Value of Hospital Episodes Statistics (HES) Outpatient data in Outcomes Research

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HES Outpatient (OP) Data

- Individual records of outpatient appointments collected as part of Hospital Episode Statistic data
- Includes appointments in England only
- Includes data from 2003/2004 onwards
- Currently collected by CPRD for a subset of English practices only
- Will be available through CPRD for the entire English population by Q1 2014
HES Outpatient data – what is collected

- Patient information (gender, age, *ethnicity*)
- Appointment dates & patient attendance status
- Type of outpatient consultation
- Referral source
- Treatment Specialty seen
- Referral and treatment organisation (pseudonymised)
- *Clinical diagnosis*
- Operative Procedures performed
- Referral to Treatment (RTT) start and end; waiting times

What HES OP data adds – Referrals from hospital

Outpatient visits by referral source (2004-2012)
What HES OP data adds - DNAs

HES Outpatient Attendance status (2004-2012)

- Attended
- Appointment cancelled/Postponed
- DNA
- Not known

What HES OP data adds – Repeat Appointments

- Discharged from consultant’s care
- Another appointment given
- Appointment to be made at a later date
- Not known
What HES OP data adds - Procedures

Operative Procedures in HES OP data with a valid OPCS-code

Records with an Operative Procedure
Records with valid OPCS

Thousands

HES Year (01 April - 31 March)

What HES OP data adds – Specialty attended

General surgery
Urology
Trauma & orthopaedics

Ear, nose and throat (ENT)
Ophthalmology
General medicine

Cardiology
Anticoagulant service

Percent of Outpatient visits (%)
Limitations of HES OP

- Clinical diagnosis
- Test data are not captured
- Prescribing data are not captured
- Health Resource Group (HRG) coded data are not widely available
- Only available from 2003/2004 onward

Use of CPRD-HES OP data in HEOR

- Evaluate resource use and direct cost in the secondary care setting
  - Frequency and patterns of outpatient use among patient populations
  - Comparative analysis of use of outpatient services/costs among disease/treatment groups
  - Evaluate whether treatment results in shifts in health service use between inpatient and outpatient setting
- Continuity of care between primary and secondary care services
Summary

• HES OP data provides information on another important aspect of clinical care

• These data can help to complete the picture on resource use and costing in HEOR studies.