

Input NJR File 1

Input table
[1] NHS Number
[2] Procedure date
[3] Hospital code
[4] Laterality

Requirements

Valid NHS Number

Yes

NHS funded operation?

Yes

NJR procedure date between 7 days before APC admission and 7 days after APC discharge.
OR NJR procedure date no more than 7 days before APC admission date and APC discharge date is null/missing?

Yes

No

Discount the record

Probabilistic Record Linkage

Probabilistic (Fuzzy) matching

Operation date
1.Exact match
2.NJR date between APC episode start date and episode end date
3.NJR procedure date on or after APC admission date AND NJR procedure date on or before APC discharge date

Hospital code
1.Exact match
2.APC hospital code is null/missing
3. NJR hospital code does not begin '7a'

APC specialty
1. Specialty code = 110

Laterality
1.Operation code begins 'w' AND NJR side = R and APC laterality = 'right' or NJR side = L and APC laterality = 'left'

APC operation code
1.Operation code in [long list of relevant OPCS codes for hip procedures]
2.Operation code begins 'w'
3.Operation code null or missing

Match probability derived from fuzzy matching odds, proportional to product of all scores.

Result

Is the match probability greater than or equal to 90%?

Yes

No

Classify as matched record

Classify as NO matched record