

# Patient pathways paper - code for LoS fitting by NHS Trust

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## 1 Setup

We load packages, pathways data, and read in the movement data from Excel.

### 1.1 Fitting LoS by region

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##
## Currently on region Airedale NHS Foundation Trust
## Currently on region Alder Hey Children's NHS Foundation Trust
## Currently on region Ashford and St Peter's Hospitals NHS Foundation Trust
## Currently on region Avon and Wiltshire Mental Health Partnership NHS Trust
## Currently on region Barking, Havering and Redbridge University Hospitals NHS Trust
## Currently on region Barnet, Enfield and Haringey Mental Health NHS Trust
## Currently on region Barnsley Hospital NHS Foundation Trust
## Currently on region Barts Health NHS Trust
## Currently on region Bedfordshire Hospitals NHS Foundation Trust
## Currently on region Berkshire Healthcare NHS Foundation Trust
## Currently on region Birmingham and Solihull Mental Health NHS Foundation Trust
## Currently on region Birmingham Community Healthcare NHS Foundation Trust
## Currently on region Birmingham Women's and Children's NHS Foundation Trust
## Currently on region Black Country Healthcare NHS Foundation Trust
## Currently on region Blackpool Teaching Hospitals NHS Foundation Trust
## Currently on region Bolton NHS Foundation Trust
## Currently on region Bradford District Care NHS Foundation Trust
## Currently on region Bradford Teaching Hospitals NHS Foundation Trust
## Currently on region Bridgewater Community Healthcare NHS Foundation Trust
## Currently on region Brighton and Sussex University Hospitals NHS Trust
## Currently on region Buckinghamshire Healthcare NHS Trust
## Currently on region Calderdale and Huddersfield NHS Foundation Trust
## Currently on region Cambridge University Hospitals NHS Foundation Trust
## Currently on region Cambridgeshire and Peterborough NHS Foundation Trust
## Currently on region Cambridgeshire Community Services NHS Trust
## Currently on region Camden and Islington NHS Foundation Trust
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## Currently on region Central and North West London NHS Foundation Trust  
 ## Currently on region Central London Community Healthcare NHS Trust  
 ## Currently on region Chelsea and Westminster Hospital NHS Foundation Trust  
 ## Currently on region Cheshire and Wirral Partnership NHS Foundation Trust  
 ## Currently on region Chesterfield Royal Hospital NHS Foundation Trust  
 ## Currently on region Cornwall Partnership NHS Foundation Trust  
 ## Currently on region Countess of Chester Hospital NHS Foundation Trust  
 ## Currently on region County Durham and Darlington NHS Foundation Trust  
 ## Currently on region Coventry and Warwickshire Partnership NHS Trust  
 ## Currently on region Croydon Health Services NHS Trust  
 ## Currently on region Cumbria, Northumberland, Tyne and Wear NHS Foundation Trust  
 ## Currently on region Dartford and Gravesham NHS Trust  
 ## Currently on region Derbyshire Community Health Services NHS Foundation Trust  
 ## Currently on region Derbyshire Healthcare NHS Foundation Trust  
 ## Currently on region Devon Partnership NHS Trust  
 ## Currently on region Doncaster and Bassetlaw Teaching Hospitals NHS Foundation Trust  
 ## Currently on region Dorset County Hospital NHS Foundation Trust  
 ## Currently on region Dorset Healthcare University NHS Foundation Trust  
 ## Currently on region East and North Hertfordshire NHS Trust  
 ## Currently on region East Cheshire NHS Trust  
 ## Currently on region East Kent Hospitals University NHS Foundation Trust  
 ## Currently on region East Lancashire Hospitals NHS Trust  
 ## Currently on region East London NHS Foundation Trust  
 ## Currently on region East Suffolk and North Essex NHS Foundation Trust  
 ## Currently on region East Sussex Healthcare NHS Trust  
 ## Currently on region Epsom and St Helier University Hospitals NHS Trust  
 ## Currently on region Essex Partnership University NHS Foundation Trust  
 ## Currently on region Frimley Health NHS Foundation Trust  
 ## Currently on region Gateshead Health NHS Foundation Trust  
 ## Currently on region George Eliot Hospital NHS Trust  
 ## Currently on region Gloucestershire Health and Care NHS Foundation Trust  
 ## Currently on region Gloucestershire Hospitals NHS Foundation Trust  
 ## Currently on region Great Ormond Street Hospital for Children NHS Foundation Trust  
 ## Currently on region Great Western Hospitals NHS Foundation Trust  
 ## Currently on region Greater Manchester Mental Health NHS Foundation Trust  
 ## Currently on region Guy's and St Thomas' NHS Foundation Trust  
 ## Currently on region Hampshire Hospitals NHS Foundation Trust  
 ## Currently on region Harrogate and District NHS Foundation Trust  
 ## Currently on region Herefordshire and Worcestershire Health and Care NHS Trust  
 ## Currently on region Hertfordshire Community NHS Trust  
 ## Currently on region Hertfordshire Partnership University NHS Foundation Trust  
 ## Currently on region Homerton University Hospital NHS Foundation Trust  
 ## Currently on region Hounslow and Richmond Community Healthcare NHS Trust  
 ## Currently on region Hull University Teaching Hospitals NHS Trust  
 ## Currently on region Humber Teaching NHS Foundation Trust  
 ## Currently on region Imperial College Healthcare NHS Trust  
 ## Currently on region Isle of Wight NHS Trust  
 ## Currently on region James Paget University Hospitals NHS Foundation Trust  
 ## Currently on region Kent and Medway NHS and Social Care Partnership Trust  
 ## Currently on region Kent Community Health NHS Foundation Trust  
 ## Currently on region Kettering General Hospital NHS Foundation Trust  
 ## Currently on region King's College Hospital NHS Foundation Trust  
 ## Currently on region Kingston Hospital NHS Foundation Trust  
 ## Currently on region Lancashire Teaching Hospitals NHS Foundation Trust

## Currently on region Leeds and York Partnership NHS Foundation Trust  
 ## Currently on region Leeds Community Healthcare NHS Trust  
 ## Currently on region Leeds Teaching Hospitals NHS Trust  
 ## Currently on region Leicestershire Partnership NHS Trust  
 ## Currently on region Lewisham and Greenwich NHS Trust  
 ## Currently on region Lincolnshire Community Health Services NHS Trust  
 ## Currently on region Lincolnshire Partnership NHS Foundation Trust  
 ## Currently on region Liverpool Heart and Chest Hospital NHS Foundation Trust  
 ## Currently on region Liverpool University Hospitals NHS Foundation Trust  
 ## Currently on region Liverpool Women's NHS Foundation Trust  
 ## Currently on region London North West University Healthcare NHS Trust  
 ## Currently on region Maidstone and Tunbridge Wells NHS Trust  
 ## Currently on region Manchester University NHS Foundation Trust  
 ## Currently on region Medway NHS Foundation Trust  
 ## Currently on region Mersey Care NHS Foundation Trust  
 ## Currently on region Mid and South Essex NHS Foundation Trust  
 ## Currently on region Mid Cheshire Hospitals NHS Foundation Trust  
 ## Currently on region Mid Yorkshire Hospitals NHS Trust  
 ## Currently on region Midlands Partnership NHS Foundation Trust  
 ## Currently on region Milton Keynes University Hospital NHS Foundation Trust  
 ## Currently on region Moorfields Eye Hospital NHS Foundation Trust  
 ## Currently on region NHS Nightingale Hospital Birmingham  
 ## Currently on region NHS Nightingale Hospital Exeter  
 ## Currently on region NHS Nightingale Hospital London  
 ## Currently on region NHS Nightingale Hospital North West  
 ## Currently on region NHS Nightingale Hospital Yorkshire and The Humber  
 ## Currently on region Norfolk and Norwich University Hospitals NHS Foundation Trust  
 ## Currently on region Norfolk and Suffolk NHS Foundation Trust  
 ## Currently on region Norfolk Community Health and Care NHS Trust  
 ## Currently on region North Bristol NHS Trust  
 ## Currently on region North Cumbria Integrated Care NHS Foundation Trust  
 ## Currently on region North East London NHS Foundation Trust  
 ## Currently on region North Middlesex University Hospital NHS Trust  
 ## Currently on region North Staffordshire Combined Healthcare NHS Trust  
 ## Currently on region North Tees and Hartlepool NHS Foundation Trust  
 ## Currently on region North West Anglia NHS Foundation Trust  
 ## Currently on region North West Boroughs Healthcare NHS Foundation Trust  
 ## Currently on region Northampton General Hospital NHS Trust  
 ## Currently on region Northamptonshire Healthcare NHS Foundation Trust  
 ## Currently on region Northern Devon Healthcare NHS Trust  
 ## Currently on region Northern Lincolnshire and Goole NHS Foundation Trust  
 ## Currently on region Northumbria Healthcare NHS Foundation Trust  
 ## Currently on region Nottingham University Hospitals NHS Trust  
 ## Currently on region Nottinghamshire Healthcare NHS Foundation Trust  
 ## Currently on region Oxford Health NHS Foundation Trust  
 ## Currently on region Oxford University Hospitals NHS Foundation Trust  
 ## Currently on region Oxleas NHS Foundation Trust  
 ## Currently on region Pennine Acute Hospitals NHS Trust  
 ## Currently on region Pennine Care NHS Foundation Trust  
 ## Currently on region Portsmouth Hospitals University National Health Service Trust  
 ## Currently on region Queen Victoria Hospital NHS Foundation Trust  
 ## Currently on region Rotherham Doncaster and South Humber NHS Foundation Trust  
 ## Currently on region Royal Berkshire NHS Foundation Trust  
 ## Currently on region Royal Cornwall Hospitals NHS Trust

## Currently on region Royal Devon and Exeter NHS Foundation Trust  
 ## Currently on region Royal Free London NHS Foundation Trust  
 ## Currently on region Royal National Orthopaedic Hospital NHS Trust  
 ## Currently on region Royal Papworth Hospital NHS Foundation Trust  
 ## Currently on region Royal Surrey County Hospital NHS Foundation Trust  
 ## Currently on region Royal United Hospitals Bath NHS Foundation Trust  
 ## Currently on region Salford Royal NHS Foundation Trust  
 ## Currently on region Salisbury NHS Foundation Trust  
 ## Currently on region Sandwell and West Birmingham Hospitals NHS Trust  
 ## Currently on region Sheffield Children's NHS Foundation Trust  
 ## Currently on region Sheffield Teaching Hospitals NHS Foundation Trust  
 ## Currently on region Sherwood Forest Hospitals NHS Foundation Trust  
 ## Currently on region Shropshire Community Health NHS Trust  
 ## Currently on region Solent NHS Trust  
 ## Currently on region Somerset NHS Foundation Trust  
 ## Currently on region South London and Maudsley NHS Foundation Trust  
 ## Currently on region South Tees Hospitals NHS Foundation Trust  
 ## Currently on region South Tyneside and Sunderland NHS Foundation Trust  
 ## Currently on region South Warwickshire NHS Foundation Trust  
 ## Currently on region South West London and St George's Mental Health NHS Trust  
 ## Currently on region South West Yorkshire Partnership NHS Foundation Trust  
 ## Currently on region Southern Health NHS Foundation Trust  
 ## Currently on region Southport and Ormskirk Hospital NHS Trust  
 ## Currently on region St George's University Hospitals NHS Foundation Trust  
 ## Currently on region St Helens and Knowsley Teaching Hospitals NHS Trust  
 ## Currently on region Stockport NHS Foundation Trust  
 ## Currently on region Surrey and Borders Partnership NHS Foundation Trust  
 ## Currently on region Surrey and Sussex Healthcare NHS Trust  
 ## Currently on region Sussex Community NHS Foundation Trust  
 ## Currently on region Sussex Partnership NHS Foundation Trust  
 ## Currently on region Tameside and Glossop Integrated Care NHS Foundation Trust  
 ## Currently on region Tavistock and Portman NHS Foundation Trust  
 ## Currently on region Tees, Esk and Wear Valleys NHS Foundation Trust  
 ## Currently on region The Christie NHS Foundation Trust  
 ## Currently on region The Clatterbridge Cancer Centre NHS Foundation Trust  
 ## Currently on region The Dudley Group NHS Foundation Trust  
 ## Currently on region The Hillingdon Hospitals NHS Foundation Trust  
 ## Currently on region The Newcastle Upon Tyne Hospitals NHS Foundation Trust  
 ## Currently on region The Princess Alexandra Hospital NHS Trust  
 ## Currently on region The Queen Elizabeth Hospital, King's Lynn, NHS Foundation Trust  
 ## Currently on region The Robert Jones and Agnes Hunt Orthopaedic Hospital NHS Foundation Trust  
 ## Currently on region The Rotherham NHS Foundation Trust  
 ## Currently on region The Royal Marsden NHS Foundation Trust  
 ## Currently on region The Royal Orthopaedic Hospital NHS Foundation Trust  
 ## Currently on region The Royal Wolverhampton NHS Trust  
 ## Currently on region The Shrewsbury and Telford Hospital NHS Trust  
 ## Currently on region The Walton Centre NHS Foundation Trust  
 ## Currently on region Torbay and South Devon NHS Foundation Trust  
 ## Currently on region United Lincolnshire Hospitals NHS Trust  
 ## Currently on region University College London Hospitals NHS Foundation Trust  
 ## Currently on region University Hospital Southampton NHS Foundation Trust  
 ## Currently on region University Hospitals Birmingham NHS Foundation Trust  
 ## Currently on region University Hospitals Bristol and Weston NHS Foundation Trust  
 ## Currently on region University Hospitals Coventry and Warwickshire NHS Trust

## Currently on region University Hospitals Dorset NHS Foundation Trust  
## Currently on region University Hospitals of Derby and Burton NHS Foundation Trust  
## Currently on region University Hospitals of Leicester NHS Trust  
## Currently on region University Hospitals of Morecambe Bay NHS Foundation Trust  
## Currently on region University Hospitals of North Midlands NHS Trust  
## Currently on region University Hospitals Plymouth NHS Trust  
## Currently on region Walsall Healthcare NHS Trust  
## Currently on region Warrington and Halton Teaching Hospitals NHS Foundation Trust  
## Currently on region West Hertfordshire Hospitals NHS Trust  
## Currently on region West London NHS Trust  
## Currently on region West Suffolk NHS Foundation Trust  
## Currently on region Western Sussex Hospitals NHS Foundation Trust  
## Currently on region Whittington Health NHS Trust  
## Currently on region Wirral Community Health and Care NHS Foundation Trust  
## Currently on region Wirral University Teaching Hospital NHS Foundation Trust  
## Currently on region Worcestershire Acute Hospitals NHS Trust  
## Currently on region Wrightington, Wigan and Leigh NHS Foundation Trust  
## Currently on region Wye Valley NHS Trust  
## Currently on region Yeovil District Hospital NHS Foundation Trust  
## Currently on region York Teaching Hospital NHS Foundation Trust