

UK Prosperity Index: changes made since publication

This note gives more detail on the changes made to the UKPI since it was published. Since the publication of the UK Prosperity Index 2021 report on 13 May we have taken the opportunity, following our ongoing engagement with local authorities, to update historical data and correct some indicators. These changes include:

- **Historical updates:** Brought in historical data for a number of indicators (such as burglary), where it had not been included.
- **Latest year updates:** Updated indicators, where they could have been used for the 2021 index (such as Tertiary Education Provision and local elections).
- **Correcting specific indicators:** Replaced or corrected indicators, such as when there were better alternatives available (for example, emissions indicators and the GVA per hour indicator).
- **Updating timing offsets:** Reviewed and changed timing offsets where appropriate.
- **Correcting imputed variables:** Reviewed and changed imputed values, particularly for areas where there is extensive need for imputation, such as Isles of Scilly, City of London, and Northern Ireland.
- **Updating values for boundary change authorities:** A handful of local authorities changed boundaries in the last three years, so we checked that historical values best represent an analogue of the current boundary.

These changes have resulted in some minor changes to current and historic scores in the Index. The scores changed very little – for example, for the 2021 scores just two local authorities had their scores increase by more than 2% with a significant majority of local authorities experiencing a score change of less than 1% – although some rankings have shifted. However, the trends and major themes discussed in the report remain unchanged.

Pillar	Element	Indicator	Nature of change
Safety & Security	Violent Crime	Knife crime	Northern Ireland historical data added
Safety & Security	Violent Crime	Domestic abuse	Northern Ireland historical data added
Safety & Security	Violent Crime	Homicides	Northern Ireland historical data added
Safety & Security	Violent Crime	Forced marriage rate	UK historical data added
Safety & Security	Violent Crime	Robbery	Bournemouth, Christchurch and Poole, and West Suffolk data added
Safety & Security	Violent Crime	Sexual offences	Bournemouth, Christchurch and Poole, and West Suffolk data added
Safety & Security	Property Crime	Burglary	England and Wales historical data updated; data for Greater Manchester added
Safety & Security	Property Crime	Fraud	England and Wales historical data added City of London data added
Safety & Security	Property Crime	Theft	Bournemouth, Christchurch and Poole, and West Suffolk data added
Safety & Security	Property Crime	Criminal damage	Bournemouth, Christchurch and Poole, and West Suffolk data added
Safety & Security	Civil Disorder	Public order	Timing offsets updated, resulting in Scotland losing a year of data

Pillar	Element	Indicator	Nature of change
Governance	Quality of Local Democracy	Local election turnout	England local election data added for 2018, 2019; Scotland and Northern Ireland historical data added
Governance	Quality of Local Democracy	Non-mainstream vote	City of London and Isles of Scilly imputation updated
Governance	Quality of Local Democracy	Years in power	Recalculated based on additional data included and lack of elections in 2020
Governance	Government Effectiveness	Planning timeliness	England historical data added
Governance	Government Effectiveness	Successful planning appeals	England historical data added Select Welsh local authority data added (Carmarthenshire, Denbighshire, Flintshire, Monmouthshire, Pembrokeshire, Vale of Glamorgan)
Social Capital	Family Relationships	Children in need	Changed the imputation of Scottish council areas St Helens data added Bournemouth, Christchurch and Poole imputation updated
Social Capital	Family Relationships	Child protection	St Helens data added Bournemouth, Christchurch and Poole imputation updated

Pillar	Element	Indicator	Nature of change
Social Capital	Family Relationships	Looked after children	St Helens data added Bournemouth, Christchurch and Poole imputation updated
Investment Environment	Capital Supply	Loan supply	Bolsover data added
Investment Environment	Capital Supply	Delayed projects	Timing offsets corrected; new denominator data introduced.
Investment Environment	Capital Supply	Cancelled projects	Timing offsets corrected; new denominator data introduced.
Investment Environment	Financing Services	Future finance confidence	Bolsover data added
Enterprise Conditions	Business Environment	Property costs	Data added or updated for LAs (City of Edinburgh, East Suffolk, Folkestone and Hythe, King's Lynn and West Norfolk, West Suffolk)
Enterprise Conditions	Domestic Market Contestability	Local competition	Data added or updated for LAs (Bournemouth, Christchurch and Poole; King's Lynn and West; Norfolk; Kingston upon Hull; City of Kingston upon Thames; Na h-Eileanan Siar)
Enterprise Conditions	Labour Market Flexibility	Hard-to-fill vacancies	Bournemouth, Christchurch and Poole data added
Enterprise Conditions	Labour Market Flexibility	Skill gaps	Bournemouth, Christchurch and Poole data added
Enterprise Conditions	Labour Market Flexibility	Skill shortage vacancies	Bournemouth, Christchurch and Poole data added
Infrastructure	Electricity & Gas	Properties not connected to gas network	Latest data added

Pillar	Element	Indicator	Nature of change
Infrastructure	Transport	Journey delay	Data added or updated for LAs (Bournemouth, Christchurch and Poole; Dorset; Gateshead; Northumberland)
Infrastructure	Transport	Non-principal road condition	Data added or updated for LAs (Bournemouth, Christchurch and Poole; Dorset)
Infrastructure	Transport	Principal road condition	Data added or updated for LAs (Bournemouth, Christchurch and Poole; Dorset)
Infrastructure	Transport	Proximity to nearest airport	Isle of Wight imputation updated
Infrastructure	Transport	Proximity to nearest major rail station	Isle of Wight imputation updated
Economic Quality	Labour Force Engagement	Unemployment rate	2020 data added
Economic Quality	Dynamism	New business density	Scotland data corrected
Economic Quality	Dynamism	Second-year business survival rates	Scotland data corrected
Economic Quality	Dynamism	High-growth density	Scotland data corrected
Economic Quality	Productivity and Competitiveness	GVA per hour	Data replaced with alternative ONS data better capturing productivity
Economic Quality	Macroeconomic Stability	GVA per capita growth	Data updated with more recent GVA data
Economic Quality	Macroeconomic Stability	Economic shrinkage	Indicator calculation modified

Pillar	Element	Indicator	Nature of change
Economic Quality	Fiscal Sustainability	Financial pressure	Scotland imputation updated Data added for LAs (Bournemouth, Christchurch and Poole; Craven; Dorset; Hambleton; Harrogate; Richmondshire; Ryedale; Scarborough; Selby)
Economic Quality	Fiscal Sustainability	Reserve to expenditure ratio	Data added for LAs (Caerphilly; Carmarthenshire; Denbighshire; Folkestone and Hythe; Rhondda Cynon Taf; Telford and Wrekin)
Economic Quality	Fiscal Sustainability	Spending power per dwelling	Data added for LAs (Caerphilly; Carmarthenshire; Denbighshire)
Economic Quality	Productivity and Competitiveness	High-tech business share	Dorset data added
Economic Quality	Productivity and Competitiveness	Public sector share	Northern Ireland data added Bournemouth, Christchurch and Poole data updated Somerset West and Taunton data added
Economic Quality	Productivity and Competitiveness	Tradables index	Data added for Northern Ireland LAs (Causeway Coast and Glens; Lisburn and Castlereagh; Mid Ulster)
Living Conditions	Material Resources	Deep poverty	UK historical data added
Living Conditions	Material Resources	Income deprivation	UK historical data added
Living Conditions	Shelter	Rough sleeping	Northern Ireland imputation updated

Pillar	Element	Indicator	Nature of change
Living Conditions	Access to Local Amenities	Travel time to primary school	England historical data added
Living Conditions	Access to Local Amenities	Travel time to secondary school	England historical data added
Living Conditions	Access to Local Amenities	Travel time to a supermarket	Scotland and England historical data added
Living Conditions	Access to Local Amenities	Travel time to a GP surgery	Scotland and England historical data added
Living Conditions	Protection from Harm	Transport accidents death rate	Scotland historical data added
Living Conditions	Protection from Harm	Accidental death rate	Scotland historical data added
Health	Behavioural and Physiological Risk Factors	Overweight and obese (Child)	Wales historical data updated
Health	Behavioural and Physiological Risk Factors	Overweight and obese (Adult)	England data added for latest year
Health	Behavioural and Physiological Risk Factors	Physical activity	England data added for latest year
Health	Preventative Interventions	Breast cancer screening	Wales historical data updated
Health	Preventative Interventions	6-in-1 vaccination coverage	Isle of Anglesey data added
Health	Preventative Interventions	HPV vaccination coverage	Timing offsets updated, resulting in Scotland losing a year of data
Health	Preventative Interventions	MMR vaccination coverage	Isle of Anglesey data added
Health	Longevity	Infant mortality	New data added for Northern Ireland
Health	Longevity	Stillbirths	New data for England and Northern Ireland added
Education	Pre-primary education	Attainment aged 7 (Literacy)	England historical data updated
Education	Pre-primary education	Attainment aged 7 (Numeracy)	England historical data updated
Education	Primary education	Low-income primary attainment (Literacy)	England historical data updated
Education	Primary education	Low-income primary attainment (Numeracy)	England historical data updated
Education	Primary education	Primary attainment (Literacy)	Bournemouth, Christchurch and Poole, and Dorset data updated

Pillar	Element	Indicator	Nature of change
Education	Primary education	Primary attainment (Numeracy)	Bournemouth, Christchurch and Poole, and Dorset data updated
Education	Secondary education	Secondary attainment	Wales historical data updated
Education	Secondary education	Low-income secondary attainment	Wales historical data updated
Education	Tertiary education provision	Further education	England data added for 2019
Education	Tertiary education provision	Apprenticeships	England data added for 2019
Education	Tertiary education provision	Higher education	England data added for 2019
Natural Environment	Emissions	CO ₂ emissions (Industry and Commerce)	Calculation corrected to divide by GVA
Natural Environment	Emissions	CO ₂ emissions (Transport)	Calculation corrected to divide by GVA
Natural Environment	Emissions	NO _x concentrations	Modelled values post-2018 removed
Natural Environment	Emissions	NO ₂ concentrations	Modelled values post-2018 removed
Natural Environment	Exposure to Air Pollution	Coarse particulate matter concentration	Modelled values post-2018 removed
Natural Environment	Exposure to Air Pollution	Fine particulate matter concentration	Underlying data replaced to use the consistent DEFRA source as other similar indicators e.g. Coarse particulate matter
Natural Environment	Forest, Land and Soil	Private outdoor spaces	Northern Ireland imputation updated
Natural Environment	Waste Management	Waste	England historical data updated
Natural Environment	Waste Management	Recycled waste	England historical data updated

Timing offset changes

We have made the following changes to timing offsets since the report was published:

Pillar	Element	Indicator	PUBLISHED Index year timing offset	UPDATED Index year timing offset
Safety & Security	Violent Crime	Homicides	1	2
Safety & Security	Civil Disorder	Public order	1	2
Governance	Quality of Local Democracy	Local election voter turnout	2	1
Governance	Quality of Local Democracy	Years in power	2	1
Governance	Government Integrity	Non-mainstream vote	2	1
Social Capital	Social Networks	Access to neighbourly help	1	2
Social Capital	Social Networks	Sense of belonging to the local community	1	2
Social Capital	Social Networks	Access to professional connections	1	2
Social Capital	Social Networks	Access to local networks	1	2
Social Capital	Institutional Trust	Generalised trust	1	2
Social Capital	Institutional Trust	Trust in Members of Parliament	1	2
Social Capital	Institutional Trust	Trust in local Member of Parliament	1	2
Social Capital	Institutional Trust	Trust in Parliament at Westminster	1	2
Social Capital	Institutional Trust	Trust in British Courts	1	2
Social Capital	Institutional Trust	Trust in national government	1	2
Social Capital	Civic and Social Participation	MP protects the interests of constituency	1	2
Investment Environment	Capital Supply	Loan supply	1	2
Enterprise Conditions	Domestic Market Contestability	Local competition	1	2
Enterprise Conditions	Business Environment	Property costs	1	2
Infrastructure	Electricity & Gas	Properties not connected to gas network	6	2
Infrastructure	Transport	Proximity to nearest major rail station	2	3
Infrastructure	Transport	Proximity to nearest airport	2	3
Economic Quality	Labour Force Engagement	Job satisfaction	3	1

Economic Quality	Labour Force Engagement	Female economic activity rate	1	2
Economic Quality	Labour Force Engagement	Male economic activity rate	1	2
Economic Quality	Labour Force Engagement	Part-time employment share	1	2
Economic Quality	Dynamism	Non-permanent employment share	1	2
Economic Quality	Productivity and Competitiveness	Workforce Herfindahl index	2	3
Economic Quality	Productivity and Competitiveness	Tradables index	2	3
Economic Quality	Productivity and Competitiveness	Public sector share	2	3
Economic Quality	Fiscal Sustainability	Reserve to expenditure ratio	1	2
Economic Quality	Macroeconomic Stability	Inactivity shock	1	2
Living Conditions	Material Resources	Persistent poverty	2	3
Living Conditions	Shelter	Rough sleeping	0	1
Living Conditions	Shelter	Overcrowding	4	2
Living Conditions	Digital Connectedness	Regular internet users	1	2
Living Conditions	Digital Connectedness	Households without a mobile phone	2	1
Living Conditions	Access to Local Amenities	Travel time to primary school	2	3
Living Conditions	Access to Local Amenities	Travel time to secondary school	2	3
Living Conditions	Protection from Harm	Food deserts	1	2
Health	Behavioural and Physiological Risk Factors	Overweight and obese (Child)	2	1
Health	Preventative Interventions	Bowel cancer screening	0	1
Health	Preventative Interventions	Breast cancer screening	0	1
Health	Preventative Interventions	HPV vaccination coverage	1	2
Health	Care Systems	Care home beds	2	1
Health	Mental Health	Psychosis prevalence	2	1
Health	Physical Health	Dementia prevalence	2	1
Health	Longevity	Disability	1	2
Health	Longevity	Stillbirths	4	3
Health	Longevity	Infant mortality	4	3
Education	Tertiary Education Provision	Further education	3	2

Education	Tertiary Education Provision	Apprenticeships	3	2
Education	Tertiary Education Provision	Higher education	3	2
Education	Adult Skills	Adult population with some qualifications	1	2
Education	Adult Skills	Adult population with at least level 2 qualifications	1	2
Education	Adult Skills	Adult population with at least level 4 qualifications	1	2
Natural Environment	Emissions	NOx concentrations	1	3
Natural Environment	Emissions	NO2 concentrations	1	3
Natural Environment	Exposure to Air Pollution	Coarse particulate matter concentration	1	3
Natural Environment	Exposure to Air Pollution	Fine particulate matter concentration	2	3
Natural Environment	Forest, Land and Soil	Deaths from air pollution	1	2