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Is Primary care prescribing for patients with HIV safe?

A review of practice in an inner London borough

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Background

• City and Hackney: characteristics

• Tower Hamlets: Results of an Audit*

• BHIVA Standards of Care 2013

Aims of the Review

Qu.1 Are GPs coding HIV status in ‘problem list’?
Qu.2 How well do secondary care clinics communicate with GPs?
Qu.3 Are GPs accurately documenting antiretroviral therapy?
Qu.4 Are GPs prescribing medications that are contraindicated with antiretroviral agents?

To inform GPs and update patient GP records
Methods

• Borough-wide retrospective case notes review commissioned by public health team
• All surgeries in City and Hackney invited to participate for an incentive fee
• Electronic notes searches to identify patients living with HIV
• A survey team member worked with individual GPs in running searches and collecting data (2-5 hours)
• GP records were updated and results fed back to individual surgeries
Recruitment

43 City and Hackney surgeries

31 surgeries participated

1,137 patients identified

1,022 patients HIV positive

115 patients HIV negative

12 surgeries did not participate
Results: Letters from secondary care clinics received by GPs

Of 698 secondary care clinic letters
636 (91%) contained details of ART
62 (9%) the specific ART was not detailed
Results: Variation in individual clinic communication in preceding 12 months

BHIVA Standard 3: audit standard 95% and above*

Anonymised secondary care clinics seeing over 30 patients (of the 825 at known clinics)

*British HIV Association Standards of care for people living with HIV in 2013: British HIV Association
Results: GP documentation

1011/1022 (99%) patients identified had HIV coded as a main diagnosis

- Few surrogate codes used
- Much better than previous suggestions*

* H E R Evans et al, Sex Transm Infect 2009;85:520-526
Results: GP antiretroviral documentation

**ART status**

- **On ART**: 787/1022 (77%)
- **Not on ART**: 111/1022 (11%)
- **Unknown ART status**: 124/1022 (12%)

**ARV recording in GP records**

- **Correctly coded**: 413/787 (52%)
- **Not/incorrectly coded**: 374/787 (48%)
Results: Contraindicated pairings

- On protease inhibitors and intranasal or inhaled mometasone/fluticasone/budesonide
  - 19/787 (2.4%) patients on ART

- On proton pump inhibitors and atazanavir or rilpivirine
  - 7/787 (0.9%)

- On antiretrovirals and simvastatin
  - 13/787 (1.7%)
Comments

• Borough-wide General Practice case notes analysis, on notes of patients who had already disclosed status to GPs
• Huge GP motivation and engagement
• Primary care coding of drugs prescribed in secondary care needs to improve for clear safety reasons but this relies on good communication
• Feeding back data to surgeries for presenting to colleagues is very important
• Is this be used as a future model for education and audit?
THANK YOU

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