

approaches to routine testing. A recent study showed that when a physician led model of testing is in place, 39.7% of all general medical patients are offered HIV tests.

**Aim(s)/objectives** Assess the feasibility and acceptability of a non-physician directed (NPD) model of HIV testing.

**Methods** Retrospective cohort study involving a review of the proportion of all medical admissions offered tests by a NPD model of HIV testing.

**Results** 57.9% (1973/3409) of all general medical admissions aged 18–79 were offered HIV tests. Acceptability was high with 96.7% (1908/1973) of offered patients having HIV tests. The mean age of patients offered and tested was 56.8 years.

**Discussion/conclusion** This study demonstrates superior feasibility and efficacy of a non-physician directed model of routine HIV testing. Although cost and culture remain important barriers of employing this strategy in many hospitals, the use of allied health professionals may be an important step in achieving National and International guidelines for HIV testing.

#### P89 DISCUSSION OF PARTNER NOTIFICATION, HIV TRANSMISSION, MEDICO-LEGAL ISSUES AND VOLUNTARY SECTOR SUPPORT AT FIRST HIV SPECIALIST REVIEW: AUDIT REPORT

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**Background/introduction** BHIVA testing guidelines recommend that partner notification, transmission of HIV and the medico-legal issues are discussed with patients at their first review with an HIV specialist. This should ideally occur within 48 h but no later than 2 weeks after diagnosis. Consideration of additional support from the voluntary sector is also advised.

**Aim(s)/objectives** To audit the documentation of the recommendations above.

**Methods** A retrospective audit of electronic clinic letters and paper records of all HIV patients diagnosed at our service between 01/2008–04/2014.

**Results** Overall, 182/187 (97%) had all the information discussed with them and documented in the notes. In 2008, three patients had missing information. One failed to return following a positive test so all information was missing. One had no record of voluntary sector discussion. One was missing information about transmission and medico-legal issues. In 2011, another patient tested positive and failed to return for review so all information was missing. In 2013, one patient had a missing record of medico-legal issues discussion. In all other years all information was discussed and recorded in patient records.

**Discussion/conclusion** Each of the recommendations were discussed and documented in nearly all cases, with an improvement noted after 2008 (the year the guidelines were published). Each recommendation has important public health implications with the potential to reduce onward transmission. The provision of voluntary sector information is crucial for providing patients with additional support during the challenging time following diagnosis and has the potential to impact on future retention in care.

#### P90 HOSPITALISATION IN HIV PATIENTS: ARE THE CAUSES OF ADMISSION CHANGING?

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**Background** With an ageing HIV cohort and increasing use of antiretroviral (ART) therapy it may be expected that HIV associated morbidity causing hospitalisation is changing.

**Aim** To describe hospital admissions over 2 years, and compare this to 2006 data to ascertain if there has been any change.

**Methods** Retrospective case review of HIV admissions during 2013–14. Patient diagnoses were classified as AIDS related, HIV related, ART toxicity related, and non-HIV related, with one main admission diagnosis.

**Results** 286 patients were hospitalised during 2013–14, accounting for 458 admissions. Mean age was 48 years, and 71% (203/286) of patients were on ART on admission. 35% (99/286) patients were admitted more than once in the same calendar year. CD4 count was <200 cells/mm<sup>3</sup> in 25% of admissions. 15% (69/458) were admitted for AIDS related causes compared with 20% reported in our 2006 data ( $p = 0.23$ ). Pneumocystis pneumonia (PCP) was the commonest diagnosis, comprising 33% (23/69) of AIDS admissions. 40% (185/458) of admissions were HIV related, including bacterial causes which accounted for 31% (142/458) of all admissions. Non-HIV causes accounted for 45% (204/458) of hospitalisations. There were no admissions for ART toxicity.

**Discussion** The number of admissions in HIV patients remains high, with a fifth of patients severely immunocompromised on admission. Although admissions secondary to AIDS-defining diagnoses have decreased this is not statistically significant. There is a need to improve strategic HIV testing to prevent late diagnosis and AIDS related conditions, with increased promotion and access of testing in non-GU settings.

#### P91 HIV IN SCOTLAND: PREDICTING THE NUMBER OF PEOPLE WHO ARE UNDER CD4 MONITORING AND RECEIVING ANTIRETROVIRAL THERAPY

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**Background/introduction** The number of people living with HIV in Scotland has increased in recent years as a result of the widespread use of antiretroviral therapy, improvements in testing, inward migration and new infections. Since these increases are expected to continue, it is imperative that HIV specialist care services understand how the number of people requiring care is going to change over time.

**Aim(s)/objectives** To predict the number of HIV positive individuals who are under CD4 monitoring (and thus in HIV specialist care) and receiving ART in Scotland for 2013–2020.

**Methods** Using CD4 monitoring data collected in Scotland for 2007–2012 we develop a statistical model that groups the HIV infected population into several categories depending on their CD4 count and ART status. The model is based upon a Markov