

## HES DATA VALIDATION FOR PCTs – EMERGENCY READMISSION TO HOSPITAL FOLLOWING TREATMENT FOR A FRACTURED HIP

To calculate the validity of PCT-level HES data for use in the Performance Indicators two considerations were made:

### 1: Invalid/missing values

The following fields are the key fields for creating spells of care, used in calculating the HES PCT readmission indicator:

- Age at start of episode
- Sex
- Strategic Health Authority of residence
- Date of admission
- Method of admission
- Source of admission
- Date of discharge
- Method of discharge
- Destination on discharge
- Date episode started
- Date episode ended
- Episode order
- Main specialty
- Primary diagnosis

If too many admission episodes for a PCT have invalid or missing values then any results produced for that PCT will be suspect. Therefore if too many admission episodes are invalid, the results for the PCT are excluded. The level of cut-off is 15% missing/invalid.

### 2: Coverage

For each PCT the level of inpatient activity (ie the total number of finished consultant episodes) is compared to the resident population for the PCT and expressed as the number of units of activity per 100 head of population. Those areas with missing HES records (ie low coverage) will have low levels of activity per head of population. The cut-off is 15 units of activity per 100 head of population and organisations with activity levels lower than this are excluded.

### Consequence of Data Quality

PCTs will be excluded from the readmission indicator if the data fail either or both of the above data quality checks. Because PCTs are reliant on acute trusts to supply their HES data, excluded PCTs will be given a neutral value for this indicator.