

ANEXO 1. Referencias seleccionadas, y procesadas, en relación con los criterios de selección aplicados en esta revisión sistemática sobre sistemas de información geográfica y Fiebre Q.

1. Agger, J. F., Christoffersen, A. B., Rattenborg, E., Nielsen, J., & Agerholm, J. S. (2010). Prevalence of *Coxiella burnetii* antibodies in Danish dairy herds. *Acta Vet Scand*, 52(1), 5. <https://doi.org/10.1186/1751-0147-52-5>
2. Agger, J. F., & Paul, S. (2014). Increasing prevalence of *Coxiella burnetii* seropositive Danish dairy cattle herds. *Acta Vet Scand*, 56(1), 46. <https://doi.org/10.1186/s13028-014-0046-2>
3. Alvarez, J., Perez, A., Mardones, F. O., Perez-Sancho, M., Garcia-Seco, T., Pages, E., . . . Dominguez, L. (2012). Epidemiological factors associated with the exposure of cattle to *Coxiella burnetii* in the Madrid region of Spain. *Veterinary Journal*, 194(1), 102-107. <https://doi.org/10.1016/j.tvjl.2012.02.022>
4. Alvarez, J., Whitten, T., Branscum, A. J., Garcia-Seco, T., Bender, J. B., Scheftel, J., & Perez, A. (2018). Understanding Q Fever Risk to Humans in Minnesota Through the Analysis of Spatiotemporal Trends. *Vector-Borne and Zoonotic Diseases*, 18(2), 89-95. <https://doi.org/10.1089/vbz.2017.2132>
5. Alvarez-Alonso, R., Felix Barandika, J., Ruiz-Fons, F., Ortega-Araiztegi, I., Jado, I., Hurtado, A., & Luisa Garcia-Perez, A. (2018). Stable levels of *Coxiella burnetii* prevalence in dairy sheep flocks but changes in genotype distribution after a 10-year period in northern Spain. *Acta Veterinaria Scandinavica*, 60, Article 75. <https://doi.org/10.1186/s13028-018-0429-x>
6. Antoniou, M., Tselentis, Y., Babalis, T., Gikas, A., Stratigakis, N., Vlachonikolis, I., . . . Fioretos, M. (1995). THE SEROPREVALENCE OF 10 ZOONOSES IN 2 VILLAGES OF CRETE, GREECE. *European Journal of Epidemiology*, 11(4), 415-423. <https://doi.org/10.1007/bf01721226>
7. Bond, K. A., Franklin, L., Sutton, B., Stevenson, M. A., & Firestone, S. M. (2018). Review of 20 years of human acute Q fever notifications in Victoria, 1994-2013. *Australian Veterinary Journal*, 96(6), 223-230. <https://doi.org/10.1111/avj.12704>

8. Boroduske, A., Trofimova, J., Kibilds, J., Papule, U., Sergejeva, M., Rodze, I., & Grantina-levina, L. (2017). Coxiella burnetii (Q fever) infection in dairy cattle and associated risk factors in Latvia. *Epidemiol Infect*, 145(10), 2011-2019. <https://doi.org/10.1017/s0950268817000838>
9. Brooke, R. J., Kretzschmar, M. E., Hackert, V., Hoebe, C. J., Teunis, P. F., & Waller, L. A. (2017). Spatial Prediction of Coxiella burnetii Outbreak Exposure via Notified Case Counts in a Dose-Response Model. *Epidemiology*, 28(1), 127-135. <https://doi.org/10.1097/ede.0000000000000574>
10. Brooke, R. J., Teunis, P. F., Kretzschmar, M. E., Wielders, C. C., Schneeberger, P. M., & Waller, L. A. (2017). Use of a Dose-Response Model to Study Temporal Trends in Spatial Exposure to Coxiella burnetii: Analysis of a Multiyear Outbreak of Q Fever. *Zoonoses Public Health*, 64(2), 118-126. <https://doi.org/10.1111/zph.12288>
11. Cabrera Orrego, R., Ríos-Osorio, L. A., Keynan, Y., Rueda, Z. V., & Gutiérrez, L. A. (2020). Molecular detection of Coxiella burnetii in livestock farmers and cattle from Magdalena Medio in Antioquia, Colombia. *PLoS One*, 15(6), e0234360. <https://doi.org/10.1371/journal.pone.0234360>
12. Chaillon, A., Bind, J. L., Delaval, J., Haguenoer, K., Besnier, J. M., & Choutet, P. (2008). Epidemiological aspects of human Q fever in Indre-et-Loire between 2003 and 2005 and comparison with caprine Q fever. *Medecine Et Maladies Infectieuses*, 38(4), 215-224. <https://doi.org/10.1016/j.medmal.2008.01.010>
13. Cikman, A., Aydin, M., Gulhan, B., Karakecili, F., Ozcicek, A., Kesik, O. A., . . . Gultepe, B. (2017). The seroprevalence of Coxiella burnetii in Erzincan, Turkey: Identification of the risk factors and their relationship with geographical features. *Journal of Vector Borne Diseases*, 54(2), 157-163.
14. Clark, N. J., Tozer, S., Wood, C., Firestone, S. M., Stevenson, M., Caraguel, C., . . . Magalhaes, R. J. S. (2020). Unravelling animal exposure profiles of human Q fever cases in Queensland, Australia, using natural language processing. *Transboundary and Emerging Diseases*, 67(5), 2133-2145. <https://doi.org/10.1111/tbed.13565>
15. Commandeur, M., Jeurissen, L., van der Hoek, W., Roest, H.-J., & Hermans, T. (2014). Spatial relationships in the Q fever outbreaks 2007-2010 in the

- Netherlands. *International Journal of Environmental Health Research*, 24(2), 137-157. <https://doi.org/10.1080/09603123.2013.800963>
16. de Boer, P. T., de Lange, M. M. A., Wielders, C. C. H., Dijkstra, F., van Roeden, S. E., Bleeker-Rovers, C. P., . . . van der Hoek, W. (2020). Cost-effectiveness of Screening Program for Chronic Q Fever, the Netherlands. *Emerging Infectious Diseases*, 26(2), 238-246. <https://doi.org/10.3201/eid2602.181772>
 17. de Rooij, M. M., Borlée, F., Smit, L. A., de Bruin, A., Janse, I., Heederik, D. J., & Wouters, I. M. (2016). Detection of Coxiella burnetii in Ambient Air after a Large Q Fever Outbreak. *PLoS One*, 11(3), e0151281. <https://doi.org/10.1371/journal.pone.0151281>
 18. Duplax, L., Turgeon, P., Levesque, B., Rocheleau, J. P., Leboeuf, A., Picard, I., . . . Arsenault, J. (2021). Seroprevalence and risk factors of antibodies against Coxiella burnetii among dog owners in southwestern Quebec, Canada. *Epidemiology and Infection*, 149, Article e163. <https://doi.org/10.1017/s0950268821001412>
 19. Elelu, N., Bankole, A. A., Musa, R. J., Odetokun, I. A., Rabi, M., Biobaku, K. T., . . . Ogunipe, G. A. T. (2020). Serospatial epidemiology of zoonotic Coxiella burnetii in a cross section of cattle and small ruminants in northern Nigeria. *Plos One*, 15(10), Article e0240249. <https://doi.org/10.1371/journal.pone.0240249>
 20. Esmaili, S., Bagheri Amiri, F., & Mostafavi, E. (2014). Seroprevalence survey of Q fever among sheep in northwestern Iran. *Vector-Borne and Zoonotic Diseases*, 14(3), 189-192. <https://doi.org/10.1089/vbz.2013.1382>
 21. Espi, A., del Cerro, A., Oleaga, A., Rodriguez-Perez, M., Lopez, C. M., Hurtado, A., . . . Garcia-Perez, A. L. (2021). One Health Approach: An Overview of Q Fever in Livestock, Wildlife and Humans in Asturias (Northwestern Spain). *Animals*, 11(5), Article 1395. <https://doi.org/10.3390/ani11051395>
 22. Fakour, S., Jamali, R., & Ahmadi, E. (2021). Seroepidemiological study on Coxiella burnetii and associated risk factors in ruminants at Kurdistan Province, west of Iran. *Comp Immunol Microbiol Infect Dis*, 78, 101691. <https://doi.org/10.1016/j.cimid.2021.101691>
 23. Fanelli, A., Trotta, A., Bono, F., Corrente, M., & Buonavoglia, D. (2020). Seroprevalence of coxiella burnetii in dairy cattle and buffalo from southern

- italy. *Veterinaria Italiana*, 56(3), 193-197. <https://doi.org/10.12834/VetIt.2321.13237.1>
24. Fevre, E. M., de Glanville, W. A., Thomas, L. F., Cook, E. A. J., Kariuki, S., & Wamae, C. N. (2017). An integrated study of human and animal infectious disease in the Lake Victoria crescent small-holder crop-livestock production system, Kenya. *Bmc Infectious Diseases*, 17, Article 457. <https://doi.org/10.1186/s12879-017-2559-6>
25. Gardon, J., Héraud, J. M., Laventure, S., Ladam, A., Capot, P., Fouquet, E., . . . Talarmin, A. (2001). Suburban transmission of Q fever in French Guiana: Evidence of a wild reservoir. *Journal of Infectious Diseases*, 184(3), 278-284. <https://doi.org/10.1086/322034>
26. Gonzalez-Barrio, D., Velasco Avila, A. L., Boadella, M., Beltran-Beck, B., Angel Barasona, J., Santos, J. P. V., . . . Ruiz-Fons, F. (2015). Host and Environmental Factors Modulate the Exposure of Free-Ranging and Farmed Red Deer (*Cervus elaphus*) to *Coxiella burnetii*. *Applied and Environmental Microbiology*, 81(18), 6223-6231. <https://doi.org/10.1128/aem.01433-15>
27. Greiner, A. L., Bhengsri, S., Million, M., Edouard, S., Thamthitiwat, S., Clarke, K., . . . Parola, P. (2018). Acute Q fever case detection among acute febrile Illness Patients, Thailand, 2002-2005. *American Journal of Tropical Medicine and Hygiene*, 98(1), 252-257. <https://doi.org/10.4269/ajtmh.17-0413>
28. Hackert, V. H., Hoebe, C. J. P. A., Dukers-Muijrs, N., Krafft, T., Kauh, B., Henning, K., . . . Al Dahouk, S. (2020). Q fever: Evidence of a massive yet undetected cross-border outbreak, with ongoing risk of extra mortality, in a Dutch–German border region. *Transboundary and Emerging Diseases*, 67(4), 1660-1670. <https://doi.org/10.1111/tbed.13505>
29. Hackert, V. H., van der Hoek, W., Dukers-Muijrs, N., de Bruin, A., Al Dahouk, S., Neubauer, H., . . . Hoebe, C. J. (2012). Q fever: single-point source outbreak with high attack rates and massive numbers of undetected infections across an entire region. *Clin Infect Dis*, 55(12), 1591-1599. <https://doi.org/10.1093/cid/cis734>
30. Halsby, K. D., Kirkbride, H., Walsh, A. L., Okereke, E., Brooks, T., Donati, M., & Morgan, D. (2017). The Epidemiology of Q Fever in England and Wales 2000-2015. *Veterinary sciences*, 4(2). <https://doi.org/10.3390/vetsci4020028>

31. Harris, P., Eales, K. M., Squires, R., Govan, B., & Norton, R. (2013). Acute Q fever in northern Queensland: variation in incidence related to rainfall and geographical location. *Epidemiol Infect*, 141(5), 1034-1038. <https://doi.org/10.1017/s0950268812001495>
32. Hawker, J. I., Ayres, J. G., Blair, I., Evans, M. R., Smith, D. L., Smith, E. G., . . . Wood, M. J. (1998). A large outbreak of Q fever in the West Midlands: windborne spread into a metropolitan area? *Communicable disease and public health / PHLIS*, 1(3), 180-187.
33. Hermans, T., Jeurissen, L., Hackert, V., & Hoebe, C. (2014). Land-applied goat manure as a source of human Q-fever in the Netherlands, 2006-2010. *PLoS One*, 9(5), e96607. <https://doi.org/10.1371/journal.pone.0096607>
34. Hillary, I. B., & Meenan, P. N. (1976). Q fever in the Republic of Ireland. *Irish Journal of Medical Science*, 145(1), 10-17. <https://doi.org/10.1007/BF02938912>
35. Hireche, S., Agabou, A., & Bouaziz, O. (2020). Seroprevalence of *Coxiella burnetii* among ewes and associated risk factors in Constantine (Northeastern Algeria). *Journal of the Hellenic Veterinary Medical Society*, 71(3), 2383-2390. <https://doi.org/10.12681/jhvms.25100>
36. Inoue, K., Kabeya, H., Fujita, H., Makino, T., Asano, M., Inoue, S., . . . Maruyama, S. (2011). Serological survey of five zoonoses, scrub Typhus, Japanese spotted fever, tularemia, lyme disease, and Q fever, in feral raccoons (*Procyon lotor*) in Japan. *Vector-Borne and Zoonotic Diseases*, 11(1), 15-19. <https://doi.org/10.1089/vbz.2009.0186>
37. Joulié, A., Sidi-Boumedine, K., Bailly, X., Gasqui, P., Barry, S., Jaffrelo, L., . . . Jourdain, E. (2017). Molecular epidemiology of *Coxiella burnetii* in French livestock reveals the existence of three main genotype clusters and suggests species-specific associations as well as regional stability. *Infect Genet Evol*, 48, 142-149. <https://doi.org/10.1016/j.meegid.2016.12.015>
38. Kalaitzakis, E., Fancello, T., Simons, X., Chaligiannis, I., Tomaiuolo, S., Andreopoulou, M., . . . Mori, M. (2021). *Coxiella burnetii* Shedding in Milk and Molecular Typing of Strains Infecting Dairy Cows in Greece. *Pathogens*, 10(3). <https://doi.org/10.3390/pathogens10030287>

39. Kanouté, Y. B., Gragnon, B. G., Schindler, C., Bonfoh, B., & Schelling, E. (2017). Epidemiology of brucellosis, Q Fever and Rift Valley Fever at the human and livestock interface in northern Côte d'Ivoire. *Acta Trop*, 165, 66-75. <https://doi.org/10.1016/j.actatropica.2016.02.012>
40. Karagiannis, I., Schimmer, B., Van Lier, A., Timen, A., Schneeberger, P., Van Rotterdam, B., . . . Van Duynhoven, Y. (2009). Investigation of a Q fever outbreak in a rural area of The Netherlands. *Epidemiol Infect*, 137(9), 1283-1294. <https://doi.org/10.1017/s0950268808001908>
41. Kayedi, M. H., Mokhayeri, H., Birjandi, M., Chegeni-Sharafi, A., Esmaeili, S., & Mostafavi, E. (2017). Seroepidemiological study of Q fever in Lorestan province, western Iran, 2014. *Iranian Journal of Microbiology*, 9(4), 213-218.
42. Kersh, G. J., Fitzpatrick, K. A., Self, J. S., Priestley, R. A., Kelly, A. J., Lash, R. R., . . . Anderson, A. D. (2013). Presence and Persistence of *Coxiella burnetii* in the Environments of Goat Farms Associated with a Q Fever Outbreak. *Applied and Environmental Microbiology*, 79(5), 1697-1703. <https://doi.org/10.1128/aem.03472-12>
43. Khor, C. S., Mohd-Rahim, N. F., Hassan, H., Chandren, J. R., Nore, S. S., Johari, J., . . . AbuBakar, S. (2018). Seroprevalence of Q Fever Among the Indigenous People (Orang Asli) of Peninsular Malaysia. *Vector Borne Zoonotic Dis*, 18(3), 131-137. <https://doi.org/10.1089/vbz.2017.2153>
44. Kirchgessner, M. S., Dubovi, E. J., Porter, W. F., Zyllich, N. C., & Whipps, C. M. (2012). Prevalence and spatial distribution of antibodies to bovine viral diarrhea virus and *Coxiella burnetii* in white-tailed deer (*Odocoileus virginianus*) in New York and Pennsylvania. *J Zoo Wildl Med*, 43(3), 466-472. <https://doi.org/10.1638/2011-0049r.1>
45. Kirchgessner, M. S., Dubovi, E. J., & Whipps, C. M. (2012). Seroepidemiology of *Coxiella burnetii* in wild white-tailed deer (*Odocoileus virginianus*) in New York, United States. *Vector Borne Zoonotic Dis*, 12(11), 942-947. <https://doi.org/10.1089/vbz.2011.0952>
46. Koeijer, A. A., Hagenaars, T. J., Leuken, J., Swart, A. N., & Boender, G. J. (2020). Spatial transmission risk during the 2007-2010 Q fever epidemic in The Netherlands: Analysis of the farm-to-farm and farm-to-resident transmission. *PLoS One*, 15(2), e0227491. <https://doi.org/10.1371/journal.pone.0227491>

47. Kumsa, B., Socolovschi, C., Almeras, L., Raoult, D., & Parola, P. (2015). Occurrence and Genotyping of *Coxiella burnetii* in Ixodid Ticks in Oromia, Ethiopia. *American Journal of Tropical Medicine and Hygiene*, 93(5), 1074-1081. <https://doi.org/10.4269/ajtmh.14-0758>
48. Ladbury, G. A., Van Leuken, J. P., Swart, A., Vellema, P., Schimmer, B., Ter Schegget, R., & Van der Hoek, W. (2015). Integrating interdisciplinary methodologies for One Health: goat farm re-implicated as the probable source of an urban Q fever outbreak, the Netherlands, 2009. *BMC Infect Dis*, 15, 372. <https://doi.org/10.1186/s12879-015-1083-9>
49. Lai, C.-H., Chang, L.-L., Lin, J.-N., Chen, W.-F., Wei, Y.-F., Chiu, C.-T., . . . Chen, Y.-H. (2014). Clinical Characteristics of Q Fever and Etiology of Community-Acquired Pneumonia in a Tropical Region of Southern Taiwan: A Prospective Observational Study. *Plos One*, 9(7), Article e102808. <https://doi.org/10.1371/journal.pone.0102808>
50. Lai, C.-H., Chang, L.-L., Lin, J.-N., Tsai, K.-H., Hung, Y.-C., Kuo, L.-L., . . . Chen, Y.-H. (2014). Human Spotted Fever Group Rickettsioses Are Underappreciated in Southern Taiwan, Particularly for the Species Closely-Related to *Rickettsia felis*. *Plos One*, 9(4), Article e95810. <https://doi.org/10.1371/journal.pone.0095810>
51. Lai, C. H., Huang, C. K., Chen, Y. H., Chang, L. L., Weng, H. C., Lin, J. N., . . . Lin, H. H. (2009). Epidemiology of acute Q fever, scrub typhus, and murine typhus, and identification of their clinical characteristics compared to patients with acute febrile illness in southern Taiwan. *Journal of the Formosan Medical Association*, 108(5), 367-376. [https://doi.org/10.1016/S0929-6646\(09\)60080-2](https://doi.org/10.1016/S0929-6646(09)60080-2)
52. Lai, C. H., Sun, W., Lee, C. H., Lin, J. N., Liao, M. H., Liu, S. S., . . . Chen, Y. H. (2017). The Epidemiology and Characteristics of Q fever and Co-infections with Scrub Typhus, Murine Typhus or Leptospirosis in Taiwan: A Nationwide Database Study. *Zoonoses and Public Health*, 64(7), 517-526. <https://doi.org/10.1111/zph.12333>
53. Loftis, A. D., Reeves, W. K., Miller, M. M., & Massung, R. F. (2012). *Coxiella burnetii*, the Agent of Q Fever, in Domestic Sheep Flocks from Wyoming, United States. *Vector-Borne and Zoonotic Diseases*, 12(3), 189-191. <https://doi.org/10.1089/vbz.2011.0760>

54. Lyytikäinen, O., Ziese, T., Schwartländer, B., Matzdorff, P., Kuhnhen, C., Jäger, C., & Petersen, L. (1998). An outbreak of sheep-associated Q fever in a rural community in Germany. *Eur J Epidemiol*, 14(2), 193-199. <https://doi.org/10.1023/a:1007452503863>
55. Ma, G. C., Norris, J. M., Mathews, K. O., Chandra, S., Šlapeta, J., Bosward, K. L., & Ward, M. P. (2020). New insights on the epidemiology of *Coxiella burnetii* in pet dogs and cats from New South Wales, Australia. *Acta Trop*, 205, 105416. <https://doi.org/10.1016/j.actatropica.2020.105416>
56. Marrie, T. J., van Buren, J., Faulkner, R. S., Haldane, E. V., Williams, J. C., & Kwan, C. (1984). Seroepidemiology of Q fever in Nova Scotia and Prince Edward Island. *Canadian Journal of Microbiology*, 30(1), 129-134. <https://doi.org/10.1139/m84-021>
57. Miller, W. R. (1964). OCCURRENCE AND GEOGRAPHIC-DISTRIBUTION OF Q-FEVER ANTIBODIES IN ALABAMA DAIRY-CATTLE. *Public Health Reports*, 79(9), 836-838. <https://doi.org/10.2307/4592256>
58. Morroy, G., Wielders, C. C. H., Kruisbergen, M. J. B., van der Hoek, W., Marcelis, J. H., Wegdam-Blans, M. C. A., . . . Schneeberger, P. M. (2013). Large Regional Differences in Serological Follow-Up of Q Fever Patients in The Netherlands. *PLoS ONE*, 8(4). <https://doi.org/10.1371/journal.pone.0060707>
59. Mulic, R., Petricevic, J., Kljajic, Z., Poljak, N. K., & Ropac, D. (2010). Q Fever in Croatia: War-Induced Changes in Epidemiological Characteristics. *Collegium Antropologicum*, 34(3), 859-864.
60. Nogareda, C., Jubert, A., Kantzoura, V., Kouam, M. K., Feidas, H., & Theodoropoulos, G. (2013). Geographical distribution modelling for *Neospora caninum* and *Coxiella burnetii* infections in dairy cattle farms in northeastern Spain. *Epidemiol Infect*, 141(1), 81-90. <https://doi.org/10.1017/s0950268812000271>
61. Nusinovici, S., Hoch, T., Widgren, S., Joly, A., Lindberg, A., & Beaudeau, F. (2014). Relative contributions of neighbourhood and animal movements to *Coxiella burnetii* infection in dairy cattle herds. *Geospat Health*, 8(2), 471-477. <https://doi.org/10.4081/gh.2014.36>
62. Okabayashi, T., Hasebe, F., Samui, K. L., Mweene, A. S., Pandey, S. G., Yanase, T., . . . Morita, C. (1999). Short report: Prevalence of antibodies

- against spotted fever, murine typhus, and Q fever rickettsiae in humans living in Zambia. *American Journal of Tropical Medicine and Hygiene*, 61(1), 70-72. <https://doi.org/10.4269/ajtmh.1999.61.70>
63. Pandit, P., Hoch, T., Ezanno, P., Beaudou, F., & Vergu, E. (2016). Spread of *Coxiella burnetii* between dairy cattle herds in an enzootic region: modelling contributions of airborne transmission and trade. *Veterinary Research*, 47, Article 48. <https://doi.org/10.1186/s13567-016-0330-4>
64. Pijnacker, R., Reimerink, J., Smit, L. A. M., van Gageldonk-Lafeber, A. B., Zock, J.-P., Borlee, F., . . . van der Hoek, W. (2017). Remarkable spatial variation in the seroprevalence of *Coxiella burnetii* after a large Q fever epidemic. *Bmc Infectious Diseases*, 17, Article 725. <https://doi.org/10.1186/s12879-017-2813-y>
65. Pilloux, L., Baumgartner, A., Jatou, K., Lienhard, R., Ackermann-Gäumann, R., Beuret, C., & Greub, G. (2019). Prevalence of *Anaplasma phagocytophilum* and *Coxiella burnetii* in *Ixodes ricinus* ticks in Switzerland: an underestimated epidemiologic risk. *New Microbes and New Infections*, 27, 22-26. <https://doi.org/10.1016/j.nmni.2018.08.017>
66. Proboste, T., Deressa, F. B., Li, Y., Kal, D. O., Gelalcha, B. D., & Soares Magalhaes, R. J. (2021). Geographical Variation in *Coxiella burnetii* Seroprevalence in Dairy Farms Located in South-Western Ethiopia: Understanding the Broader Community Risk. *Pathogens*, 10(6), Article 646. <https://doi.org/10.3390/pathogens10060646>
67. Rahaman, M. R., Milazzo, A., Marshall, H., & Bi, P. (2020). Spatial, temporal, and occupational risks of Q fever infection in South Australia, 2007-2017. *Journal of Infection and Public Health*, 13(4), 544-551. <https://doi.org/10.1016/j.jiph.2019.10.002>
68. Reedijk, M., van Leuken, J. P., & van der Hoek, W. (2013). Particulate matter strongly associated with human Q fever in The Netherlands: an ecological study. *Epidemiol Infect*, 141(12), 2623-2633. <https://doi.org/10.1017/s0950268813000460>
69. Rizzo, F., Vitale, N., Ballardini, M., Borromeo, V., Luzzago, C., Chiavacci, L., & Mandola, M. L. (2016). Q fever seroprevalence and risk factors in sheep and goats in northwest Italy. *Preventive Veterinary Medicine*, 130, 10-17. <https://doi.org/10.1016/j.prevetmed.2016.05.014>

70. Schimmer, B., Ter Schegget, R., Wegdam, M., Züchner, L., de Bruin, A., Schneeberger, P. M., . . . van der Hoek, W. (2010). The use of a geographic information system to identify a dairy goat farm as the most likely source of an urban Q-fever outbreak. *BMC Infect Dis*, 10, 69. <https://doi.org/10.1186/1471-2334-10-69>
71. Schroedle, B., & Held, L. (2011). A primer on disease mapping and ecological regression using INLA. *Computational Statistics*, 26(2), 241-258. <https://doi.org/10.1007/s00180-010-0208-2>
72. Seo, M.-G., Ouh, I.-O., & Kwak, D. (2018). Herd prevalence and genotypes of *Coxiella burnetii* in dairy cattle bulk tank milk in Gyeongsang provinces of South Korea. *Tropical Animal Health and Production*, 50(6), 1399-1404. <https://doi.org/10.1007/s11250-018-1564-0>
73. Smit, L. A. M., van der Sman-de Beer, F., Opstal-van Winden, A. W. J., Hooiveld, M., Beekhuizen, J., Wouters, I. M., . . . Heederik, D. (2012). Q Fever and Pneumonia in an Area with a High Livestock Density: A Large Population-Based Study. *Plos One*, 7(6), Article e38843. <https://doi.org/10.1371/journal.pone.0038843>
74. Soetens, L., Hahne, S., & Wallinga, J. (2017). Dot map cartograms for detection of infectious disease outbreaks: an application to Q fever, the Netherlands and pertussis, Germany. *Euro surveillance : bulletin Europeen sur les maladies transmissibles = European communicable disease bulletin*, 22(26). <https://doi.org/10.2807/1560-7917.es.2017.22.26.30562>
75. Tran, A., Gardon, J., Weber, S., & Polidori, L. (2002). Mapping disease incidence in suburban areas using remotely sensed data. *Am J Epidemiol*, 156(7), 662-668. <https://doi.org/10.1093/aje/kwf091>
76. Valiakos, G., Giannakopoulos, A., Spanos, S. A., Korbou, F., Chatzopoulos, D. C., Mavrogianni, V. S., . . . Billinis, C. (2017). Use of geographical information system and ecological niche model to analyse potential exposure of small ruminants to *Coxiella burnetii* infection in central Greece. *Small Ruminant Research*, 147, 77-82. <https://doi.org/10.1016/j.smallrumres.2016.12.042>
77. van den Berg, E. J., Wielders, C. C. H., Schneeberger, P. M., Wegdam-Blans, M. C., & van der Hoek, W. (2013). Spatial analysis of positive and negative Q fever laboratory results for identifying high- and low-risk areas of infection in

- the Netherlands. *Infection ecology & epidemiology*, 3. <https://doi.org/10.3402/iee.v3i0.20432>
78. Van Den Wijngaard, C. C., Dijkstra, F., Van Pelt, W., Van Asten, L., Kretzschmar, M., Schimmer, B., . . . Koopmans, M. P. G. (2011). In search of hidden Q-fever outbreaks: linking syndromic hospital clusters to infected goat farms. *Epidemiology and Infection*, 139(1), 19-26. <https://doi.org/10.1017/s0950268810001032>
79. Van Leuken, J. P. G., Swart, A. N., Brandsma, J., Terink, W., Van de Kasstele, J., Droogers, P., . . . Van der Hoek, W. (2016). Human Q fever incidence is associated to spatiotemporal environmental conditions. *One Health*, 2, 77-87. <https://doi.org/10.1016/j.onehlt.2016.03.004>
80. van Leuken, J. P. G., van de Kasstele, J., Sauter, F. J., van der Hoek, W., Heederik, D., Havelaar, A. H., & Swart, A. N. (2015). Improved correlation of human Q fever incidence to modelled *C. burnetii* concentrations by means of an atmospheric dispersion model. *International Journal of Health Geographics*, 14, Article 14. <https://doi.org/10.1186/s12942-015-0003-y>
81. Velasova, M., Damaso, A., Prakashbabu, B. C., Gibbons, J., Wheelhouse, N., Longbottom, D., . . . Guitian, J. (2017). Herd-level prevalence of selected endemic infectious diseases of dairy cows in Great Britain. *Journal of Dairy Science*, 100(11), 9215-9233. <https://doi.org/10.3168/jds.2016-11863>
82. Vilibic-Cavlek, T., Kucinar, J., Ljubin-Sternak, S., Kolaric, B., Kaic, B., Lazaric-Stefanovic, L., . . . Mlinaric-Galinovic, G. (2012). Prevalence of *Coxiella burnetii* Antibodies Among Febrile Patients in Croatia, 2008-2010. *Vector-Borne and Zoonotic Diseases*, 12(4), 293-296. <https://doi.org/10.1089/vbz.2011.0681>
83. Wardrop, N. A., Thomas, L. F., Cook, E. A. J., de Glanville, W. A., Atkinson, P. M., Wamae, C. N., & Fevre, E. M. (2016). The Sero-epidemiology of *Coxiella burnetii* in Humans and Cattle, Western Kenya: Evidence from a Cross-Sectional Study. *Plos Neglected Tropical Diseases*, 10(10), Article e0005032. <https://doi.org/10.1371/journal.pntd.0005032>
84. Weitzel, T., López, J., Acosta-Jamett, G., Edouard, S., Parola, P., & Abarca, K. (2016). Absence of convincing evidence of *Coxiella burnetii* infection in Chile: A cross-sectional serosurvey among healthy adults in four different

regions. *BMC Infectious Diseases*, 16(1). <https://doi.org/10.1186/s12879-016-1880-9>

85. Wood, C. M., Perkins, N. R., Tozer, S. J., Johnson, W., Barnes, T. S., McGowan, M., . . . Woldeyohannes, S. M. (2021). Prevalence and spatial distribution of *Coxiella burnetii* seropositivity in northern Australian beef cattle adjusted for diagnostic test uncertainty. *Prev Vet Med*, 189, 105282. <https://doi.org/10.1016/j.prevetmed.2021.105282>
86. Zendoia, I. I., Barandika, J. F., Hurtado, A., Lopez, C. M., Alonso, E., Beraza, X., . . . Garcia-Perez, A. L. (2021). Analysis of environmental dust in goat and sheep farms to assess *Coxiella burnetii* infection in a Q fever endemic area: Geographical distribution, relationship with human cases and genotypes. *Zoonoses and Public Health*, 68(6), 666-676. <https://doi.org/10.1111/zph.12871>