

# Qualitative assessment of the risk of SARS-CoV-2 to human health through food exposures to deer in the UK: References

- [BfR \(German Federal Institute for Risk Assessment\). 2022.](#) 'Can SARS-CoV-2 Be Transmitted Via Food And Objects?'
- [CDC. 2020.](#) '[Information about Drinking Water, Treated Recreational Water, and Wastewater](#)'. Centers for Disease Control and Prevention. 11 February 2020.
- Chin, Alex W. H., Julie T. S. Chu, Mahen R. A. Perera, Kenrie P. Y. Hui, Hui-Ling Yen, Michael C. W. Chan, Malik Peiris, and Leo L. M. Poon. 2020. 'Stability of SARS-CoV-2 in Different Environmental Conditions'. *The Lancet Microbe* 0 (0). [https://doi.org/10.1016/S2666-5247\(20\)30003-3](https://doi.org/10.1016/S2666-5247(20)30003-3).
- Damas, Joana, Graham M. Hughes, Kathleen C. Keough, Corrie A. Painter, Nicole S. Persky, Marco Corbo, Michael Hiller, et al. 2020. 'Broad Host Range of SARS-CoV-2 Predicted by Comparative and Structural Analysis of ACE2 in Vertebrates'. *Proceedings of the National Academy of Sciences of the United States of America* 117 (36): 22311–22. <https://doi.org/10.1073/pnas.2010146117>.
- Darnell, Miriam E. R., Kanta Subbarao, Stephen M. Feinstone, and Deborah R. Taylor. 2004. 'Inactivation of the Coronavirus That Induces Severe Acute Respiratory Syndrome, SARS-CoV'. *Journal of Virological Methods* 121 (1): 85–91. <https://doi.org/10.1016/j.jviromet.2004.06.006>.
- '[Deer Heart Recipes, Deer Liver Recipes, Venison Offal Recipes](#)'. 2008. Hunter Angler Gardener Cook. 25 January 2008.
- DEFRA. 2021. '[Farming Statistics - Land Use, Livestock Populations and Agricultural Workforce as at 1 June 2021, England](#)'. GOV.UK. 28 October 2021.
- Defra. 2022. 'What Is the Risk of SARS-CoV-2 Being Introduced into the Cervid Population in Great Britain?'
- Ding, Yanqing, Li He, Qingling Zhang, Zhongxi Huang, Xiaoyan Che, Jinlin Hou, Huijun Wang, et al. 2004. 'Organ Distribution of Severe Acute Respiratory Syndrome (SARS) Associated Coronavirus (SARS-CoV) in SARS Patients: Implications for Pathogenesis and Virus Transmission Pathways'. *The Journal of Pathology* 203 (2): 622–30. <https://doi.org/10.1002/path.1560>.
- Farm Animal Welfare Commission. 2013. '[FAWC Opinion on the Welfare of Farmed and Park Deer](#)' (PDF).
- Fisher, Dale, Alan Reilly, Adrian Kang Eng Zheng, Alex Cook, and Danielle Anderson. 2021. 'Seeding of Outbreaks of COVID-19 by Contaminated Fresh and Frozen Food'. *bioRxiv*. <https://doi.org/10.1101/2020.08.17.255166>.
- FSA. 2020. '[Qualitative Risk Assessment on the Risk of Food or Food Contact Materials as a Transmission Route for SARS-CoV-2](#)'. Food Standards Agency. 12 June 2020.
- Gavin, Christine, Davin Henderson, Sylvie L. Benestad, Marion Simmons, and Amie Adkin. 2019a. 'Estimating the Amount of Chronic Wasting Disease Infectivity Passing through Abattoirs and Field Slaughter'. *Preventive Veterinary Medicine* 166 (May): 28–38. <https://doi.org/10.1016/j.prevetmed.2019.02.016>.
- GOV.UK. n.d. '[Cases in the UK | Coronavirus in the UK](#)'. Accessed 1 March 2022.
- Hamming, I., W. Timens, M. L. C. Bulhuis, A. T. Lely, G. J. Navis, and H. van Goor. 2004. 'Tissue Distribution of ACE2 Protein, the Functional Receptor for SARS Coronavirus. A First Step in Understanding SARS Pathogenesis'. *The Journal of Pathology* 203 (2):

- 631–37. <https://doi.org/10.1002/path.1570>.
- Hemida, M. G., A. Elmoslemany, F. Al-Hizab, A. Alnaeem, F. Almathen, B. Faye, D. K. W. Chu, R. A. P. M. Perera, and M. Peiris. 2017. 'Dromedary Camels and the Transmission of Middle East Respiratory Syndrome Coronavirus (MERS-CoV)'. *Transboundary and Emerging Diseases* 64 (2): 344–53. <https://doi.org/10.1111/tbed.12401>.
  - Holding, Maya, Ashley David Otter, Stuart Dowall, Katsuhisa Takumi, Bethany Hicks, Tom Coleman, Georgia Hemingway, et al. 2022. 'Screening of Wild Deer Populations for Exposure to SARS-CoV-2 in the United Kingdom, 2020–2021'. *Transboundary and Emerging Diseases* n/a (n/a). <https://doi.org/10.1111/tbed.14534>.
  - ICMSF. 2020. '[ICMSF Opinion on SARS-CoV-2 and Its Relationship to Food Safety](#)' (PDF).
  - Letko, Michael, Andrea Marzi, and Vincent Munster. 2020. 'Functional Assessment of Cell Entry and Receptor Usage for SARS-CoV-2 and Other Lineage B Betacoronaviruses'. *Nature Microbiology* 5 (4): 562–69. <https://doi.org/10.1038/s41564-020-0688-y>.
  - Li, Meng-Yuan, Lin Li, Yue Zhang, and Xiao-Sheng Wang. 2020. 'Expression of the SARS-CoV-2 Cell Receptor Gene ACE2 in a Wide Variety of Human Tissues'. *Infectious Diseases of Poverty* 9 (1): 45. <https://doi.org/10.1186/s40249-020-00662-x>.
  - Locas, Annie, Julie Brassard, Megan Rose-Martel, Dominic Lambert, Alyssa Green, Anne Deckert, and Michelle Illing. 2022. 'Comprehensive Risk Pathway of the Qualitative Likelihood of Human Exposure to Severe Acute Respiratory Syndrome Coronavirus 2 from the Food Chain' 85 (1). <https://doi.org/10.4315/JFP-21-218>.
  - Moreira-Soto, Andres, Christian Walzer, Gábor Á Czirják, Martin H. Richter, Stephen F. Marino, Annika Posautz, Pau De Yebra Rodo, Gayle K. McEwen, Jan Felix Drexler, and Alex D. Greenwood. 2022. 'Serological Evidence That SARS-CoV-2 Has Not Emerged in Deer in Germany or Austria during the COVID-19 Pandemic'. *Microorganisms* 10 (4): 748. <https://doi.org/10.3390/microorganisms10040748>.
  - Munro, RANALD. 2002. '[Report on the Deer Industry in Great Britain](#)' (PDF).
  - New Zealand Food Safety Science and Research Centre. 2022. '[POTENTIAL FOR FOODBORNE TRANSMISSION OF COVID-19: LITERATURE REVIEW UPDATE VERSION 7](#)' (PDF). 2022.
  - NHS. 2021. '[Long-Term Effects of Coronavirus \(Long COVID\)](#)'. [Nhs.Uk](https://www.nhs.uk). 7 January 2021.
  - Palmer, Mitchell V., Mathias Martins, Shollie Falkenberg, Alexandra Buckley, Leonardo C. Caserta, Patrick K. Mitchell, Eric D. Cassmann, et al. 2021. 'Susceptibility of White-Tailed Deer (*Odocoileus Virginianus*) to SARS-CoV-2'. *Journal of Virology*, March. <https://doi.org/10.1128/JVI.00083-21>.
  - Pendley, Michael. 2019. '[How to Cook Deer Organs & Offal - Petersen's Hunting](#)'. *Petersens Hunting*. 3 October 2019.
  - PHE, and APHA. 2018. '[Raw Pet Foods: Handling and Preventing Infection](#)'. [GOV.UK](https://www.gov.uk). 17 October 2018.
  - '[Recipe: Venison Tartare](#)'. 2013. *Hunter-Eater* (blog). 13 November 2013.
  - Rowan, Neil J., Elaine Meade, and Mary Garvey. 2021. 'Efficacy of Frontline Chemical Biocides and Disinfection Approaches for Inactivating SARS-CoV-2 Variants of Concern That Cause Coronavirus Disease with the Emergence of Opportunities for Green Eco-Solutions'. *Current Opinion in Environmental Science & Health* 23 (October): 100290. <https://doi.org/10.1016/j.coesh.2021.100290>.
  - Scottish Venison. 2020. '[UK Venison Facts 2019-2020](#)' (PDF), April.
  - '[The Complete Guide to Cooking and Eating Venison Offal](#)'. 2019. *Field & Stream* (blog). 25 November 2019.
  - The Deer Initiative. 2009. '[Carcass Inspection - Meat Hygiene Best Practice Guides](#)'. 20 February 2009.
  - UKHSA and PHS. 2022. 'Qualitative Assessment of the Risk of SARS-COV-2 to Human Health through Non-Food Exposures to Deer in the UK'.
  - Upadhyay, Manisha. 2018. '[Risk of Infection from Chronic Wasting Disease Prions and Atypical Chronic Wasting Disease Prions via Consuming Cervid Meat](#)' (PDF), June.
  - US EPA, OA. 2020. '[Coronavirus and Drinking Water and Wastewater](#)'. *Overviews and Factsheets*. 11 March 2020.

- USDA Animal and Plant Health Inspection Service. 2021. 'Questions and Answers: Results of Study on SARS-CoV2 in White-Tailed Deer', 2.
- '[Venison Tartare Recipe - How to Safely Make Venison Tartare](#)'. 2013. Hunter Angler Gardener Cook. 15 May 2013.
- Walls, Alexandra C., Young-Jun Park, M. Alejandra Tortorici, Abigail Wall, Andrew T. McGuire, and David Veessler. 2020. 'Structure, Function, and Antigenicity of the SARS-CoV-2 Spike Glycoprotein'. *Cell* 181 (2): 281-292.e6. <https://doi.org/10.1016/j.cell.2020.02.058>.
- WHO. 2020. '[Coronavirus Disease \(COVID-19\): Food Safety for Consumers](#)'. 14 August 2020.
- WHO. 2022. '[Coronavirus](#)'. 2022.
- Wit, Emmie de, Neeltje van Doremalen, Darryl Falzarano, and Vincent J. Munster. 2016. 'SARS and MERS: Recent Insights into Emerging Coronaviruses'. *Nature Reviews Microbiology* 14 (8): 523–34. <https://doi.org/10.1038/nrmicro.2016.81>.
- WOA. 2022. '[COVID-19](#)'. [WOAH - World Organisation for Animal Health \(blog\)](#). 2022.
- Xiao, Fei, Meiwen Tang, Xiaobin Zheng, Chunna Li, Jianzhong He, Zhongsi Hong, Siwen Huang, et al. 2020. 'Evidence for Gastrointestinal Infection of SARS-CoV-2'. *MedRxiv*, February, 2020.02.17.20023721. <https://doi.org/10.1101/2020.02.17.20023721>.