

# Occupational exposure for *Leptospira* in New Zealand

J Sanhueza; C Heuer; P Wilson; J Benschop; J Collins-Emerson; A Dreyfus; F Fang



OIE Collaborating Centre for  
Veterinary Epidemiology  
and Public Health

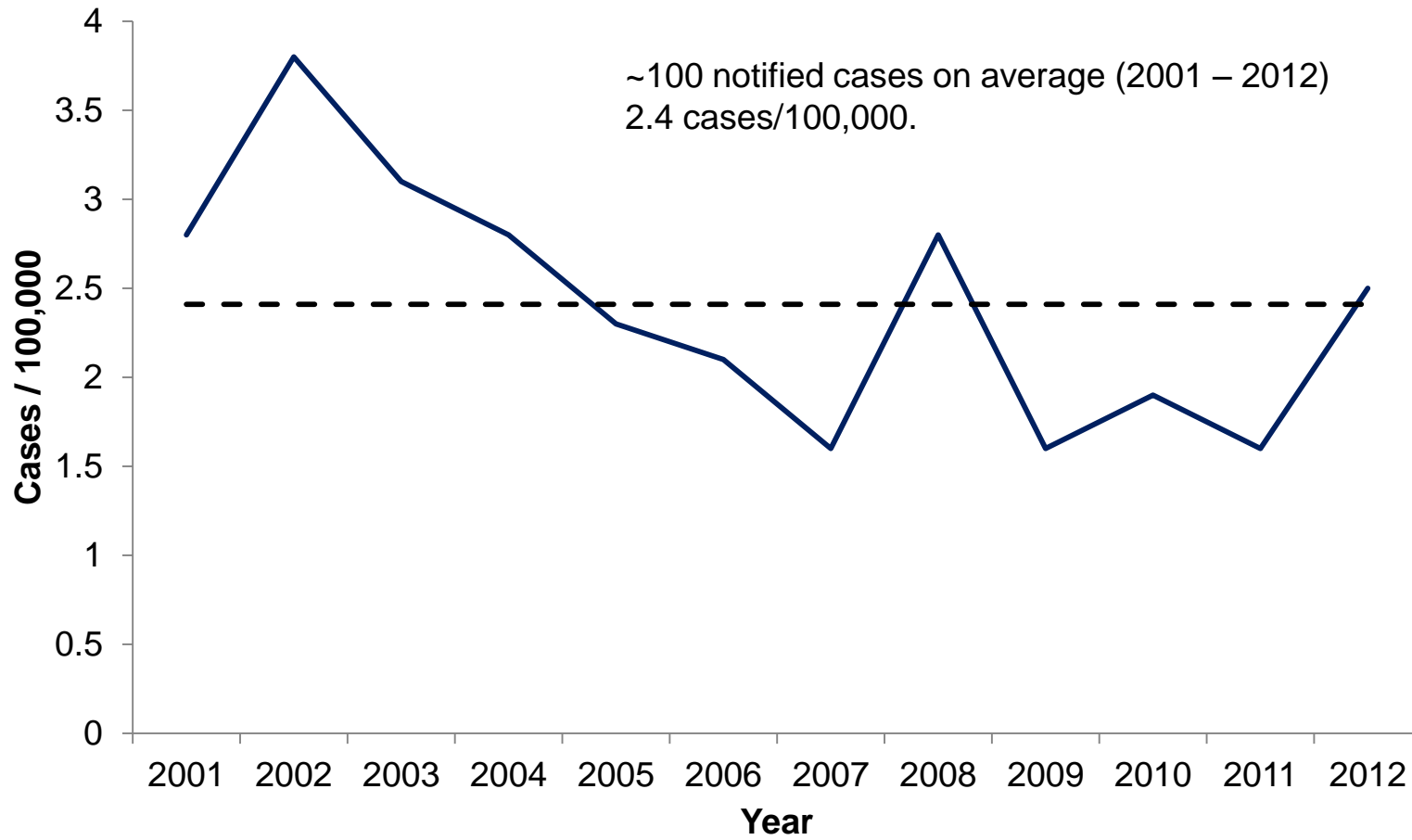
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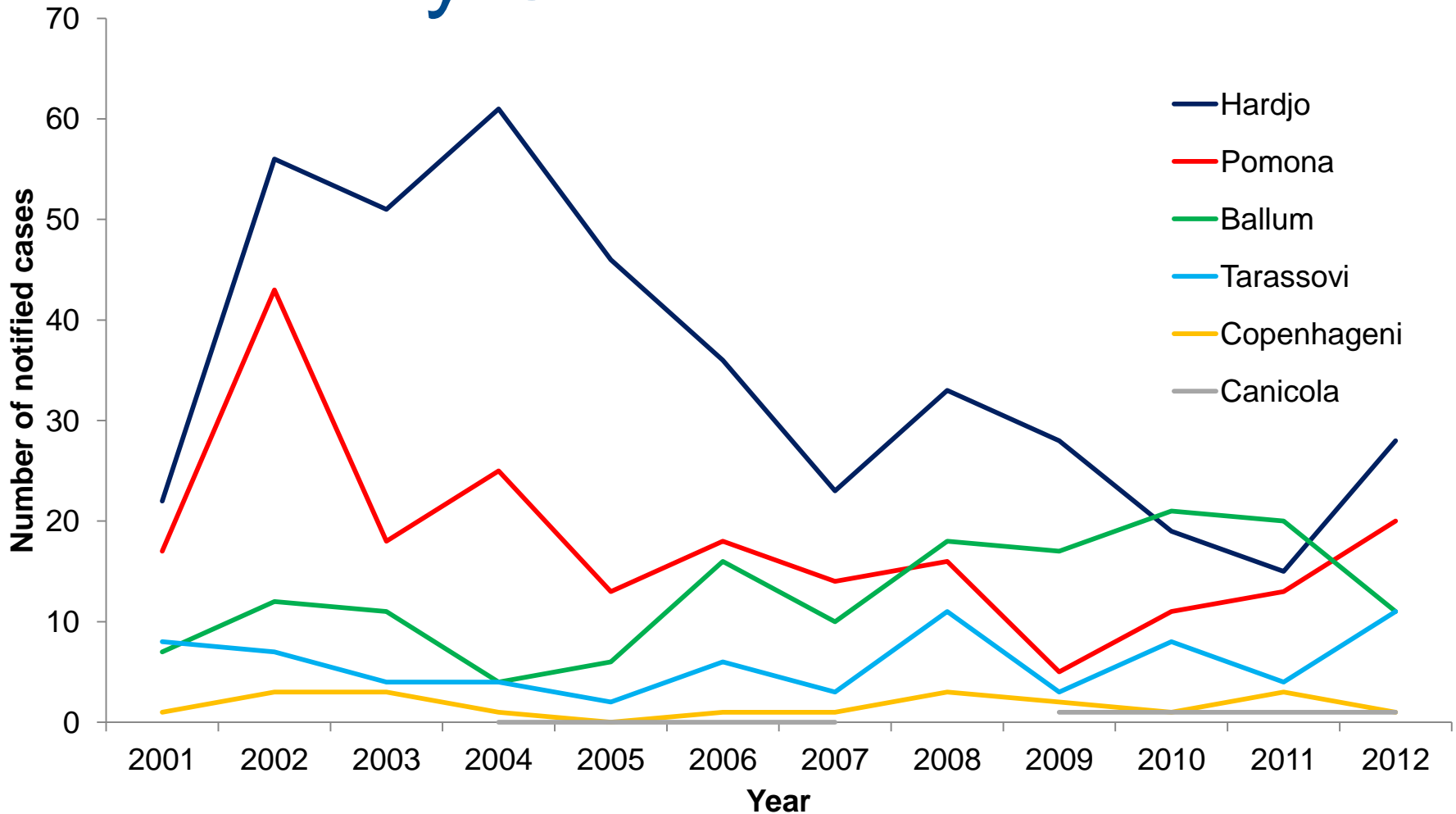
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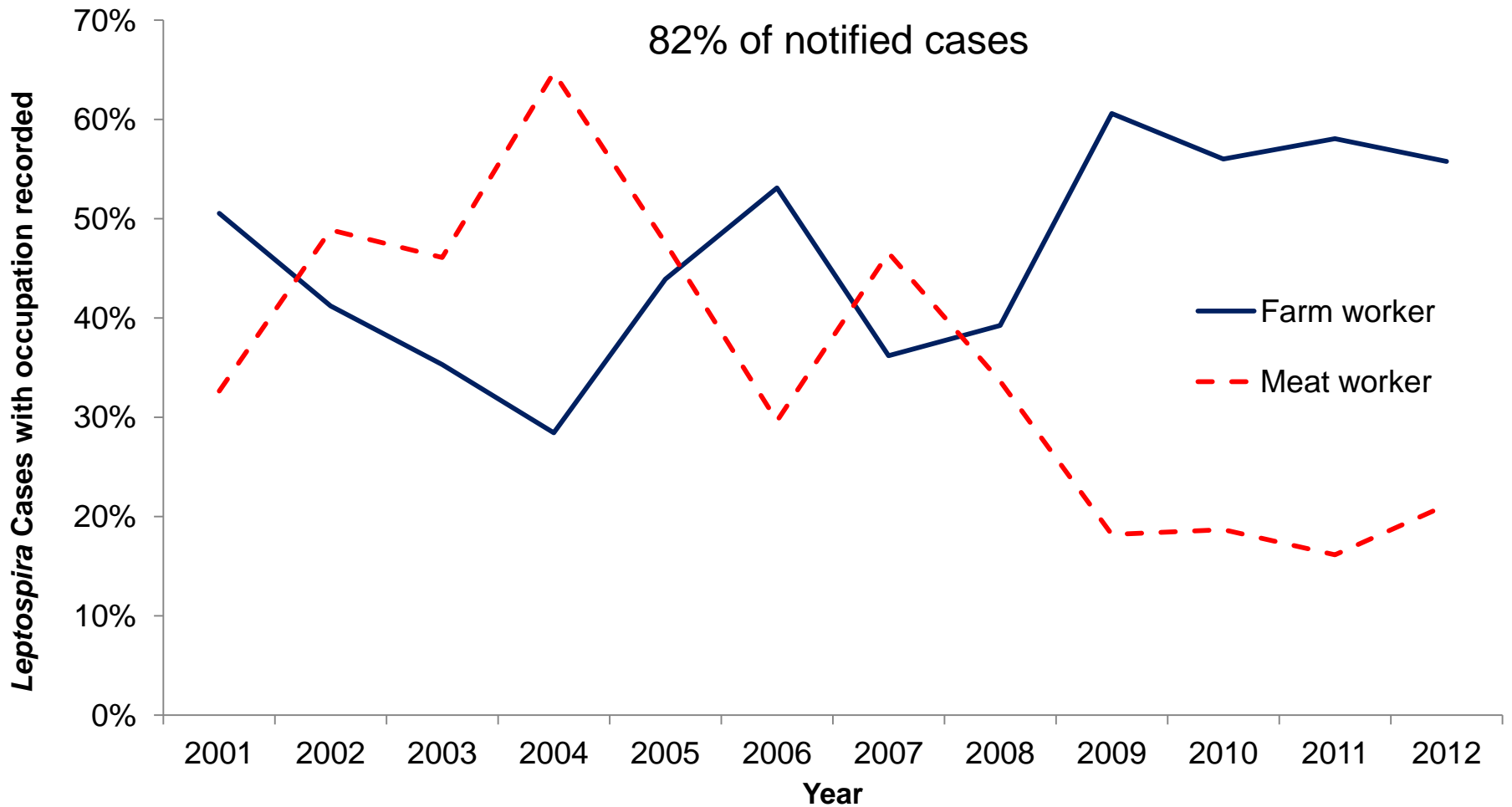
[EpiCentre.massey.ac.nz](http://EpiCentre.massey.ac.nz)

# Notified Human Cases in New Zealand



# Notified Human Cases by Serovar





# Meat Workers

## Chapter 4

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### Sero-prevalence and Risk Factors for Leptospirosis in Abattoir Workers in New Zealand

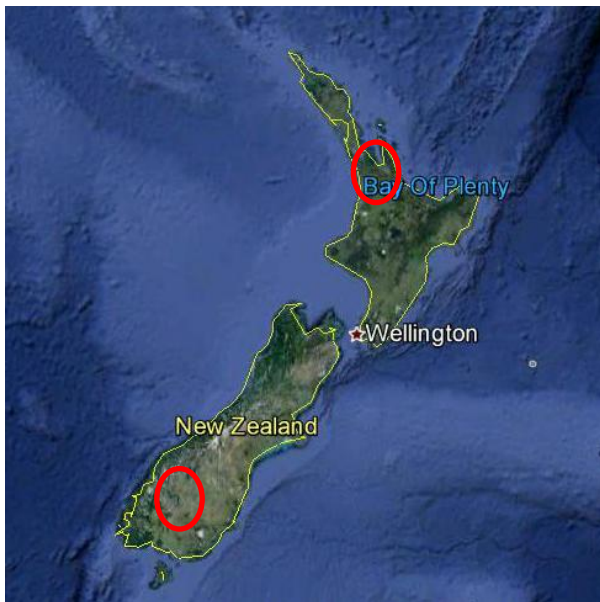
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A. Dreyfus, J. Benschop, J. Collins-Emerson, P. Wilson, C. Heuer

- 10.9% (95% CI = 8.5% - 13.9%; MAT  $\geq$ 1:48) sero-prevalence to Hardjo or Pomona (62/567 positive in 8 abattoirs)
- Risk factor: Work position

# Leptospira in Veterinarians

- Students: All sero-negative (0/302) to Hardjo, Pomona and/or Ballum in 2011 (Fang et al, unpublished).
- Veterinarians: 2012



We want your BLOOD!

Free test for leptospirosis, find bleeding station at the exhibition hall (MSD-Pfizer-Virbac)



# Sero-prevalence in Veterinarians

- 4.7% (2.5% - 7.9%) seropositive to Hardjo, Pomona or Ballum (13/277).
- Home slaughtering and veterinarians working with multiple species were risk factors for *Leptospira* sero-positivity.

# Leptospira in Farm Workers

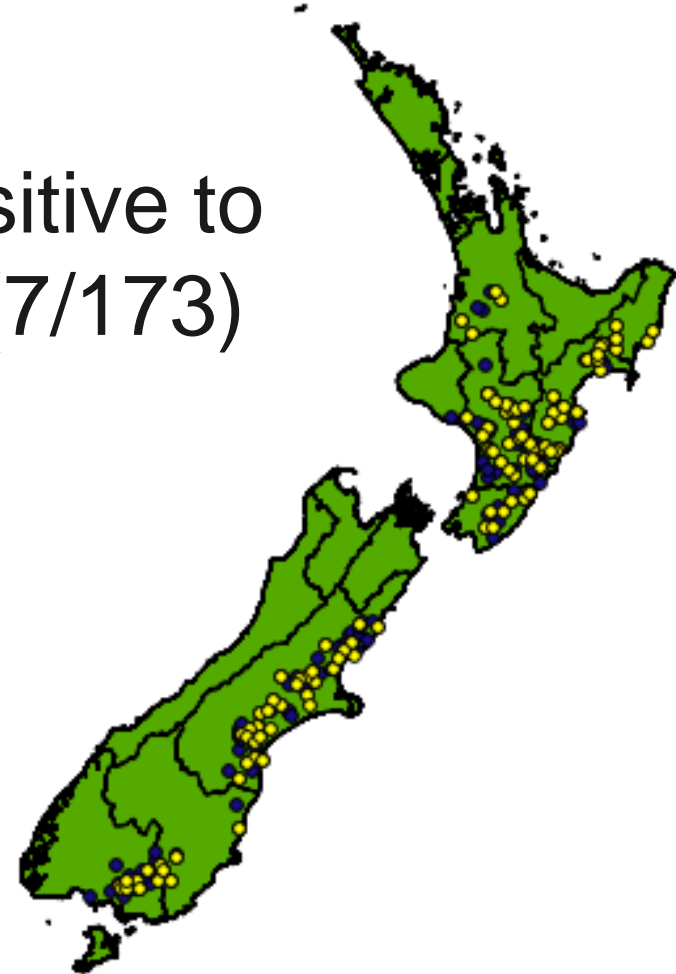
- 131/238 farms, participated in the study.





# Sero-prevalence in Farm Workers

- 4.1% (1.6% - 8.2%) seropositive to Hardjo, Pomona or Ballum (7/173)



# Summary

- Meat Workers: 10.9%
  - Work position within abattoir.
- Veterinary students: 0%
- Veterinarians: 4.7%
  - Home slaughtering and veterinarians working with multiple species.
- Farm Workers: 4.1%
  - Analyses pending to identify risk factors.