## Appendix tables and figures

**Manuscript title:** HIV testing amongst older sexual health clinic attendees in England: an epidemiological study

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| Table A1: Sexual health clinic attendance, HIV tests offered, HIV tests accepted and test coverage in younger (15-49 years) and older adults (50+ years) in sexual health services per annum from 2009 to 2014, England |
|  | **Heterosexual males** | **Men who have sex with men** | **Heterosexual females** | **All groups\*** |
| **Attended** | **Offered testing** | **Accepted test offer** | **Test coverage (%)** | **Attended** | **Offered testing** | **Accepted test offer** | **Test coverage (%)** | **Attended** | **Offered testing** | **Accepted test offer** | **Test coverage (%)** | **Attended** | **Offered testing** | **Accepted test offer** | **Test coverage (%)** |
| 2009 | **15-49 years** | 361,895 | 323,210 (89.3%) | 261,540 (80.9%) | 72.3% | 49,705 | 42,804 (86.1%) | 39,309 (91.8%) | 79.1% | 461,275 | 400,607 (86.8%) | 310,132 (77.4%) | 67.2% | 1,020,968 | 884,795 (86.7%) | 709,229 (79.4%) | 69.5% |
| **50+ years** | 22,710 | 18,068 (79.6%) | 14,284 (79.1%) | 62.9% | 5,818 | 4,523 (77.7%) | 4,002 (88.5%) | 68.8% | 14,941 | 10,943 (73.2%) | 8,317 (76.0%) | 55.7% | 50,917 | 38,411 (75.4%) | 30,593 (79.6%) | 60.1% |
| **All age groups** | 385,097 | 341,615 (88.7%) | 276,041 (80.8%) | 71.7% | 55,556 | 47,344 (85.2%) | 43,327 (91.5%) | 78.0% | 479,142 | 413,715 (86.3%) | 319,800 (77.3%) | 66.7% | 1,076,466 | 926,228 (86.0%) | 741,776 (80.1%) | 68.9% |
| 2010 | **15-49 years** | 404,093 | 360,797 (89.3%) | 295,004 (81.2%) | 73.0% | 58,797 | 51,714 (88.0%) | 48,105 (93.0%) | 81.8% | 528,218 | 453,970 (85.9%) | 353,717 (77.9%) | 67.0% | 1,093,209 | 945,269 (86.5%) | 763,600 (80.8%) | 69.8% |
| **50+ years** | 27,138 | 21,722 (80.0%) | 17,601 (81.0%) | 64.9% | 7,057 | 5,777 (81.9%) | 5,177 (89.6%) | 73.4% | 18,385 | 13,592 (73.9%) | 10,523 (77.4%) | 57.2% | 58,469 | 44,696 (76.4%) | 36,251 (81.1%) | 62.0% |
| **All age groups** | 431,709 | 382,855 (88.7%) | 312,806 (81.7%) | 72.5% | 65,885 | 57,510 (87.3%) | 53,297 (92.7%) | 80.9% | 549,567 | 469,773 (85.5%) | 365,527 (77.8%) | 66.5% | 1,156,144 | 992,958 (85.9%) | 801,666 (80.7%) | 69.3% |
| 2011 | **15-49 years** | 434,973 | 388,118 (89.2%) | 325,913 (84.0%) | 74.9% | 67,907 | 60,451 (89.0%) | 57,183 (94.6%) | 84.2% | 587,108 | 500,213 (85.2%) | 400,623 (80.1%) | 68.2% | 1,167,447 | 1,001,415 (85.8%) | 829,478 (82.8%) | 71.1% |
| **50+ years** | 30,061 | 24,307 (80.9%) | 20,101 (82.7%) | 66.9% | 7,939 | 6,625 (83.4%) | 6,007 (90.7%) | 75.7% | 21,171 | 15,714 (74.2%) | 12,517 (79.7%) | 59.1% | 63,747 | 49,118 (77.1%) | 40,799 (83.1%) | 64.0% |
| **All age groups** | 465,546 | 412,769 (88.7%) | 346,226 (83.9%) | 74.4% | 75,898 | 67,116 (88.4%) | 63,297 (94.3%) | 83.4% | 611,696 | 518,326 (84.7%) | 414,719 (80.0%) | 67.8% | 1,236,208 | 1,053,843 (85.2%) | 872,436 (82.8%) | 70.6% |
| 2012 | **15-49 years** | 447,952 | 402,383 (89.8%) | 341,088 (84.8%) | 76.1% | 75,458 | 67,243 (89.1%) | 64,280 (95.6%) | 85.2% | 623,650 | 527,006 (84.5%) | 424,505 (80.6%) | 68.1% | 1,207,548 | 1,037,507 (85.9%) | 865,174 (83.4%) | 71.6% |
| **50+ years** | 32,231 | 26,497 (82.2%) | 22,162 (83.6%) | 68.8% | 9,223 | 7,639 (82.8%) | 7,092 (92.8%) | 76.9% | 23,396 | 17,389 (74.3%) | 13,871 (79.8%) | 59.3% | 68,378 | 53,543 (78.3%) | 44,871 (83.8%) | 65.6% |
| **All age groups** | 480,675 | 429,221 (89.3%) | 363,496 (84.7%) | 75.6% | 84,728 | 74,921 (88.4%) | 71,406 (95.3%) | 84.3% | 650,220 | 546,590 (84.1%) | 439,787 (80.5%) | 67.6% | 1,280,546 | 1,094,045 (85.4%) | 911,960 (83.4%) | 71.2% |
| 2013 | **15-49 years** | 459,391 | 417,026 (90.8%) | 353,718 (84.8%) | 77.0% | 80,014 | 72,257 (90.3%) | 69,325 (95.9%) | 86.6% | 678,207 | 572,876 (84.5%) | 448,322 (78.3%) | 66.1% | 1,273,176 | 1,097,254 (86.2%) | 901,002 (82.1%) | 70.8% |
| **50+ years** | 34,278 | 28,856 (84.2%) | 24,162 (83.7%) | 70.5% | 10,226 | 8,699 (85.1%) | 8,151 (93.7%) | 79.7% | 26,149 | 19,799 (75.7%) | 15,577 (78.7%) | 59.6% | 73,849 | 59,173 (80.1%) | 49,446 (83.6%) | 67.0% |
| **All age groups** | 494,230 | 446,276 (90.3%) | 378,112 (84.7%) | 76.5% | 90,282 | 80,989 (89.7%) | 77,508 (95.7%) | 85.9% | 708,008 | 595,250 (84.1%) | 465,379 (78.2%) | 65.7% | 1,352,090 | 1,159,785 (85.8%) | 952,376 (82.1%) | 70.4% |
| 2014 | **15-49 years** | 460,604 | 422,188 (91.7%) | 356,834 (84.5%) | 77.5% | 92,528 | 84,782 (91.6%) | 81,253 (95.8%) | 87.8% | 729,261 | 622,514 (85.4%) | 467,411 (75.1%) | 64.1% | 1,350,563 | 1,167,880 (86.5%) | 934,873 (80.0%) | 69.2% |
| **50+ years** | 36,115 | 30,707 (85.0%) | 25,569 (83.3%) | 70.8% | 11,408 | 10,002 (87.7%) | 9,394 (93.9%) | 82.3% | 29,623 | 23,094 (78.0%) | 17,701 (76.6%) | 59.8% | 81,136 | 65,831 (81.1%) | 54,261 (82.4%) | 66.9% |
| **All age groups** | 497,455 | 453,399 (91.1%) | 382,743 (84.4%) | 76.9% | 104,028 | 94,862 (91.2%) | 90,719 (95.6%) | 87.2% | 763,504 | 648,721 (85.0%) | 486,764 (75.0%) | 63.8% | 1,439,212 | 1,238,462 (86.1%) | 991,816 (80.1%) | 68.9% |
| All years | **15-49 years** | 2,568,908 | 2,313,722 (90.1%) | 1,934,097 (83.6%) | 75.3% | 424,409 | 379,251 (89.4%) | 359,455 (94.8%) | 84.7% | 3,607,719 | 3,077,186 (85.3%) | 2,404,740 (78.1%) | 66.7% | 7,112,911 | 6,134,120 (86.2%) | 5,003,356 (81.6%) | 70.3% |
| **50+ years** | 182,533 | 150,157 (82.3%) | 123,879 (82.5%) | 67.9% | 51,671 | 43,265 (83.7%) | 39,893 (92.2%) | 77.2% | 133,665 | 100,531 (75.2%) | 78,506 (78.1%) | 58.7% | 396,492 | 310,772 (78.4%) | 256,221 (82.4%) | 64.6% |
| **All age groups** | 2,754,712 | 2,446,135 (88.8%) | 2,059,424 (84.2%) | 74.8% | 476,377 | 422,742 (88.7%) | 399,554 (94.5%) | 83.9% | 3,762,137 | 3,192,375 (84.9%) | 2,491,976 (78.1%) | 66.2% | 7,540,666 | 6,465,231 (85.7%) | 5,272,030 (81.5%) | 69.9% |

**Table A2: Association between age and test offer, acceptance and coverage in sexual health clinics in England, by sexual orientation, 2009 to 2014 (Spearman’s Rho calculations)**

|  |  |
| --- | --- |
|  | Sexual orientation |
| Year | **Heterosexual males** | **MSM** | **Heterosexual females** | **All groups (including WSW)** |
| **Offered** | **Accepted** | **Coverage** | **Offered** | **Accepted** | **Coverage** | **Offered** | **Accepted** | **Coverage** | **Offered** | **Accepted** | **Coverage** |
| 2009 | -0.988\*\*\* | -0.545 | -0.951 \*\*\* | -0.797\*\*\* | -0.600\* | -0.734 \*\* | -0.958 \*\*\* | -0.611\* | -0.825 \*\*\* | -0.958\*\*\* | -0.364 | -0.846 \*\*\* |
| 2010 | -0.979\*\*\* | -0.434 | -0.923 \*\*\* | -0.923\*\*\* | -0.601\* | -0.762 \*\* | -0.951\*\*\* | -0.483 | -0.792 \*\* | -0.958\*\*\* | -0.070 | -0.792 \*\* |
| 2011 | -0.979\*\*\* | -0.441 | -0.930 \*\*\* | -0.944\*\*\* | -0.692\* | -0.795 \*\* | -0.958\*\*\* | -0.483 | -0.790 \*\* | -0.958 \*\*\* | -0.385 | -0.741 \*\* |
| 2012 | -0.958\*\*\* | -0.505 | -0.888 \*\* | -0.932\*\*\* | -0.954 \*\*\* | - 0.902 \*\*\* | -0.956\*\*\* | -0.536 | -0.797 \*\* | -0.930**\*\*\*** | -0.088 | -0.736**\*\*** |
| 2013 | -0.958\*\*\* | -0.483 | -0.797\*\* | -0.863\*\*\* | -0.716 \*\* | -0.858 \*\*\* | -0.958\*\*\* | -0.406 | -0.734 \*\* | -0.930 \*\*\* | -0.141 | -0.591\* |
| 2014 | -0.923\*\*\* | -0.438 | -0.783\*\* | -0.897\*\*\* | -0.697\* | -0.881\*\*\* | -0.958\*\*\* | -0.238 | -0.699 | -0.797 \*\* | -0.547 | -0.559 |
| \* p <0.05; \*\* p <0.01; \*\*\* p <0.001  |

**Figure A1: Proportion of eligible sexual health clinic attendees offered a HIV test, by sexual orientation – 2009 to 2014**

*A1a: All groups*

*A1b: Heterosexual females*

*A1c: Heterosexual males*

*A1d: MSM*

**Figure A2: Proportion of eligible sexual health clinic attendees accepting a HIV test offer, by sexual orientation – 2009 to 2014**

*A2a: All groups*

*A2b: Heterosexual females*

*A2c: Heterosexual males*

*A2d: MSM*

**Figure A3: Proportion of eligible sexual health clinic attendees tested for HIV, by sexual orientation – 2009 to 2014**

*A3a: All groups*

*A3b: Heterosexual females*

*A3c: Heterosexual males*

*A3d: MSM*