

Poster presentation

Abstract P192 Table 1 Delegates choosing GUM as a speciality following taster day

Speciality	Number of trainees (% choosing speciality)
GUM	17 (36)
GP	10 (21)
Microbiology/radiology	3 each (6)
ID/Public health/Surgery/O&G	2 each (4)
Dermatology/oncology/geriatrics/rheumatology/ACCS/psychiatry	1 each (2)
Total	47

P193 A MIXED-METHOD STUDY OF HOW TO INCREASE STI SCREENING AMONG YOUNG PEOPLE

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Background STIs are a considerable problem, with diagnoses concentrated among young people. Although the Theory of Planned Behaviour (TPB) predicts many health behaviours, there is a lack of research into how well it explains STI testing. The original TPB emphasised the importance of intentions as the ultimate influence on behaviour. Subsequent research focuses on implementation intentions—people who make explicit plans for how to implement their intentions are more likely to do so. Although some studies have analysed barriers and facilitators in STI testing, no published research has examined what impact developing implementation plans has. This study was designed to address this knowledge gap.

Objectives To assess an extended TPB and implementation intention interventions on STI testing; to carry out a qualitative study of barriers and facilitators in those who intend to test.

Methods 371 participants completed an online baseline questionnaire and were randomly allocated to a control, information or implementation plan condition to examine differential effects on intentions to undergo STI testing. 172 completed a 6-week follow-up questionnaire to assess actual testing behaviour. In-depth interviews were conducted with a purposive selection of the sample and analysed using interpretative phenomenological analysis.

Results Multivariate analysis revealed that TPB variables explained 20% of the variance in past testing behaviour ($p < 0.01$) and 17% of variance in intention ($p < 0.01$). No significant difference between intervention arms was found ($p = 0.90$) (the intervention did not significantly strengthen intentions). Qualitative analysis revealed multiple perceived barriers to STI testing.

Conclusion Results provide support for the utility of an extended TPB in predicting past behaviour and intentions to undergo STI testing. Although the implementation plan intervention was ineffective, qualitative data helped explain why a significant intervention effect was not found.

P194 THE USE OF CAPTURE RE-CAPTURE TO ASSESS COMPLETENESS OF REPORTING OF SYPHILIS CASES AND TO GUIDE INTERVENTIONS FOR IMPROVEMENT

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Background Two North East Syphilis outbreaks underlined the need for complete reporting of cases. Completeness was assessed by comparing GUMCAD with regional Enhanced Syphilis Surveillance. Capture–recapture studies were undertaken at yearly intervals to

estimate the true number of cases and put forward recommendations to improve reporting completeness.

Objectives The objectives were to assess completeness of reporting of Syphilis cases in two surveillance systems, estimate the true number of cases, and provide recommendations for improving Syphilis reporting.

Methods Completeness of reporting was assessed for the period January 2010–June 2010 using capture–recapture methodology to estimate the true number of cases. Intervention A (clinic visits discussing findings) was performed and the effect measured by repeating the process. Follow-up studies were undertaken covering January 2010 to Jun 2011 to measure the effect and a different intervention B (linelists sent to clinics) was performed.

Results In the initial audit neither system included more than 73% of the estimated true burden of cases, although the aggregate figures suggested they were similar. After intervention A this increased to 94% in GUMCAD. The second audit showed a decreasing trend of reporting completeness after June 2010 to an average of 84% in January 2010–June 2011. After intervention B this improved to 96%. Causes of incompleteness in GUMCAD included incorrect coding and failure to record cases identified during screening leading to under-matching and overestimation of the total burden.

Discussion Completeness of reporting before intervention was 84% in GUMCAD suggesting the true number of syphilis cases was 19% higher than reported by official statistics. Completeness increased after intervention A but subsequently declined and a further intervention was required to maintain data quality. Regular feedback of case lists to clinics to check for missing cases can enhance completeness of Syphilis surveillance.

P195 ASKING ABOUT SEX IN GENERAL HEALTH SURVEYS: IT CAN BE DONE! COMPARING DATA COLLECTED BY THE 2010 HEALTH SURVEY FOR ENGLAND WITH NATSAL

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Objectives The HSE is administered annually to a probability sample of people in England. In 2010, the HSE included, for the first time, questions about sexual health, which previously were considered too sensitive for a general health survey. This paper compares the reporting of sexual behaviours by people aged 16–44 in HSE2010 with Natsal-2, Britain's national probability survey of sexual behaviour.

Methods HSE2010 interviewed 8420 people aged 16–69, of whom 2911 were 16–44. Natsal-2 interviewed 12 110 people aged 16–44 in 1999/2001. HSE2010 used pen-and-paper self-completion questionnaires for the sexual health questions, while Natsal-2 used computer-assisted self-interviews for the more sensitive questions.

Results Collecting sexual behaviour data were acceptable to HSE2010 participants with low item non-response (5%–10%), albeit slightly higher than in Natsal-2 (<5%). Reported age at 1st intercourse was comparable in the two surveys: medians of 17 (men) and 16 (women) aged 16–24. However, for some very sensitive questions there were lower levels of reporting in HSE2010 than in Natsal-2: while the proportion reporting same-sex in the last 5 years was similar (2%–3%), reporting of ever having same-sex was lower in HSE2010 for men (2% vs 5% in Natsal-2). Similarly, the mean number of opposite-sex partners reported in HSE2010 was a little lower than in Natsal-2, particularly for men: 9.5 vs 12.7, respectively; (5.4 vs 6.5 for women, respectively). Men were also slightly less likely to report STI diagnoses in HSE2010 vs Natsal-2: 8.7% vs 11.1%, respectively; but this was reported by similar proportions of women (12%).

Discussion Sexual behaviour data can be successfully collected by the HSE, albeit in less detail than in Natsal. HSE2010 has