References used for systematic literature review in this study.

1. Adam JK, Varan AK, Pong AL, McDonald EC. Fatal Rat-Bite Fever in a Child—San Diego County, California, 2013. MMWR Morb Mortal Wkly Rep 2014;63(50):1210-1211.
2. Andre JM, Freydiere AM, Benito Y, Rousson A, Lansiaux S, Kodjo A, Mazzocchi C, Berthier JC, Vandenesch F, Floret D. Rat bite fever caused by *Streptobacillus moniliformis* in a child: human infection and rat carriage diagnosed by PCR. J Clin Pathol 2005 ;58(11):1215-1216; http://dx.doi.org/10.1136/jcp.2005.026401
3. Antwerpen MH, Georgi E, Nikolic A, Zoeller G, Wohlsein P, Baumgärtner W, Peyrefitte C, Charrel R, Meyer H. Use of next generation sequencing to study two cowpox virus outbreaks. PeerJ 2019;7:e6561; https://doi.org/10.7717/peerj.6561
4. Becker C, Kurth A, Hessler F, Kramp H, Gokel M, Hoffmann R, Kuczka A, Nitsche A. Cowpox virus infection in pet rat owners: not always immediately recognized. Dtsch Arztebl Int 2009;106(19):329; https://doi.org/10.3238%2Farztebl.2009.0329
5. Campe H, Zimmermann P, Glos K, Bayer M, Bergemann H, Dreweck C, Graf P, Weber BK, Meyer H, Büttner M, Busch U. Cowpox virus transmission from pet rats to humans, Germany. Emerg Infect Dis 2009;15(5):777; https://doi.org/10.3201%2Feid1505.090159
6. Cartwright EJ, Nguyen T, Melluso C, Ayers T, Lane C, Hodges A, Li X, Quammen J, Yendell SJ, Adams J, Mitchell J. A multistate investigation of antibiotic-resistant Salmonella enterica serotype I 4,[5], 12: i:-infections as part of an international outbreak associated with frozen feeder rodents. Zoonoses and Public Health. 2016;63(1):62-71; https://doi.org/10.1111/zph.12205
7. Centers for Disease Control and Prevention (CDC. Fatal rat-bite fever--Florida and Washington, 2003. MMWR. MMWR Morb Mortal Wkly Rep 2005;53(51):1198-1202.
8. Centers for Disease Control and Prevention (CDC. Outbreak of multidrug-resistant Salmonella typhimurium associated with rodents purchased at retail pet stores--United States, December 2003-October 2004. MMWR Morb Mortal Wkly Rep 2005;54(17):429-433.
9. Centers for Disease Control and Prevention (CDC. Notes from the Field: Infections with Salmonella I 4,[5], 12: i:-linked to exposure to feeder rodents-United States, August 2011-February 2012. MMWR Morb Mortal Wkly Rep 2012 ;61:277.
10. Cunningham BB, Paller AS, Katz BZ. Rat bite fever in a pet lover. J Am Acad Dermatol 1998;38(2):330-332; https://doi.org/10.1016/S0190-9622(98)70576-6

11. Cuperus T, de Vries A, Hoornweg TE, Fonville M, Jaarsma RI, Opsteegh M, Maas M. Seoul virus in pet and feeder rats in the Netherlands. Viruses 2021;13(3):443; https://doi.org/10.3390/v13030443
12. d'Ovidio D, Noviello E, Pepe P, Del Prete L, Cringoli G, Rinaldi L. Survey of *Hymenolepis* spp. in pet rodents in Italy. Parasitol Res 2015;114:4381-4384; https://doi.org/10.1007/s00436-015-4675-9
13. Dammann P, Hilken G, Hueber B, Köhl W, Bappert MT, Mähler M. Infectious microorganisms in mice (*Mus musculus*) purchased from commercial pet shops in Germany. Lab Anim 2011 ;45(4):271-275; https://doi.org/10.1258%2Fla.2011.010183
14. D'Cruze N, Bates J, Assou D, Ronfot D, Coulthard E, Segniagbeto GH, Auliya M, Megson D, Rowntree J. A preliminary assessment of bacteria in "ranched" ball pythons (*Python regius*), Togo, West Africa. Nat Conserv 2020;39:73-86; https://doi.org/10.3897/natureconservation.39.48599
15. d'Ovidio D, Santoro D. Survey of zoonotic dermatoses in client-owned exotic pet mammals in southern Italy. Zoonoses and Public Health 2015;62(2):100-104; https://doi.org/10.1111/zph.12100
16. Downing ND, Dewnany GD, Radford PJ. A rare and serious consequence of a rat bite. Annals of the Royal College of Surgeons of England. 2001 Jul;83(4):279.
17. Ducournau C, Ferrier-Rembert A, Ferraris O, Joffre A, Favier AL, Flusin O, Van Cauteren D, Kecir K, Auburtin B, Védy S, Bessaud M. Concomitant human infections with 2 cowpox virus strains in related cases, France, 2011. Emerg Infect Dis 2013;19(12):1996-1999; https://doi.org/10.3201%2Feid1912.130256
18. Duggan JM, Close R, McCann L, Wright D, Keys M, McCarthy N, Mannes T, Walsh A, Charlett A, Brooks TJ. A seroprevalence study to determine the frequency of hantavirus infection in people exposed to wild and pet fancy rats in England. Epidemiol Infect 2017 Sep;145(12):2458-2465; https://doi.org/10.1017/S0950268817001480
19. Elsendoorn A, Agius G, Le Moal G, Aajaji F, Favier AL, Wierzbicka-Hainault E, Béraud G, Flusin O, Crance JM, Roblot F. Severe ear chondritis due to cowpox virus transmitted by a pet rat. J Infect Dis 2011;63(5):391-393; https://doi.org/10.1016/j.jinf.2011.06.004
20. Fabian NJ, Mannion AJ, Feng Y, Madden CM, Fox JG. Intestinal colonization of genotoxic *Escherichia coli* strains encoding colibactin and cytotoxic necrotizing factor in small mammal pets. Vet Microbiol 2020;240:108506; https://doi.org/10.1016/j.vetmic.2019.108506

21. Fill MM, Mullins H, May AS, Henderson H, Brown SM, Chiang CF, Patel NR, Klena JD, Maurice AD, Knust B, Nichol ST. Notes from the field: multiple cases of Seoul virus infection in a household with infected pet rats—Tennessee, December 2016–April 2017. MMWR Morb Mortal Wkly Rep 2017;66(40):1081-1082; https://doi.org/10.15585%2Fmmwr.mm6640a4
22. Friedmann CT, Spiegel EL, Aaron ED, McIntyre R. *Leptospirosis ballum* contracted from pet mice. Calif Med 1973; 118(6): 51–52.
23. Fuller CC, Jawahir SL, Leano FT, Bidol SA, Signs K, Davis C, Holmes Y, Morgan J, Teltow G, Jones B, Sexton RB. A multi-state Salmonella Typhimurium outbreak associated with frozen vacuum-packed rodents used to feed snakes. Zoonoses and Public Health 2008;55(8-10):481-487; https://doi.org/10.1111/j.1863-2378.2008.01118.x
24. Gaudie CM, Featherstone CA, Phillips WS, McNaught R, Rhodes PM, Errington J, Fearnley C, Fenner JS, Pritchard GC. Human *Leptospira interrogans* serogroup icterohaemorrhagiae infection (Weil's disease) acquired from pet rats. Vet Rec 2008;163(20):599-601; https://doi.org/10.1136/vr.163.20.599
25. Guerra B, Schneider T, Luge E, Draeger A, Moos V, Loddenkemper C, Jansen A, Nöckler K. Detection and characterization of Leptospira interrogans isolates from pet rats belonging to a human immunodeficiency virus-positive patient with leptospirosis. J Med Microbiol 2008;57(1):133-135; https://doi.org/10.1099/jmm.0.47452-0
26. Harker KS, Lane C, De Pinna E, Adak GK. An outbreak of Salmonella Typhimurium DT191a associated with reptile feeder mice. Epidemiol Infect 2011;139(8):1254-1261; https://doi.org/10.1017/S0950268810002281
27. Hayashimoto N, Morita H, Ishida T, Uchida R, Tanaka M, Ozawa M, Yasuda M, Itoh T. Microbiological survey of mice (*Mus musculus*) purchased from commercial pet shops in Kanagawa and Tokyo, Japan. Exp Anim 2015;64(2):155-160; https://doi.org/10.1538/expanim.14-0087
28. Hryciw BN, Wright CP, Tan K. Rat bite fever in BC: 2010–2016. CCDR 2018;44(9):215-219; https://doi.org/10.14745/ccdr.v44i09a05
29. Jarošová J, Antolová D, Šnábel V, Miklisová D, Cavallero S. The dwarf tapeworm *Hymenolepis nana* in pet rodents in Slovakia—epidemiological survey and genetic analysis. Parasitol Res 2020;119:519-527; https://doi.org/10.1007/s00436-019-06565-7

30. Jarošová J, Antolová D, Zalesny G, Halán M. Oxyurid nematodes of pet rodents in Slovakia-a neglected zoonotic threat. Revista Brasileira de Parasitologia Veterinária. 2019 30;29(1): e014319; https://doi.org/10.1590/S1984-29612019072
31. Kanagarajah S, Waldram A, Dolan G, Jenkins C, Ashton PM, Martin AI, Davies R, Frost A, Dallman TJ, De Pinna EM, Hawker JI. Whole genome sequencing reveals an outbreak of Salmonella Enteritidis associated with reptile feeder mice in the United Kingdom, 2012-2015. Food Microbiol 2018;71:32-38; https://doi.org/10.1016/j.fm.2017.04.005
32. Kerins JL, Koske SE, Kazmierczak J, Austin C, Gowdy K, Dibernardo A, Group CS, Achenbach J, Baber J, Balsamo G, Behravesh CB. Outbreak of Seoul virus among rats and rat owners—United States and Canada, 2017. MMWR Morb Mortal Wkly Rep 2018; 67(4): 131-134; https://doi.org/10.15585%2Fmmwr.mm6704a5
33. Knust B, Brown S, de St. Maurice A, Whitmer S, Koske SE, Ervin E, Patel K, Graziano J, Morales-Betoulle ME, House J, Cannon D. Seoul virus Infection and spread in United States home-based ratteries: Rat and human testing results from a multistate outbreak investigation. J Infect Dis 2020;222(8):1311-1319; https://doi.org/10.1093/infdis/jiaa307
34. Knust B, Ströher U, Edison L, Albariño CG, Lovejoy J, Armeanu E, House J, Cory D, Horton C, Fowler KL, Austin J. Lymphocytic choriomeningitis virus in employees and mice at multipremises feeder-rodent operation, United States, 2012. Emerg Infect Dis 2014; 20(2): 240-247.; https://doi.org/10.3201%2Feid2002.130860
35. Lee KM, McReynolds JL, Fuller CC, Jones B, Herrman TJ, Byrd JA, Runyon M. Investigation and characterization of the frozen feeder rodent industry in Texas following a multi-state Salmonella Typhimurium outbreak associated with frozen vacuum-packed rodents. Zoonoses and Public Health. 2008;55(8-10):488-496; https://doi.org/10.1111/j.1863-2378.2008.01165.x
36. Lund KM, Steinbakk M. A woman in her twenties with headache, fever and a rash. Tidsskr Nor Legeforen 2020;140(13); https://doi.org/10.4045/tidsskr.19.0673
37. Lundkvist Å, Verner-Carlsson J, Plyusnina A, Forslund L, Feinstein R, Plyusnin A. Pet rat harbouring Seoul hantavirus in Sweden, June 2013. Euro Surveill 2013;18(27):20521; https://doi.org/10.2807/1560- 7917.ES2013.18.27.20521
38. Maas M, van Heteren M, de Vries A, Kuiken T, Hoornweg T, Veldhuis Kroeze E, Rockx B. Seoul virus tropism and pathology in naturally infected feeder rats. Viruses 2019;11(6):531; https://doi.org/10.3390/v11060531

39. Marin C, Martelli F, Rabie A, Davies R. Commercial frozen mice used by owners to feed reptiles are highly externally contaminated with Salmonella Enteritidis PT8. Vector-Borne Zoonotic Dis 2018;18(9):453-457; https://doi.org/10.1089/vbz.2018.2295
40. McElhinney LM, Marston DA, Pounder KC, Goharriz H, Wise EL, Verner-Carlsson J, Jennings D, Johnson N, Civello A, Nunez A, Brooks T. High prevalence of Seoul hantavirus in a breeding colony of pet rats. Epidemiol Infect 2017;145(15):3115-124; https://doi.org/10.1017/S0950268817001819
41. Mignard S, Aubry-Rozier B, de Montclos M, Llorca G, Carret G. Pet-rat bite fever and septic arthritis: molecular identification of Streptobacillus moniliformis. Med Mal Infect 2007;37(5):293-294; https://doi.org/10.1016/j.medmal.2006.11.005
42. Mori M, Bourhy P, Le Guyader M, Van Esbroeck M, Djelouadji Z, Septfons A, Kodjo A, Picardeau M. Pet rodents as possible risk for leptospirosis, Belgium and France, 2009 to 2016. Euro Surveill 2017;22(43):16-00792; https://doi.org/10.2807/1560-7917.ES.2017.22.43.16-00792
43. Ninove L, Domart Y, Vervel C, Voinot C, Salez N, Raoult D, Meyer H, Capek I, Zandotti C, Charrel RN. Cowpox virus transmission from pet rats to humans, France. Emerg Infect Dis 2009; 15(5): 781-781; https://doi.org/10.3201%2Feid1505.090235
44. Nordholm AC, Omland LH, Villumsen S, Al-Subeihe I, Katzenstein TL. Leptospirosis meningitis transmission from a pet mouse: a case report. J Med Case Rep 2019;13(1):362; https://doi.org/10.1186/s13256-019-2265-7
45. Panti-May JA, Caraveo-Centeno L, Hernández-Betancourt SF, Robles MD, Machain-Williams C. Survey of intestinal helminths collected from pet rodents in México. Parasitol Res 2017;116:3239-3242; https://doi.org/10.1007/s00436-017-5626-4
46. Plotogea A, Taylor M, Parayno A, Sillje M, Stone J, Byrnes R, Bitzikos O, Redford T, Waters S, Fraser E, Hoang L. Human Salmonella enteritidis illness outbreak associated with exposure to live mice in British Columbia, Canada, 2018–2019. Zoonoses and Public Health. 2022;69(7):856-863; https://doi.org/10.1111/zph.12978
47. Prapasarakul N, Pulsrikarn C, Vasaruchapong T, Lekcharoen P, Chanchaithong P, Lugsomya K, Keschumras N, Thanomsuksinchai N, Tanchiangsai K, Tummaruk P. Salmonella serovar distribution in cobras (*Naja kaouthia*), snake-food species, and farm workers at Queen Saovabha Snake Park, Thailand. J Vet Diagn Invest 2012;24(2):288-294; https://doi.org/10.1177%2F1040638711434110

48. Reeves WK, Cobb KD. Ectoparasites of house mice (*Mus musculus*) from pet stores in South Carolina, USA. Comp Parasitol 2005;72(2):193-195; https://doi.org/10.1654/4178

49. Reynes JM, Carli D, Bour JB, Boudjeltia S, Dewilde A, Gerbier G, Nussbaumer T, Jacomo V, Rapt MP, Rollin PE, Septfons A. Seoul virus infection in humans, France, 2014–2016. Emerg Infect Dis 2017; 23(6): 973-977; https://doi.org/10.3201%2Feid2306.160927

50. Roble GS, Gillespie V, Lipman NS. Infectious disease survey of Mus musculus from pet stores in New York City. J Am Assoc Lab Anim Sci 2012;51(1):37-41.

51. Roczek A, Forster C, Raschel H, Hörmansdorfer S, Bogner KH, Hafner-Marx A, Lepper H, Dobler G, Büttner M, Sing A. Severe course of rat bite-associated Weil's disease in a patient diagnosed with a new Leptospira-specific real-time quantitative LUX-PCR. J Med Microbiol 2008;57(5):658-663; https://doi.org/10.1099/jmm.0.47677-0

52. Rygg M, Bruun CF. Rat bite fever (*Streptobacillus moniliformis*) with septicemia in a child. Scand J Infect Dis 1992;24(4):535-540; https://doi.org/10.3109/00365549209052641

53. Shepherd JG, Blunsum AE, Carmichael S, Smollett K, Maxwell-Scott H, Farmer EC, Osborne J, MacLean A, Ashraf S, Shah R, Gunson R. Seoul virus associated with pet rats, scotland, uk, 2019. Emerg Infect Dis 2021; 27(10): 2677-2680; https://doi.org/10.3201%2Feid2710.211298

54. Shvartsblat S, Kochie M, Harber P, Howard J. Fatal rat bite fever in a pet shop employee. Am J Ind Med 2004;45(4):357-360; https://doi.org/10.1002/ajim.10359

55. Stone WB, Manwell RD. Potential helminth infections in humans from pet or laboratory mice and hamsters. Public Health Rep 1966;81(7):647-653.

56. Suzuki K, Hirai Y, Morita F, Nakamura A, Uehara Y, Naito T. *Streptobacillus moniliformis* bacteremia in a pet shop employee: case report and literature review. Open Forum Infect Dis 2017;4(2):ofx038; https://doi:10.1093/ofid/ofx038.

57. Swanink C, Reimerink J, Gisolf J, de Vries A, Claassen M, Martens L, Waegemaekers T, Rozendaal H, Valkenburgh S, Hoornweg T, Maas M. Autochthonous human case of Seoul virus infection, the Netherlands. Emerg Infect Dis 2018; 24(12): 2158-2163; https://doi.org/10.3201%2Feid2412.180229

58. Swanson SJ, Snider C, Braden CR, Boxrud D, Wünschmann A, Rudroff JA, Lockett J, Smith KE. Multidrug-resistant Salmonella enterica serotype Typhimurium associated with pet rodents. N Engl J Med 20074;356(1):21-28; https://doi.org/10.1056/NEJMoa060465

59. Taori SK, Jameson LJ, Campbell A, Drew PJ, McCarthy ND, Hart J, Osborne JC, Sudhanva M, Brooks TJ. UK hantavirus, renal failure, and pet rats. The Lancet 2013;381(9871):1070; https://doi.org/10.1016/S0140-6736(13)60599-1

60. Vogel S, Sardy M, Glos K, Korting HC, Ruzicka T, Wollenberg A. The Munich outbreak of cutaneous cowpox infection: transmission by infected pet rats. Acta Derm Venereol 2012; 92(2):1126-1131; https://doi.org/10.2340/00015555-1227

61. Vrbova L, Sivanantharajah S, Walton R, Whitfield Y, Lee C, Picard I, Chapinal N, Gaulin C, Tschetter L, Tataryn J. Outbreak of Salmonella Typhimurium associated with feeder rodents. Zoonoses and Public Health. 2018;65(4):386-394; https://doi.org/10.1111/zph.12442

62. Wang J, Lv C, Zhao D, Zhu R, Li C, Qian W. First detection and genotyping of Enterocytozoon bieneusi in pet fancy rats (*Rattus norvegicus*) and guinea pigs (*Cavia porcellus*) in China. Parasite 2020;27; https://doi.org/10.1051%2Fparasite%2F2020019