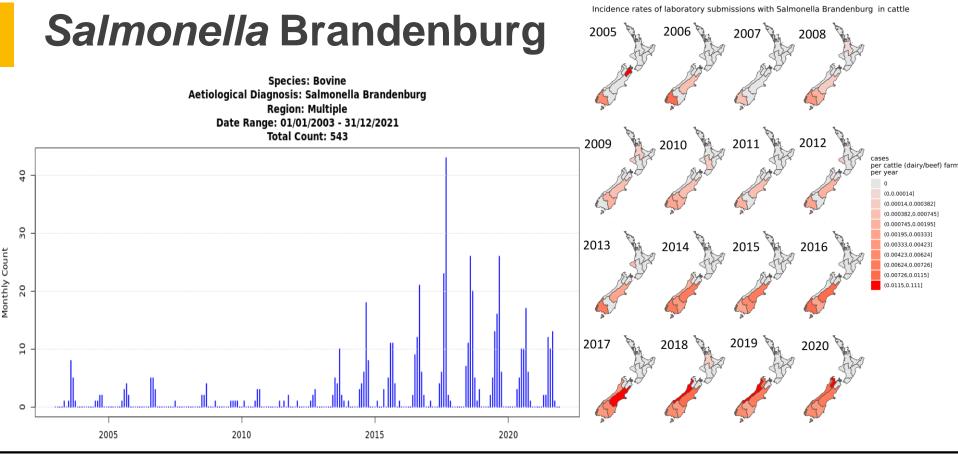
#### Salmonella Give Species: Bovine Aetiological Diagnosis: Salmonella Give Date Range: 01/01/2020 - 31/12/2020

Total Count: 63





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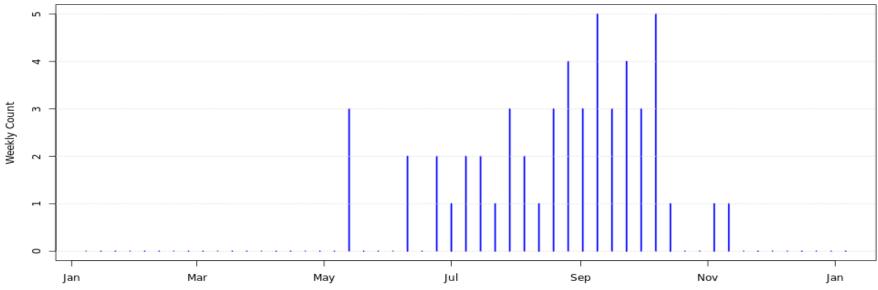


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## Salmonella Brandenburg

#### Species: Bovine Aetiological Diagnosis: Salmonella Brandenburg Date Range: 01/01/2020 - 31/12/2020

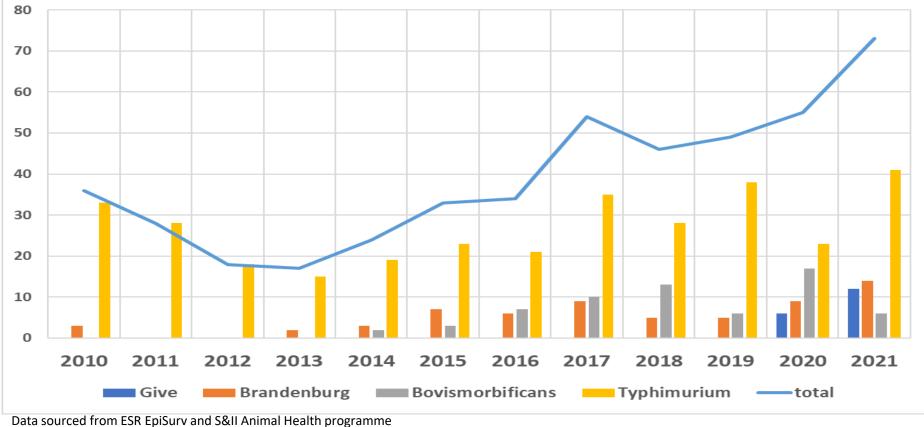






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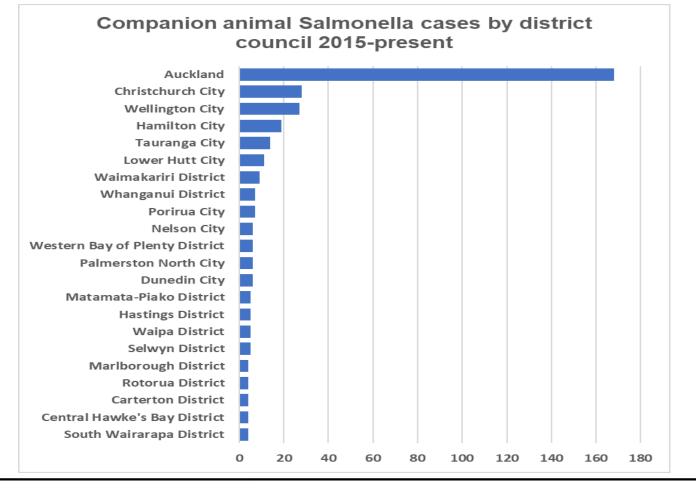
#### Salmonella Feline & Canine



Data sourced from ESK Episory and S&R Animal Health progr

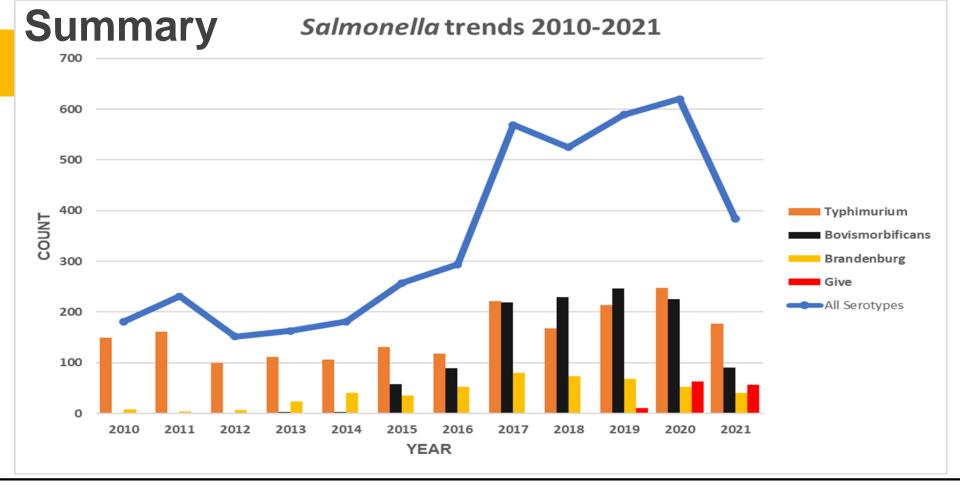


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# Thank you!

# Questions?





