

## An Audit of the Process of Care in Surveillance Services for Children with Sickle Cell Disease in Wales

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**Abstract :** Sickle cell disease is a serious life-limiting condition which can reduce the quality of life for many patients. Public Health England (PHE), in partnership with the Sickle Cell Society (SCS), has created guidelines to prevent severe complications from sickle cell disease. Data was collected from Children's Hospital for Wales between 15/03/21-26/03/21. **Methods:** A manual search of patient records for children under the care of Rocket Ward and a key term search of online records was used. **Results:** Penicillin prophylaxis was given at 90 days for 89%, 77% of TCDs scans were done at 2-3 years, and 72% have had a scan in the last year. 53% of patients have had discussions about hydroxycarbamide, whilst 65% have started it. PPV vaccination was documented for 19%. **Conclusion:** Overall, none of the four standards were reached; however, TCD uptake has improved. There is a need for better documentation of treatment and annual re-audits.

**Keywords :** paediatric, haematology, sickle cell, audit

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