

# Regional Paediatric Antimicrobial Prescribing Point Prevalence Survey

## Summary

KESSEL-PAMS Network is one of several paediatric antimicrobial stewardship network pilots funded by NHSE. It aims to improve the use of antimicrobials in children and young people via collaborative networks across acute hospital trusts. This point prevalence survey serves as a regional antibiotic prescribing quality audit and feedback system, through which the quality of antimicrobial use can be monitored and fed back to prescribers, for ongoing service evaluation and quality improvement purposes. This is in keeping with the NICE guideline for antimicrobial stewardship systems and processes (NG15).

## Procedures

Colleagues in each individual trust will collect data on all paediatric and neonatal inpatients prescribed antimicrobials on dates agreed by the region. Colleagues will enter **non-patient identifiable data** onto the data collection form (MS Forms). The following data points will be collected:

- Patient location, lead specialty, age band (neonate, <3 months, >3 months)
- Antimicrobial prescription details including drug, route, indication, duration
- Presence of documentation of the above on prescription
- Compliance of choice with local or national empirical antimicrobial guidance
- Eligibility for IV to oral switch
- Presence of healthcare associated infection
- Prescribing behaviour and involvement of specialist input
- Number of inpatients on the ward

Local trusts can assign each patient a PPS participant code to allow for retrospective review of individual cases where aggregate data identifies an anomaly. A log can be kept within the local trust, providing this remains protected and not shared outside the trust. Re-identification can only be conducted by the local team leading the care of included patients.

Data will be analysed by the tertiary centre on a regular basis. Summarised aggregate data will be shared as reports provided to individual trusts with regional benchmarking of key quality indicators. Individual trusts can also request an excel copy of their local data.

Individual trusts can share such reports with their prescribers.

## Data protection and management

This project involves the sharing of non-patient identifiable data for the purposes of service evaluation and quality improvement. Anonymised data will be kept in Microsoft excel format on the NHS OneDrive account linked to the regional paediatric network lead. This will be accessible only by nhs.net account holders granted access to the data by the project regional lead. All data sharing will comply with the Data Protection Act 2018 and the UK General Data Protection Regulation (UK GDPR). Information shared within the Network will be used only for agreed purposes.

## Scope

There are four regions in England partaking in the network pilot, with scope for future inter-regional benchmarking of aggregate data, subject to approval.