



McQuire, C., Tilling, K., Hickman, M., & De Vocht, F. (2019).
Forecasting the 2021 local burden of population alcohol-related harms
using Bayesian structural time-series. *Addiction*, 114(6), 994-1003.
<https://doi.org/10.1111/add.14568>

Publisher's PDF, also known as Version of record

License (if available):
CC BY

Link to published version (if available):
[10.1111/add.14568](https://doi.org/10.1111/add.14568)

[Link to publication record in Explore Bristol Research](#)
PDF-document

This is the final published version of the article (version of record). It first appeared online via Wiley at <https://onlinelibrary.wiley.com/doi/full/10.1111/add.14568> . Please refer to any applicable terms of use of the publisher.

University of Bristol - Explore Bristol Research

General rights

This document is made available in accordance with publisher policies. Please cite only the published version using the reference above. Full terms of use are available:
<http://www.bristol.ac.uk/red/research-policy/pure/user-guides/ebr-terms/>

Online Supplementary Materials: Forecasting the 2021 local burden of population alcohol-related harms using Bayesian structural time-series

McQuire, C, Tilling, K, Hickman, M, de Vocht, F.*

* **Corresponding author:** Dr Frank de Vocht. Population Health Sciences, University of Bristol. Canynge Hall, 39 Whatley Road, Bristol. BS8 2PS.
Email: frank.devocht@bristol.ac.uk

Table S1. Medians and interquartile ranges (IQRs) of percentage change in rates in 2020/21 compared to 2015/16 of LTLA alcohol-related hospital admissions stratified by ONS subgroup

ONS Subgroup	Median change in rate (%)	IQR
Affluent rural	-2.8	-9.2 to +0.2
Ageing Coastal Living	+1.7	-4.7 to +9.8
City Periphery	-8.2	-11.0 to -5.1
Country Living	+1.3	-3.7 to +11.8
Ethnically Diverse Metropolitan Living	-6.1	-14.1 to +0.4
Expanding Areas	+2.2	-3.6 to +12.2
Industrial and Multi-ethnic	-4.3	-10.1 to +1.6
Larger Towns and Cities	-4.9	-9.3 to -1.7
London Cosmopolitan	-4.8	-12.4 to +0.8
Manufacturing Legacy	+1.0	-0.6 to +8.0
Mining Legacy	+1.8	-1.3 to +6.1
Older Farming Communities	+0.0	-5.9 to +7.7
Prosperous Semi-rural	+10.1	-1.8 to +13.0
Prosperous Towns	+0.1	-2.5 to +8.0
Rural-Urban Fringe	-4.1	-10.2 to -1.1
Rural Growth Areas	+1.6	-5.8 to +5.8
Seaside Living	+3.4	-3.9 to +14.3
Service Economy	+0.7	-6.3 to +3.6
Sparse English and Welsh Countryside	+0.3	-5.5 to +3.1
University Towns and Cities	-11.8	-17.9 to +0.9
Urban Living	+10.8	2.7 to +17.2

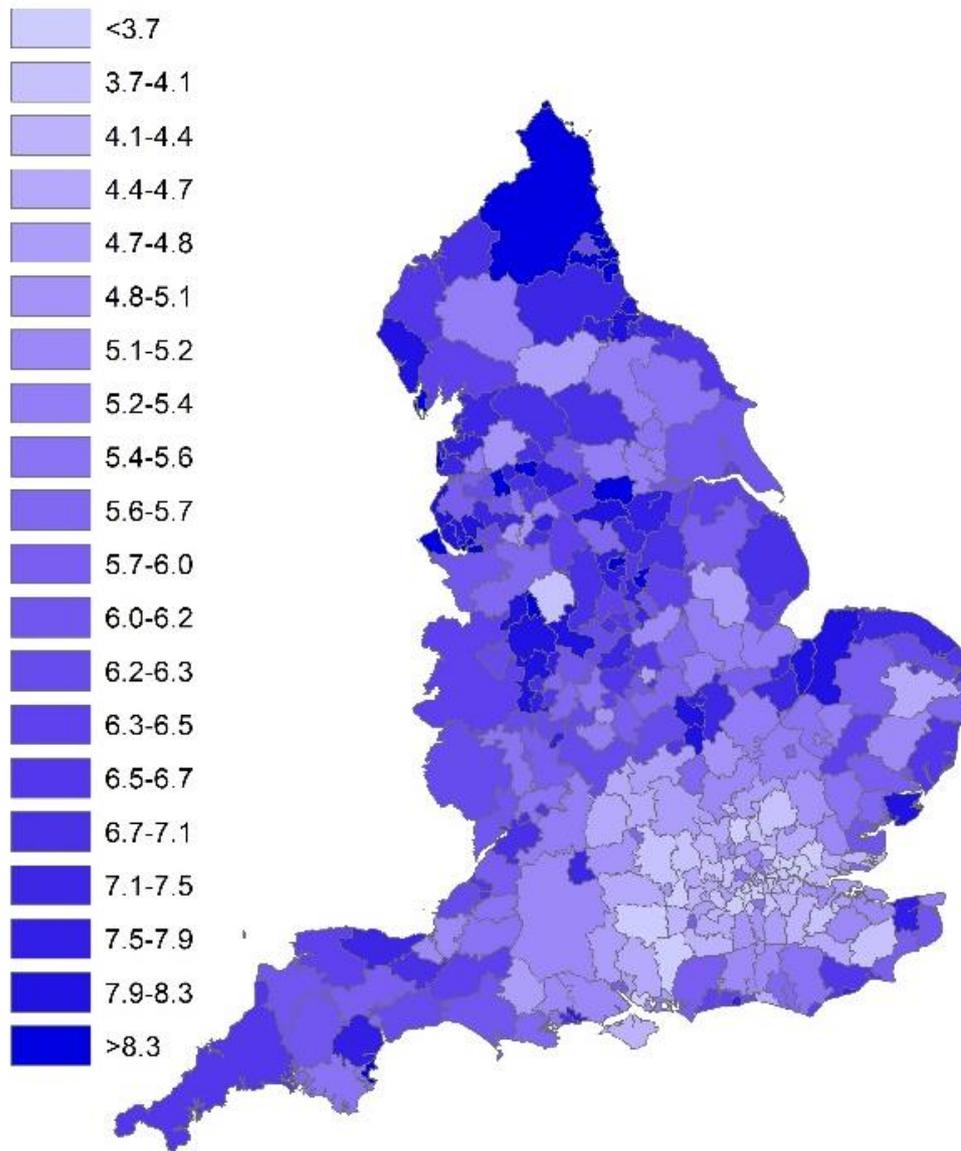


Figure S1. Forecasted crude rates (per 1,000 people) of alcohol-related hospital admissions for the year 2020/21 at LTLA level.

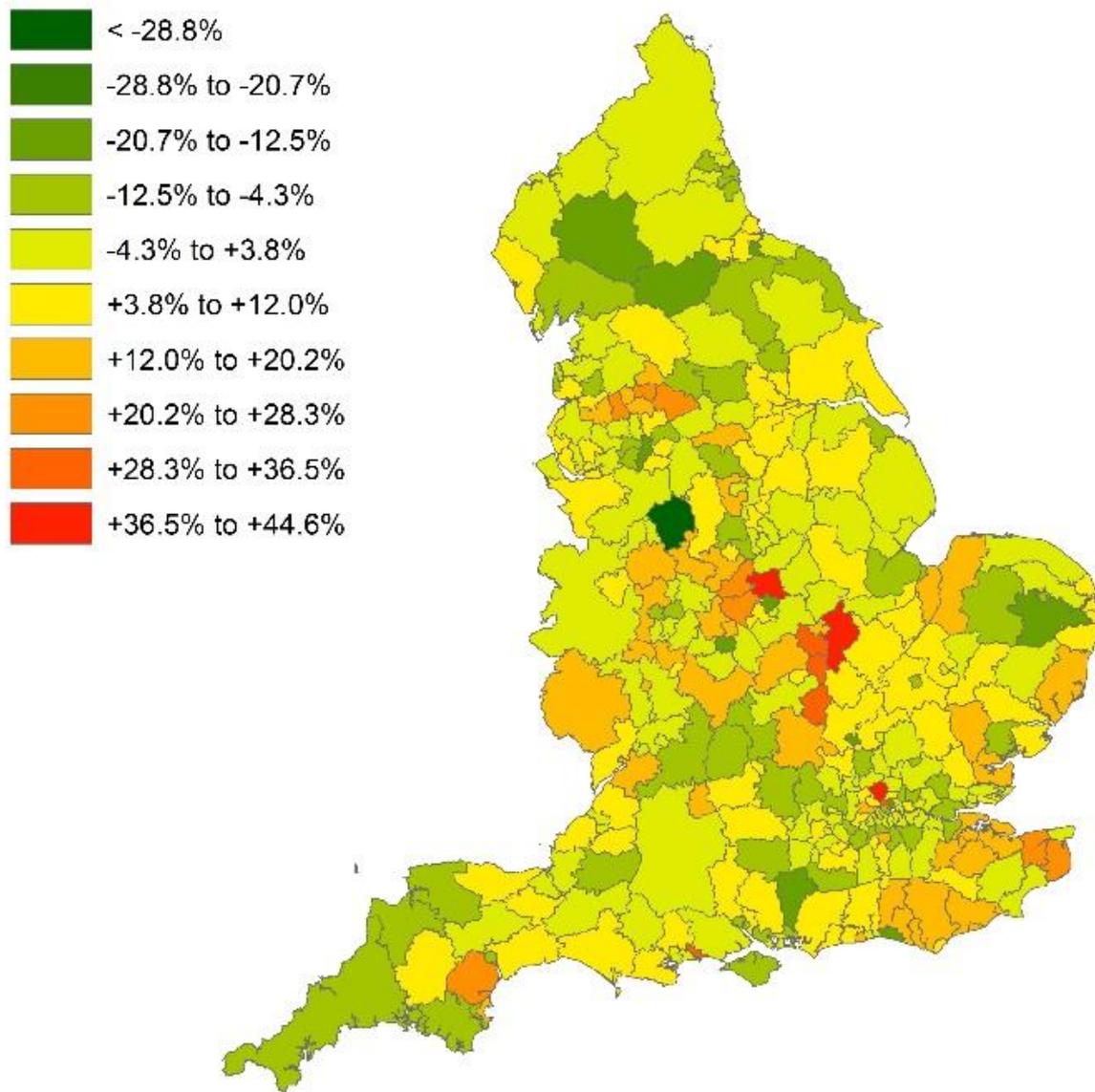


Figure S2. Forecasted relative change (%) in the number of alcohol-related hospital admissions from 2015/16 to 2020/21 at LTLA level.

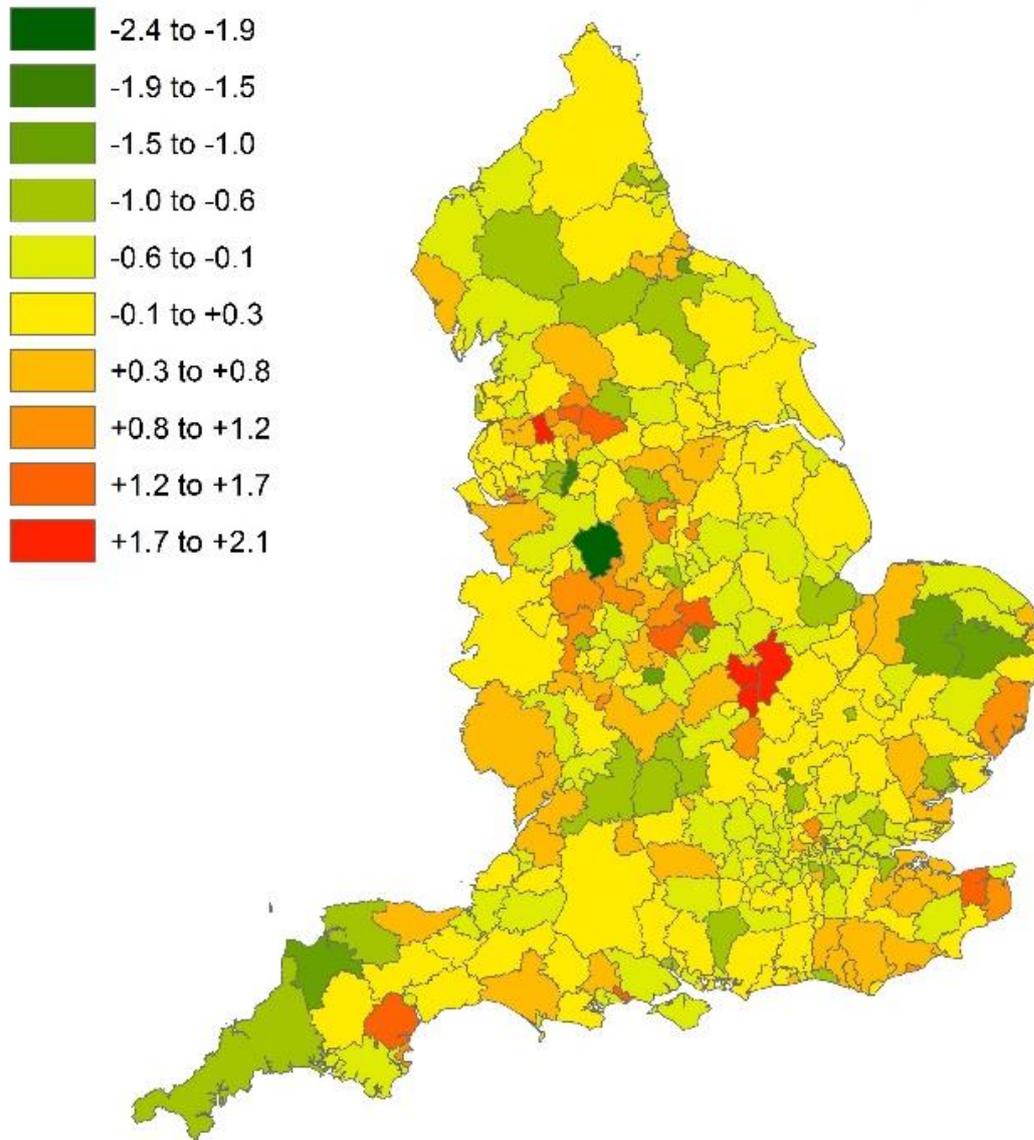


Figure S3. Forecasted relative change in the crude rate (per 1,000 people) of alcohol-related hospital admissions from 2015/16 to 2020/21 at LTLA level.