

**Background/introduction** National standards recommend eighty percent of new sexual health patients should have an HIV test. Thames Valley data from 2013 highlighted lower uptake of HIV testing in the region's only integrated sexual health service (SHS) compared to two local non-integrated services.

**Aim(s)/objectives** This audit measured differences in HIV testing uptake between genitourinary (GU) and contraception consultations in an integrated SHS and assessed the impact of a publicity campaign.

**Methods** SHHAPT codes and demographics were collected from all *new* patients over two weeks; non-coded patients were excluded. Retrospective case-note review differentiated GU from contraception presentations. 'National HIV testing week' posters were displayed in week 2. Data were analysed in Microsoft Excel.

**Results** Total sample size was 205 patients (week 1, N = 114, week 2, N = 91). 63% were female and 96% heterosexual. Age range was 14 to 83 (mean 31, standard deviation 13), with 36 countries of birth. Patients presented for GU issues (N = 126; 61%), contraception (N = 67; 33%) and combined (N = 12; 6%). HIV uptake differed between GU and contraception groups (81% v 30%). Between weeks 1 and 2, testing uptake increased by 4.5% in the total population and 10.6% in the GU group with minimal change in the contraception group.

**Discussion/conclusion** HIV testing uptake is higher in GU presentations compared to contraception presentations. This large discrepancy impacts overall testing figures. A publicity campaign may have increased GU uptake but had no impact on contraception consultations. Targeted education and opt out testing should be considered in integrated services.

#### P94 MORTALITY IN HIV POSITIVE PATIENTS IN A LARGE INNER CITY TEACHING HOSPITAL

Eleanor Hamlyn\*, Rebecca Simons, Ranjababu Kulasegaram. *St Thomas' Hospital, London, UK*

10.1136/sextrans-2015-052126.137

**Background/introduction** With the advent of highly active antiretroviral therapy (HAART) mortality among HIV positive patients has fallen significantly. Mortality review is important to target care and interventions appropriately.

**Methods** We reviewed mortality data from 2013 to 2014 for patients under the care of the HIV team at an inner city teaching hospital. There were 39 deaths in our cohort of 3400 patients.

**Results** Our cohort matched demographic data for people living with HIV in the UK in most respects: male to female ratio was approximately 7:3, 56% were Caucasian, 33% Black African. 21% of patients had acquired HIV via intravenous drug use (although only 2% of people living with HIV nationally are drug users). 28% were men who have sex with men. The median age of death was 47. The most common cause of death was malignancy (44%) followed by sepsis and ischaemic heart disease. Those with a CD4 count <200 at diagnosis survived on average 5.7 years before death. Those with a CD4 count >200 at diagnosis survived 9.7 years on average.

**Discussion/conclusion** In the post-HAART era, the majority of deaths in people with HIV are not HIV related. Nine patients, however, had an AIDS defining malignancy and three had active opportunistic infections. In the era of HAART, screening for chronic disease and malignancy is vital. Our data suggest that intravenous drug use is a significant factor in people dying at a

younger age with HIV. There remains a correlation between late diagnosis and increased risk of death.

#### P95 THE ABILITY OF THE ALERE™ HIVCOMBO POINT-OF-CARE TEST TO DETECT ACUTE HIV INFECTION

Naomi Fitzgerald\*, Maria Cross, Siobhan O'Shea, Julie Fox. *Guy's and St Thomas' Hospital, London, UK*

10.1136/sextrans-2015-052126.138

**Background/introduction** Detection of acute HIV infection is important in preventing HIV transmission and for consideration of early antiretroviral therapy. Fourth generation (4G) HIV tests detect p24 antigen and HIV antibody and should detect acute HIV infection prior to the development of antibodies. An early version fourth generation (4G) point-of-care (POCT) test demonstrated low levels of sensitivity for p24Ag.

**Aim(s)/objectives** To assess the ability of the new Alere™ HIV Combo 4G POCT to detect p24 antigen in patients with laboratory confirmed p24 antigenaemia.

**Methods** P24 antigen positive serum samples were tested using the Alere™ HIV-Combo POCT and read at 20 and 40 min. One sample gave an invalid result and was excluded. P24 antigen levels from the VIDAS quantitative HIV p24 11 assay, used as routine HIV confirmatory tests by our laboratory, were recorded for comparison.

**Results** Twenty-four out of 27 samples (89%) were p24 antigen positive at 20 min and 25/27 (93%) samples were positive at 40 min. There were two false negative samples, shown to have the lowest levels of p24 antigen (27.6 and 8.3 pg/ml) of the 27 samples. The mean p24 antigen level with the VIDAS quantitative HIV p24 11 assay for the cohort was 236.2 (Range 8.3->400 pg/ml). The Alere™ HIV Combo POCT detected all P24 antigen at levels >30 pg/ml.

**Discussion/conclusion** The Alere™ HIV Combo POCT has 89% sensitivity for p24 antigen at 20 min and 93% at 40 min. These preliminary results suggest that the new Alere™ HIV Combo POCT may be able to detect early infection adequately.

#### P96 ACCESS OF LEVEL 2 SEXUAL HEALTH SERVICES BY MEN WHO HAVE SEX WITH MEN: WHO GOES AND WHAT SERVICES DO THEY GET?

Helen Mebrahtu\*, Bersabeh Sile, Hamish Mohammed, John Were, Mandy Yung, Gwenda Hughes. *Public Health England, London, UK*

10.1136/sextrans-2015-052126.139

**Background** Men who have sex with men (MSM) bear a disproportionate burden of sexually transmitted infections (STIs) including HIV. While routine STI surveillance data indicate MSM regularly access genitourinary medicine (GUM) services for their sexual health care, the extent to which MSM attend non-specialist Level 2 sexual health services is unclear. We investigated access of Level 2 services by MSM in England.

**Methods** We used provisional data from the GUM Clinic Activity Dataset (GUMCADv2) to compare the characteristics, service usage and outcomes between MSM accessing GUM and Level 2 services who reported data in 2013.

**Results** Of all male attendances where sexual orientation was recorded, 12.3% (6,957/57,048) of Level 2 attendances were among MSM compared to 26.3% (299,456/1,139,424) of GUM attendances (p < 0.001). MSM attending Level 2 compared to