

Impact of labour shortages: References

- Addy, R. (2022a, January 9). [Meat wholesalers warning over labour crisis and soaring costs \(foodmanufacture.co.uk\)](https://www.foodmanufacture.co.uk)
- Addy, R. (2022b, March 9). 2 Sisters warns food inflation could soar to 15% by mid-year. FOOD Manufacture. [Top food firm warns of pending food inflation crisis \(foodmanufacture.co.uk\)](https://www.foodmanufacture.co.uk)
- Azizi Fard, N., de Francisci Morales, G., Mejova, Y., & Schifanella, R. (2021). On the interplay between educational attainment and nutrition: a spatially aware perspective. EPJ Data Science, 10(1), 18. <https://doi.org/10.1140/epjds/s13688-021-00273-y>
- Bailey, A. (2021) [The safety net beneath the safety net? - North East Child Poverty Commission | Every child deserves an equal chance in life. \(nechildpoverty.org.uk\)](https://www.nechildpoverty.org.uk), accessed 14.10.22. <https://doi.org/10.1377/forefront.20110620.011850>
- Barbulescu, R., Vargas-Silva, C., and Robertson, B. (2021) Written Evidence submitted by Dr Roxana Barbulescu, Prof. Carlos Vargas-Silva and Dr Bethany Robertson (LS0035). [Written evidence to the Environment, Food and Rural Affairs Committee \(Parliament.UK\)](https://www.parliament.uk)
- Berkhout, N. (2021, August 30). August Business Update: What's new in the world of poultry? Poultry World. [August Business Update: What's new in the world of poultry? - Poultry World](https://www.poultryworld.co.uk)
- Bramley, G., Treanor, M., Sosenko, F., & Littlewood, M. (2021). State of Hunger: Building the evidence on poverty, destitution, and food insecurity in the UK. The Trussell Trust. [State of Hunger - The Trussell Trust](https://www.trusselltrust.org)
- British Meat Processors Association (2022). Meat industry workforce. British Meat Processors Association. [UK Meat industry workforce - BMPA \(britishmeatindustry.org\)](https://www.britishmeatindustry.org)
- Broadway, M (2007) Meatpacking and the transformation of rural communities: A comparison of Brooks, Alberta and Garden City, Kansas. Rural Sociology 72(4), pp. 560–582. <https://doi.org/10.1526/003601107782638701>
- Brockotter, F. (2022, March 11). Full focus on sustainable poultry production with DSM. Poultry World. [Full focus on sustainable poultry production with DSM - Poultry World](https://www.poultryworld.co.uk)
- Christopher, M., & Peck, H. (2004). Building the resilient supply chain. Journal of Logistics Management, 15(2), 1–13. <https://doi.org/10.1108/09574090410700275>
- Craig, G., Gaus, A., Wilkinson, M. Skrivankova, K. and McQuade, A. (2007) Contemporary slavery in the UK Overview and key issues. York, Joseph Rowntree Foundation.
- Department for Environment, Food and Rural Affairs (Defra) (2020) Code of Practice for the Welfare of Pigs, [Pigs: on-farm welfare - GOV.UK \(www.gov.uk\)](https://www.gov.uk), accessed 18.04.23.
- Department for Environment, Food and Rural Affairs (Defra) (2021) Industry given certainty around seasonal workers but told to focus on domestic workforce, News Story, 24th December [Industry given certainty around seasonal workers but told to focus on domestic workforce - GOV.UK \(www.gov.uk\)](https://www.gov.uk), accessed 18.04.23.
- Department for Environment, Food and Rural Affairs (Defra) (2022a) Automation in horticulture review. Independent report. [Automation in horticulture review - GOV.UK \(www.gov.uk\)](https://www.gov.uk) accessed 14.10.22
- Department for Environment, Food and Rural Affairs (Defra) (2022b). Farming statistics: Pig populations at 1 December 2021, England. [Livestock populations: Pigs at 1 December 2021, England - GOV.UK \(www.gov.uk\)](https://www.gov.uk)

- Department for International Trade. (2022). Trade and investment fact sheet: Ukraine. [Trade and investment factsheets \(partner names beginning with T to V\) - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/publications/trade-and-investment-factsheets-partner-names-beginning-with-t-to-v)
- Driver, A. (2021, October 2). NPA urges retailers to prioritise British pork over imports to help ease backlog Pig World. [NPA urges retailers to prioritise British pork over imports to help ease backlog | Pig World \(pig-world.co.uk\)](https://www.pig-world.co.uk/news/npa-urges-retailers-to-prioritise-british-pork-over-imports-to-help-ease-backlog/)
- Driver, A. (2022a). Pig industry crisis: Blog. Pig World. Pig industry crisis - NPA blog, Dec 23, 2022: [Carcase weights coming down as SPP continues to rise; Recognition for pig farming's 'front row' \(npa-uk.org.uk\)](https://www.pig-world.co.uk/news/carcase-weights-coming-down-as-spp-continues-to-rise-recognition-for-pig-farming-s-front-row/)
- Driver, A. (2022b, March 23). UK pig price needs to increase urgently to protect future supplies of British pork – Karro boss. Pig World. [UK pig price needs to increase urgently to protect future supplies of British pork – Karro boss | Pig World \(pig-world.co.uk\)](https://www.pig-world.co.uk/news/uk-pig-price-needs-to-increase-urgently-to-protect-future-supplies-of-british-pork-karro-boss/), <https://doi.org/10.1079/9780851995328.0123>
- Driver and Vehicle Standards Agency. (2021). Large goods vehicle (LGV) driving test data by test centre. [Large goods vehicle \(LGV\) driving test data by test centre - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/publications/large-goods-vehicle-lgv-driving-test-data-by-test-centre)
- Driver Require Website: [IR35 for HGV, Truck, and LGV Drivers: Here's What You Need to Know \(driverrequire.co.uk\)](https://www.driverrequire.co.uk/)
- EFRA (2021/2) Select committee evidence to inquiry into shortages in labour, [UK labour supply - Committees - UK Parliament](https://www.parliament.uk/business/committees/committees-a-z/european-affairs/european-farm-funding-select-committee/evidence/evidence-to-the-select-committee-on-european-farm-funding/), accessed 18.04.23
- Evans, J. (2021, November 29). UK pig farmers take desperate measures in face of soaring costs. The Financial Times. [UK pig farmers take desperate measures in face of soaring costs | Financial Times \(ft.com\)](https://www.ft.com/content/2021/11/29/uk-pig-farmers-take-desperate-measures-in-face-of-soaring-costs)
- Eustice, G. (2022, February 22). Environment Secretary speech at NFU Conference 22 February 2022. Department for Environment Food and Rural Affairs. [Environment Secretary speech at NFU Conference 22 February 2022 - GOV.UK \(www.gov.uk\)](https://www.gov.uk/government/speeches/environment-secretary-speech-at-nfu-conference-22-february-2022), <https://doi.org/10.4324/9781003309994-7>
- FAIRR (2022) Meat: ESG Risks and Performance in the Meat Sector. Collier FAIRR Protein Producer Index 2021/22
- FAO (2006) [Policy Brief Issue 2 Policy Brief: Food Security - Issue 2, June 2006 - World | ReliefWeb](https://www.reliefweb.org/publications/policy-brief-issue-2-policy-brief-food-security-issue-2-june-2006), accessed 14.10.22
- FAO (2020). The State of World Fisheries and Aquaculture 2020. Sustainability in action. Available at: [The State of World Fisheries and Aquaculture 2020 \(fao.org\)](https://www.fao.org/publications/default.asp?lang=en&_id=34777&_cid=1300000), accessed 14.10.22
- Food & Drink Federation. (2021). Eating into household budgets: The Government's recipe for food price inflation. [Eating into household budgets: the Government's recipe for food price inflation | The Food & Drink Federation \(fdf.org.uk\)](https://www.fdf.org.uk/news/eating-into-household-budgets-the-governments-recipe-for-food-price-inflation/)
- Food & Drink Federation (2022) State of Industry Report, Q2 2022 [State of industry report Q2 2022 | The Food & Drink Federation \(fdf.org.uk\)](https://www.fdf.org.uk/news/state-of-industry-report-q2-2022), accessed 14.10.22
- Food Standards Agency. (2022). [The FSA strategy for 2022 to 2027. Foreword - A changing food system | Food Standards Agency](https://www.food.gov.uk/news/food-standards-agency-strategy-2022-to-2027)
- Francis-Devine, B., Zayed, Y., Gorb, A., Malik, X., Danechi, S. (2022) Food poverty: Households, food banks and free school meals. [House of Commons Library Food poverty: Households, food banks and free school meals - House of Commons Library \(parliament.uk\)](https://www.parliament.uk/business/committees/committees-a-z/commons-select/food-poverty-committee/evidence/evidence-to-the-select-committee-on-food-poverty/) accessed 14.10.22
- Freeguard, G. (2016). Environmental awareness: Defra's arm's-length bodies and datasets. [Environmental awareness: Defra's arm's-length bodies and datasets | Institute for Government](https://www.institute-for-government.com/publications/environmental-awareness-defras-arm-length-bodies-and-datasets/)
- Fresh Plaza (2020) Report shows costs increase for the fruit sector during COVID-19 times, [Report shows cost increases for the fruit sector during Covid-19 times \(freshplaza.com\)](https://www.freshplaza.com/news/report-shows-cost-increases-for-the-fruit-sector-during-covid-19-times/) accessed 18.04.23
- Full Fact. (2021, September 28). How many more HGV drivers does the UK need? Full Fact. [How many more HGV drivers does the UK need? - Full Fact](https://www.fullfact.com/articles/2021/09/28/how-many-more-hgv-drivers-does-the-uk-need/)
- Garnett, P., Doherty, B. and Heron, T. (2020). Vulnerability of the United Kingdom's food supply chains exposed by COVID-19. Nature Food, 1(6), pp. 315-318.

<https://doi.org/10.1038/s43016-020-0097-7>

- Goddard, J. (2022) Pig farming industry in England. In Focus, House of Commons Library. Available at [Pig farming industry in England - House of Lords Library \(parliament.uk\)](#), accessed 14.10.22
- Grant Thornton. (2017). FDF Economic contribution and growth opportunities. [Economic Contribution & Growth Opportunities | The Food & Drink Federation \(fdf.org.uk\)](#)
- Hasnain, S., Ingram, J., & Zurek, M. (2020). Mapping the UK food system – a report for the UKRI Transforming UK Food System Programme. [Mapping the UK Food System – interactive tool - Global Food Security](#)
- Holmes, H. (2021, September 19). The real causes of the HGV driver shortage and why we can't blame it all on Brexit. The Grocer. [The real causes of the HGV driver shortage and why we can't blame it all on Brexit | Analysis & Features | The Grocer](#)
- Hubbard, C. (2020). The Agriculture Bill 2020: what's in it for British farmers? The UK in a Changing Europe. [The Agriculture Bill 2020: what's in it for British farmers? - UK in a changing Europe \(ukandeu.ac.uk\)](#)
- IBIS World. (2021, March 24). Total meat consumption. IBIS World. [Total Meat Consumption - United Kingdom | IBISWorld](#)
- IPCC (2022) Mitigation of Climate Change. The Intergovernmental Panel on Climate change, [Climate Change 2022: Mitigation of Climate Change \(ipcc.ch\)](#), accessed 14.10.2022. <https://doi.org/10.1017/9781009157964>
- Kaul, S. (2021, June 17). Shortage of non-UK labour to jeopardise British food supply. #FoodOnEveryTable. [Shortage of non-UK labour to jeopardise British food supply - The British Poultry Council](#)
- Lacombe, A. T., Quintela, I., Liao, Y. T., & Wu, V. C. (2021). Food safety lessons learned from the COVID-19 pandemic. Journal of Food Safety, 41(2). <https://doi.org/10.1111/jfs.12878>
- Lambie-Mumford, H., Loopstra, R. & K. Gordon (2020) Mapping responses to risk of rising food insecurity during the COVID-19 crisis across the UK, Phase One Report: March to July 2020, [Publications | SPERI | The University of Sheffield](#), <https://doi.org/10.46692/9781447347576.009>
- Lang, T. (2020). Feeding Britain. London: Penguin.
- Lever, J., & Milbourne, P. (2017). The Structural Invisibility of Outsiders: The Role of Migrant Labour in the Meat-Processing Industry. Sociology, 51(2), 306–322. <https://doi.org/10.1177/0038038515616354>
- Logistics UK. (2022, February 16). HGV driver numbers stabilising, according to Logistics UK, but skills shortage continues. Logistics UK. HGV driver numbers stabilising, according to Logistics UK, but skills shortage continues, https://doi.org/10.1049/pbtr034e_ch7
- Louis, M., & Pagell, M. (2019). Categorizing supply chain risks: Review, integrated typology and future research. In G. Zsidisin & M. Henke (Eds.), Revisiting supply chain risk. Springer. https://doi.org/10.1007/978-3-030-03813-7_20
- Maxwell, K. (2022, February 25). BPC's response to new Animal Health and Welfare Pathway priorities. #FoodOnEveryTable. [BPC's response to new Animal Health and Welfare Pathway priorities - The British Poultry Council](#)
- McAreavey, R. (2017) Migrant identities in a new immigrant destination: revealing the limitations of the 'hard working' migrant identity. Population, Space and Place, Vol 23(6), pp. 1-14. <https://doi.org/10.1002/psp.2044>
- McAreavey, R. (2019). Seasonal workers schemes: can they achieve social justice? Europa XXI. Institute of Geography and Spatial Organization of the Polish Academy of Sciences. 37, 37-52. <http://doi.org/10.7163/Eu21.2019.37.3>
- McAreavey, R. (2021) Agri-food workers: transnational connections in small towns and rural areas in Banski, J. (ed) Routledge International Handbook of Small Towns, pp. 296-309. <https://doi.org/10.4324/9781003094203-25>
- McDonalds (2022) McDonald's launches campaign to increase diversity within the farming industry. The Spectator, [McDonald's launches campaign to increase diversity within the farming industry | The Spectator](#)

- McDougal, T. (2021, August 19). Labour shortage causing crisis in UK poultry supply. Poultry World. [Labour shortage causing crisis in UK poultry supply - Poultry World](#)
- McDougal, T. (2022, March 8). Labour and bird flu issues continue to dominate UK poultry concerns. Poultry World. [Labour and bird flu issues continue to dominate UK poultry concerns - Poultry World](#), <https://doi.org/10.1787/888932860028>
- McSweeney, E. and Young, H. (2021a, September 28). The invisible migrant workers propping up Ireland's €4bn meat industry. The Guardian. [The invisible migrant workers propping up Ireland's €4bn meat industry | Meat industry | The Guardian](#)
- McSweeney, E. and Young, H. (2021b, September 28). 'The whole system is rotten': life inside Europe's meat industry. The Guardian. ['The whole system is rotten': life inside Europe's meat industry | Meat industry | The Guardian](#)
- National Food Crime Unit. (2020). Food crime: Strategic assessment 2020. [Food crime | Food Standards Agency](#)
- NHS England (2021) Admissions for scurvy, rickets and malnutrition (October 21st) NHS Digital, accessed 18.04.23
- O'Carroll, L. (2021, Sept 24). Is Brexit or COVID to blame for Britain's supply chain crisis? The Guardian. [Is Brexit or Covid to blame for Britain's supply chain crisis? | Supply chain crisis | The Guardian](#)
- Office for National Statistics. (2021a). Fall in HGV drivers largest among middle-aged workers. [Fall in HGV drivers largest among middle-aged workers - Office for National Statistics \(ons.gov.uk\)](#)
- Office for National Statistics. (2021b). Employment in the UK: December 2021. [Employment in the UK - Office for National Statistics \(ons.gov.uk\)](#)
- Office for National Statistics. (2021c). Changing trends and recent shortages in the labour market, UK: 2016 to 2021. [Changing trends and recent shortages in the labour market, UK - Office for National Statistics \(ons.gov.uk\)](#)
- Office for National Statistics. (2022). Business insights and impact on the UK economy: 24 March 2022. [Business insights and impact on the UK economy: 24 March 2022 - GOV.UK \(www.gov.uk\)](#)
- Office for National Statistics. (2023). Consumer price inflation, UK: February 2023: 22 March 2023. [Consumer price inflation, UK - Office for National Statistics](#)
- Parsons, K. (2020). Who makes food policy in England? A map of government actors and activities. Rethinking food governance report 1. [Who makes food policy in England? A map of government actors and activities - Food Research Collaboration](#)
- Parsons, K. (2021). How connected is national food policy in England? Mapping cross-government work on food system issues. Rethinking Food Governance Report 2. [How connected is national food policy in England? Mapping cross-government work on food system issues - Food Research Collaboration](#), <https://doi.org/10.4324/9781315865287-5>
- Pig World. (2022, March 23). AHDB Pork's weekly pig prices, slaughter data and commentary for Great Britain. Pig World. [AHDB pork weekly pig prices & slaughter data | Pig World \(pig-world.co.uk\)](#)
- Power M, Doherty B, Pybus K, Pickett K. (2020) How COVID-19 has exposed inequalities in the UK food system: The case of UK food and poverty. Emerald Open Research. 13;2:11. <https://doi.org/10.35241%2Femeraldopenres.13539.2>. PMID: PMC7219559
- Riley, J. (2021, August 25). Poultry industry slashes production as labour crisis worsens. Farmers Weekly. [Poultry industry slashes production as labour crisis worsens - Farmers Weekly \(fwi.co.uk\)](#)
- Riley, J. (2022, February 11). Defra orders supply chain review after pig crisis summit. Farmers Weekly. [Defra orders supply chain review after pig crisis summit - Farmers Weekly \(fwi.co.uk\)](#), <https://doi.org/10.1002/vetr.2039>
- Rowsell, J. (2022, February 11). Review launched into "fairness" of pig supply chains. Supply Management. Review launched into 'fairness' of pig supply chains - Supply Management (cips.org), https://doi.org/10.1007/978-3-658-28597-5_1
- Sandercock, H. (2022, April 19). UK inflation: how much have food prices risen amid UK cost of living crisis - and will they continue to go up? NationalWorld. [Cost of living crisis:](#)

[how much have food prices risen by? | NationalWorld, https://doi.org/10.1111/j.1468-0319.2011.00856.x](https://doi.org/10.1111/j.1468-0319.2011.00856.x)

- Shuttleworth, F. (2022, March 17). Slow trade for UK beef in January. AHDB News. [Slow trade for UK beef in January | AHDB](#)
- Sinclair, U. (1906). The jungle. New York: Doubleday, Page & Company.
- Sjöberg, L. (1980). The risks of risk analysis. Acta Psychologica, 45(1–3), 301–321. [https://doi.org/10.1016/0001-6918\(80\)90039-6](https://doi.org/10.1016/0001-6918(80)90039-6)
- Smethhurst, S. (2021, November 10). ‘Significant decline’ in food hygiene standards increases EH burden. Chartered Institute of Environmental Health. [‘Significant decline’ in food hygiene standards increases EH burden \(cieh.org\)](#)
- Smith, M. J. (1990) The politics of agricultural support in Britain, Aldershot, England: Dartmouth Publishing Company.
- Stewart, C., Piernas, C., Cook, B., & Jebb, S. A. (2021). Trends in UK meat consumption: analysis of data from years 1–11 (2008–09 to 2018–19) of the National Diet and Nutrition Survey rolling programme. The Lancet: Planetary Health, 5(10), E699–E708. [https://doi.org/10.1016/S2542-5196\(21\)00228-X](https://doi.org/10.1016/S2542-5196(21)00228-X)
- The Environment Food and Rural Affairs Committee. (2017). 7th report - Feeding the nation: labour constraints. [Feeding the nation: labour constraints inquiry - Committees - UK Parliament](#)
- The Poultry Site (2021) On-going labour crisis in the British poultry industry could lead to production shortages 17th August On-going labor crisis in the British poultry industry could lead to production shortages | The Poultry Site
- Tso, R., Lim, A. J., & Forde, C. G. (2021). A Critical Appraisal of the evidence supporting consumer motivations for alternative proteins. Foods, 10(1). <https://doi.org/10.3390/foods10010024>
- UK Home Office and DEFRA. (2021). [Seasonal workers pilot review 2019. Seasonal workers pilot review 2019 - GOV.UK \(www.gov.uk\)](#), <https://doi.org/10.1093/indlaw/dwac003>
- UK Parliament. (2016). Industry and Government must cooperate to beat haulage driver shortage. [Industry and Government must cooperate to beat haulage driver shortage - Committees - UK Parliament](#)
- United Nations Environment Programme and International Livestock Research Institute (2020). Preventing the Next Pandemic: Zoonotic diseases and how to break the chain of transmission. Nairobi, Kenya. [Preventing the next pandemic - Zoonotic diseases and how to break the chain of transmission | UNEP - UN Environment Programme](#) accessed 14.10.22, <https://doi.org/10.4060/cb0301en>
- UNISON. (2019). Environmental health - how cuts are putting individuals and communities at risk and damaging local businesses and economies. [Cuts increase risk to public in England and Wales | News | News | UNISON National](#)
- Wales, C., Harvey, M., and Warde, A. (2006) ‘Recuperating from BSE: The shifting UK institutional basis for trust in food’, Appetite, 47(2), pp. 187 - 195. <https://doi.org/10.1016/j.appet.2006.05.007>
- White, K. (2021, October 1). [British pork sector needs supermarket support to clear pig backlog says NPA. The Grocer.](#)
- White, K. (2022, February 26). Why aren’t supermarkets clearing the pork backlog? The Grocer. [British pork sector needs supermarket support to clear pig backlog says NPA | News | The Grocer](#)
- Wong, C. M. L., & Jensen, O. (2020). The paradox of trust: perceived risk and public compliance during the COVID-19 pandemic in Singapore. Journal of Risk Research, 23(7–8), 1021–1030. Journal of Risk Research, 23(7–8), 1021–1030. <https://doi.org/10.1080/13669877.2020.1756386>
- World Bank [What is Food Security? There are Four Dimensions \(worldbank.org\)](#), accessed 14.10.22
- WWF (2020). Bending the Curve: The Restorative Power of Planet-Based Diets. WWF. Available at: [Bending the Curve: The Restorative Power of Planet-Based Diets | Publications | WWF \(worldwildlife.org\)](#). PDF accessed 14.10.2022

<https://doi.org/10.3410/f.738671616.793579283>