

# 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)
- 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. \(www.pigworld.co.uk\)](https://www.pigworld.co.uk)

[help ease backlog | Pig World \(pig-world.co.uk\)](#)

- 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' \(npa-uk.org.uk\)](#)
- 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://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 \(www.gov.uk\)](#)
- Driver Require Website: [IR35 for HGV, Truck, and LGV Drivers: Here's What You Need to Know \(driverrequire.co.uk\)](#)
- EFRA (2021/2) Select committee evidence to inquiry into shortages in labour, [UK labour supply - Committees - UK Parliament](#), 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 \(ft.com\)](#)
- 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://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](#), 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 \(fao.org\)](#), 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 \(fdf.org.uk\)](#)
- Food & Drink Federation (2022) State of Industry Report, Q2 2022 [State of industry report Q2 2022 | The Food & Drink Federation \(fdf.org.uk\)](#), accessed 14.10.22
- Food Standards Agency. (2022). [The FSA strategy for 2022 to 2027. Foreword - A changing food system | Food Standards Agency](#)
- 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 \(parliament.uk\)](#) 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](#)
- 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 \(freshplaza.com\)](#) 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](#)
- 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 \(fdf.org.uk\)](https://www.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 \(ukandeu.ac.uk\)](https://www.ukandeu.ac.uk)
- IBIS World. (2021, March 24). Total meat consumption. IBIS World. [Total Meat Consumption - United Kingdom | IBISWorld](https://www.ibisworld.com/industry-statistics/total-meat-consumption-united-kingdom/)
- IPCC (2022) Mitigation of Climate Change. The Intergovernmental Panel on Climate change, [Climate Change 2022: Mitigation of Climate Change \(ipcc.ch\)](https://www.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](https://www.logisticsuk.com/news/hgv-driver-numbers-stabilising-according-to-logistics-uk-but-skills-shortage-continues/)
- 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](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](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](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](#)
- 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 \(cieh.org\)](https://www.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](https://www.parliament.uk)
- 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://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](https://www.parliament.uk)
- 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](https://www.unep.org) 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](https://www.unison.org.uk)
- 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.](https://www.thegrocer.co.uk)
- 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](https://www.thegrocer.co.uk)
- 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. <https://doi.org/10.1080/13669877.2020.1756386>
- World Bank [What is Food Security? There are Four Dimensions \(worldbank.org\)](https://www.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 \(worldwildlife.org\)](https://www.worldwildlife.org). PDF accessed 14.10.2022 <https://doi.org/10.3410/f.738671616.793579283>