

Epilepsy12 2026 Outlier Management and Identification

How we identify outliers

As part of its annual reporting process the Epilepsy12 audit has conducted **Trust/Health Board outlier analyses on two audit measures for clinical 'cohort 7' (2026) data**. The purpose of the outlier process is to identify and highlight variation, enable local review of the causes of that variation and stimulate quality improvement.

In our 2026 analysis, two metrics have been used to define outlier status within the Epilepsy12 audit:

1. **Epilepsy Specialist Input (ESN) input** – Percentage of children and young people with input by an ESN within the first year of care.
2. **Tertiary input** - Percentage of children and young people meeting defined criteria for paediatric neurology referral, with input of tertiary care and/or CESS referral by first year.

Eligible Health Boards and Trusts who did not submit at least one first year of care form within the current cohort were identified as '**non-participation**' outliers. Eligibility is defined as having undertaken a first paediatric assessment for one of more patients with epilepsy.

Epilepsy12 defines outlier status as being outside of **2 or 3 standard deviations** from the national (England and Wales combined) average. Depending on the measure, negative and positive outlier status can be defined.

For negative outlier status, '**alert**' status is defined as outside 2 standard deviations from the national average and '**alarm**' when outside of 3 standard deviations. For positive outlier status '**excellent**' or '**outstanding**' performance are defined respectively as 2 and 3 standard deviations above the average.

Following the data submission deadline for cohort 7 clinical data, a definitive download of data was taken on **14 January 2026** in order to carry out the annual analysis and reporting, including the outlier analysis. Any data submitted after this date was excluded from the analyses.

Health Board/Trust level reports of these data and provisional outlier notifications were both shared with the relevant Trusts/Health Boards in April 2026. Following the conclusion of the outlier identification and management process, the results have been confirmed with the relevant Trusts/Health Boards and have been communicated to the Care Quality Commission (CQC) and the Welsh Government in July 2026.

For full details, please see the [Epilepsy12 Outlier Policy](#). Epilepsy12 guidance follows the [Healthcare Quality Improvement Partnership \(HQIP\) outlier guidance for England and Wales](#).

Results

Figure 1 and figure 2 show funnel plots of the results of the outlier analyses. Below are the Trusts and Health Boards in England and Wales identified as positive, negative and non-participation outliers.

The full results of the 2026 combined clinical and organisational audit, including extended analyses and datasets, can be found on our [website](#).

Figure 1 – Funnel plot for ESN input

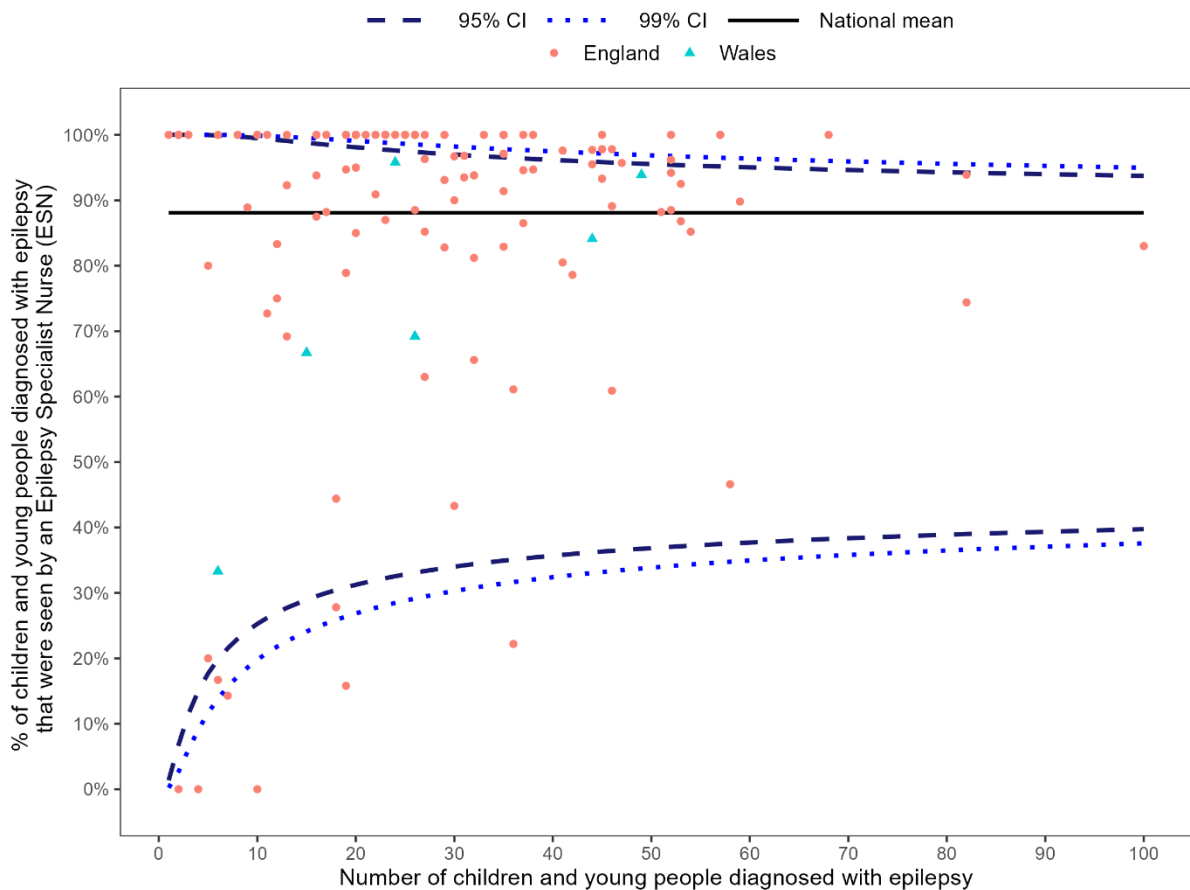
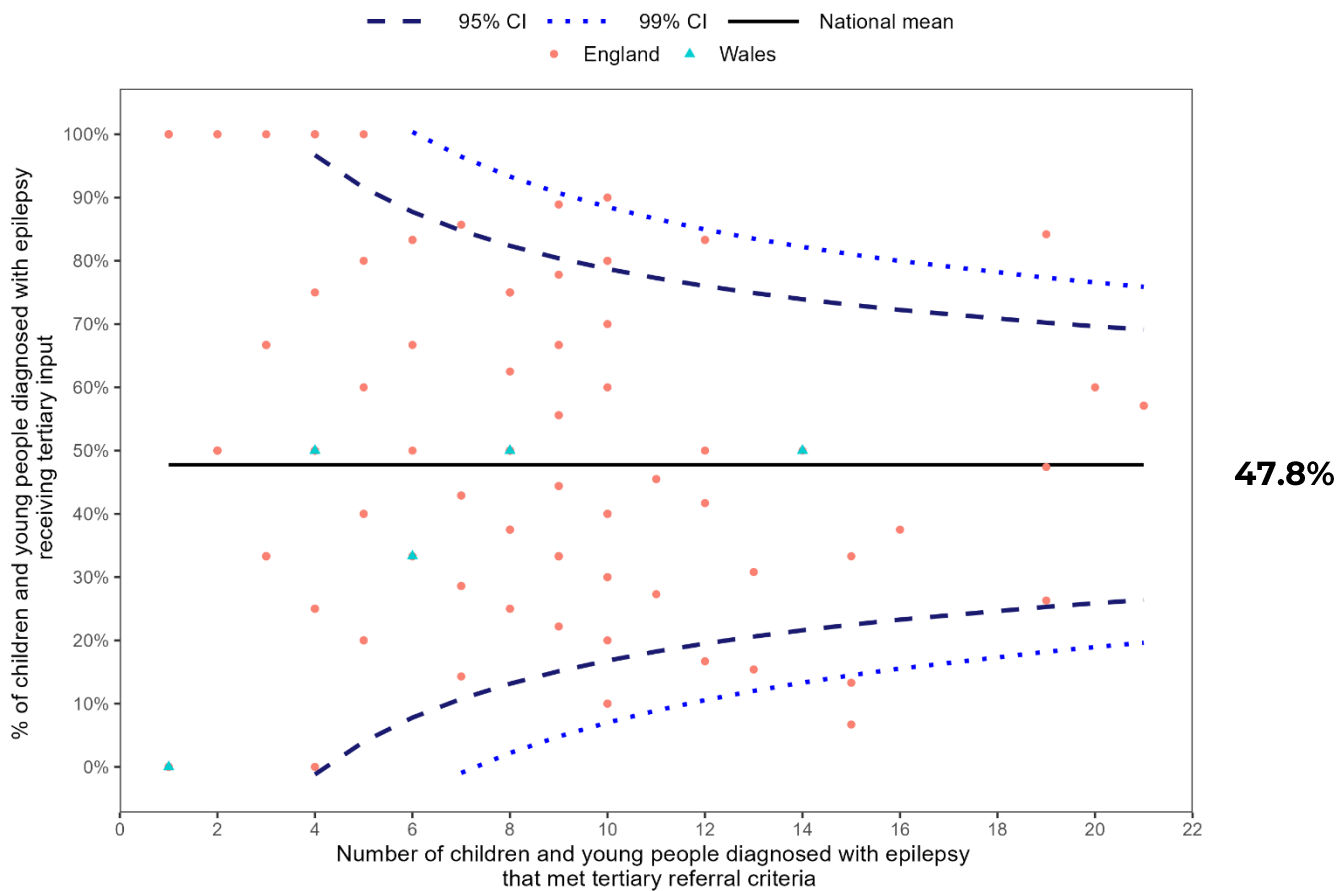


Figure 2 – Funnel Plot for Tertiary Input



NON-PARTICIPATION OUTLIERS		
HEALTH BOARD/TRUST	HBT CODE	COMMENTS
UNIVERSITY HOSPITALS PLYMOUTH NHS TRUST	RK9	No response provided from Trust by 10/06/26
COVENTRY AND WARWICKSHIRE PARTNERSHIP NHS TRUST	RYG	No response provided from Trust by 10/06/26
UNIVERSITY HOSPITALS BRISTOL AND WESTON NHS FOUNDATION TRUST	RA7	No response provided from Trust by 10/06/26

NEGATIVE OUTLIER STATUS

ALARM

HEALTH BOARD/TRUST	TRUST CODE	MEASURE	COMMENTS
ISLE OF WIGHT NHS TRUST	R1F	ESN	
MILTON KEYNES UNIVERSITY HOSPITAL NHS FOUNDATION TRUST	RD8	ESN	The Trust currently does not have a paediatric specialist epilepsy nurse, which has contributed to the outlier result. Sustainable funding options are being explored to support the recruitment of a specialist epilepsy nurse on a long-term basis.
BIRMINGHAM WOMEN'S AND CHILDREN'S NHS FOUNDATION TRUST	RQ3	ESN	The Chief Officer acknowledged the need for improved resources to address the issue. Since receiving the notification, the Trust has established an Epilepsy Specialist Nurse post to support service improvement.
UNIVERSITY HOSPITALS BIRMINGHAM NHS FOUNDATION TRUST	RRK	ESN	No response provided from Trust by 10/06/26
SANDWELL AND WEST BIRMINGHAM HOSPITALS NHS TRUST	RXK	ESN	No response provided from Trust by 10/06/26
BIRMINGHAM COMMUNITY HEALTHCARE NHS FOUNDATION TRUST	RYW	ESN	The Clinical Lead noted that the Trust is a community provider with a very small number of eligible patients and does not run a dedicated epilepsy clinic. Most children have access to specialist epilepsy support through other services, and a dedicated Epilepsy Specialist Nurse post is unlikely to be commissioned under the current service model.
HOMERTON HEALTHCARE NHS FOUNDATION TRUST	RQX	Tertiary Input	Following receipt of the provisional notification, the team reviewed the relevant cases to identify the reasons why individual patients did not meet the required criteria.
LANCASHIRE TEACHING HOSPITALS NHS FOUNDATION TRUST	RXN	Tertiary Input	The trust reviewed the cases identified and found that most were appropriately managed, with only a small number requiring further action. The review also identified data quality issues, and the trust has implemented

			measures to improve data recording and future audit submissions.
ALERT			
GEORGE ELIOT HOSPITAL NHS TRUST	RLT	ESN	No response provided from Trust by 10/06/26
NORTH CUMBRIA INTEGRATED CARE NHS FOUNDATION TRUST	RNN	ESN	The Trust highlighted that limited epilepsy nursing capacity contributed to the result. An additional part-time Epilepsy Specialist Nurse was appointed in September 2025 following successful regional funding, and the Trust anticipates improvements in future cohorts.
BRADFORD TEACHING HOSPITALS NHS FOUNDATION TRUST	RAE	Tertiary	No response provided from Trust by 10/06/26
THE ROYAL WOLVERHAMPTON NHS TRUST	RL4	Tertiary	
COUNTY DURHAM AND DARLINGTON NHS FOUNDATION TRUST	RXP	Tertiary	
THE SHREWSBURY AND TELFORD HOSPITAL NHS TRUST	RXW	Tertiary	

POSITIVE OUTLIER STATUS

HEALTH BOARD/TRUST	TRUST CODE	MEASURE	OUTLIER TYPE
EAST KENT HOSPITALS UNIVERSITY NHS FOUNDATION TRUST	RVV	ESN	Excellent
KETTERING GENERAL HOSPITAL NHS FOUNDATION TRUST	RNQ	ESN	Excellent
LEEDS TEACHING HOSPITALS NHS TRUST	RR8	ESN	Excellent
WALSALL HEALTHCARE NHS TRUST	RBK	ESN	Excellent
PORTSMOUTH NHS FOUNDATION TRUST	RHU	ESN	Excellent
AIREDALE NHS FOUNDATION TRUST	RCF	ESN	Outstanding
ASHFORD AND ST PETER'S HOSPITALS NHS FOUNDATION TRUST	RTK	ESN	Outstanding
BEDFORDSHIRE HOSPITALS NHS FOUNDATION TRUST	RC9	ESN	Outstanding
BLACKPOOL TEACHING HOSPITALS NHS FOUNDATION TRUST	RXL	ESN	Outstanding
BRADFORD TEACHING HOSPITALS NHS FOUNDATION TRUST	RAE	ESN	Outstanding
CALDERDALE AND HUDDERSFIELD NHS FOUNDATION TRUST	RWY	ESN	Outstanding
CHESTERFIELD ROYAL HOSPITAL NHS FOUNDATION TRUST	RFS	ESN	Outstanding
COUNTESS OF CHESTER HOSPITAL NHS FOUNDATION TRUST	RJR	ESN	Outstanding
COUNTY DURHAM AND DARLINGTON NHS FOUNDATION TRUST	RXP	ESN	Outstanding
DARTFORD AND GRAVESHAM NHS TRUST	RN7	ESN	Outstanding
EAST AND NORTH HERTFORDSHIRE NHS TRUST	RWH	ESN	Outstanding
EAST CHESHIRE NHS TRUST	RJN	ESN	Outstanding
EAST SUFFOLK AND NORTH ESSEX NHS FOUNDATION TRUST	RDE	ESN	Outstanding

EAST SUSSEX HEALTHCARE NHS TRUST	RXC	ESN	Outstanding
GUY'S AND ST THOMAS' NHS FOUNDATION TRUST	RJ1	ESN	Outstanding
HARROGATE AND DISTRICT NHS FOUNDATION TRUST	RCD	ESN	Outstanding
HULL UNIVERSITY TEACHING HOSPITALS NHS TRUST	RWA	ESN	Outstanding
JAMES PAGET UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	RGP	ESN	Outstanding
KING'S COLLEGE HOSPITAL NHS FOUNDATION TRUST	RJZ	ESN	Outstanding
KINGSTON HOSPITAL NHS FOUNDATION TRUST	RAX	ESN	Outstanding
LEEDS COMMUNITY HEALTHCARE NHS TRUST	RY6	ESN	Outstanding
LONDON NORTH WEST UNIVERSITY HEALTHCARE NHS TRUST	RIK	ESN	Outstanding
MAIDSTONE AND TUNBRIDGE WELLS NHS TRUST	RWF	ESN	Outstanding
MEDWAY NHS FOUNDATION TRUST	RPA	ESN	Outstanding
MERSEY AND WEST LANCASHIRE TEACHING HOSPITALS NHS TRUST	RBN	ESN	Outstanding
NORTH EAST LONDON NHS FOUNDATION TRUST	RAT	ESN	Outstanding
NORTH MIDDLESEX UNIVERSITY HOSPITAL NHS TRUST	RAP	ESN	Outstanding
NORTH TEES AND HARTLEPOOL NHS FOUNDATION TRUST	RVW	ESN	Outstanding
NORTH WEST ANGLIA NHS FOUNDATION TRUST	RGN	ESN	Outstanding
NORTHERN LINCOLNSHIRE AND GOOLE NHS FOUNDATION TRUST	RJL	ESN	Outstanding
NORTHUMBRIA HEALTHCARE NHS FOUNDATION TRUST	RTF	ESN	Outstanding
ROYAL FREE LONDON NHS FOUNDATION TRUST	RAL	ESN	Outstanding
ROYAL SURREY COUNTY HOSPITAL NHS FOUNDATION TRUST	RA2	ESN	Outstanding

ROYAL UNITED HOSPITALS BATH NHS FOUNDATION TRUST	RD1	ESN	Outstanding
SALISBURY NHS FOUNDATION TRUST	RNZ	ESN	Outstanding
SHERWOOD FOREST HOSPITALS NHS FOUNDATION TRUST	RK5	ESN	Outstanding
SOLENT NHS TRUST	R1C	ESN	Outstanding
SOUTH TEES HOSPITALS NHS FOUNDATION TRUST	RTR	ESN	Outstanding
SOUTH WARWICKSHIRE UNIVERSITY NHS FOUNDATION TRUST	RJC	ESN	Outstanding
STOCKPORT NHS FOUNDATION TRUST	RWJ	ESN	Outstanding
SUSSEX COMMUNITY NHS FOUNDATION TRUST	RDR	ESN	Outstanding
THE HILLINGDON HOSPITALS NHS FOUNDATION TRUST	RAS	ESN	Outstanding
THE PRINCESS ALEXANDRA HOSPITAL NHS TRUST	RQW	ESN	Outstanding
THE ROYAL WOLVERHAMPTON NHS TRUST	RL4	ESN	Outstanding
THE SHREWSBURY AND TELFORD HOSPITAL NHS TRUST	RXW	ESN	Outstanding
WARRINGTON AND HALTON TEACHING HOSPITALS NHS FOUNDATION TRUST	RWW	ESN	Outstanding
WEST SUFFOLK NHS FOUNDATION TRUST	RGR	ESN	Outstanding
WIRRAL UNIVERSITY TEACHING HOSPITAL NHS FOUNDATION TRUST	RBL	ESN	Outstanding
WORCESTERSHIRE ACUTE HOSPITALS NHS TRUST	RWP	ESN	Outstanding
WYE VALLEY NHS TRUST	RLQ	ESN	Outstanding
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CROYDON HEALTH SERVICES NHS TRUST	RJ6	Tertiary Input	Excellent
DARTFORD AND GRAVESHAM NHS TRUST	RN7	Tertiary Input	Excellent

EAST SUSSEX HEALTHCARE NHS TRUST	RXC	Tertiary Input	Excellent
IMPERIAL COLLEGE HEALTHCARE NHS TRUST	RYJ	Tertiary Input	Excellent
NORTH WEST ANGLIA NHS FOUNDATION TRUST	RGN	Tertiary Input	Excellent
OXFORD UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	RTH	Tertiary Input	Excellent
ST GEORGE'S UNIVERSITY HOSPITALS NHS FOUNDATION TRUST	RJ7	Tertiary Input	Excellent
UNIVERSITY HOSPITALS OF LEICESTER NHS TRUST	RWE	Tertiary Input	Excellent
UNIVERSITY HOSPITALS SUSSEX NHS FOUNDATION TRUST	RYR	Tertiary Input	Excellent
SHEFFIELD CHILDREN'S NHS FOUNDATION TRUST	RCU	Tertiary Input	Outstanding
UNIVERSITY COLLEGE LONDON HOSPITALS NHS FOUNDATION TRUST	RRV	Tertiary Input	Outstanding