Epidemiology and Infection: Use of gender distribution in routine surveillance data to detect potential transmission of gastrointestinal infections among men who have sex with men in England

P Mook, D Gardiner, S Kanagarajah, M Kerac, G Hughes, N Field, N McCarthy, C Rawlings, I Simms, C Lane, P. D. Crook

**Supplementary material**

S 1. Cases aged 16 to 65 years diagnosed with *Shigella* spp. infection with no reported travel history, by sex, male-to-female ratio and percentage male for age groups and high and low-risk locations, England, 2003–2013

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age group or location** | **Sex, m:f ratio & percent-age male** | **2003** | **2004** | **2005** | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **Total** | **p value†** |
| <16 years | Female | 107 | 114 | 124 | 105 | 123 | 133 | 122 | 145 | 132 | 125 | 99 | **1329** | 0.388 |
| Male | 99 | 134 | 125 | 120 | 124 | 150 | 130 | 159 | 158 | 130 | 118 | **1447** |  |
| Ratio | 0.9 | 1.2 | 1.0 | 1.1 | 1.0 | 1.1 | 1.1 | 1.1 | 1.2 | 1.0 | 1.2 | **1.1** |  |
| Percentage (95% CI) | 48.1 (41.1-55.1) | 54 (47.6-60.4) | 50.2 (43.8-56.6) | 53.3 (46.6-60.0) | 50.2 (43.8-56.6) | 53.0 (47.0-58.9) | 51.6 (45.2-57.9) | 52.3 (46.5-58) | 54.5 (48.6-60.3) | 51.0 (44.7-57.3) | 54.4 (47.5-61.1) | **52.1 (50.2-54)** |  |
| 16-24 years | Female | 50 | 90 | 88 | 78 | 108 | 80 | 137 | 117 | 74 | 42 | 53 | **917** | <0.001 |
| Male | 44 | 43 | 52 | 29 | 71 | 71 | 54 | 63 | 63 | 69 | 76 | **635.0** |  |
| Ratio | 0.9 | 0.5 | 0.6 | 0.4 | 0.7 | 0.9 | 0.4 | 0.5 | 0.9 | 1.6 | 1.4 | **0.7** |  |
| Percentage (95% CI) | 46.8 (36.4-57.4) | 32.3 (24.5-41) | 37.1 (29.1-45.7) | 27.1 (19.0-36.6) | 39.7 (32.4-47.2) | 47.0 (38.9-55.3) | 28.3 (22.0-35.2) | 35.0 (28.1-42.4) | 46.0 (37.4-54.7) | 62.2 (52.5-71.2) | 58.9 (49.9-67.5) | **40.9 (38.5-43.4)** |  |
| 25-49 years | Female | 224 | 236 | 310 | 278 | 366 | 317 | 349 | 335 | 256 | 199 | 186 | **3056** | <0.001 |
|  | Male | 186 | 265 | 269 | 208 | 280 | 270 | 324 | 454 | 393 | 475 | 541 | **3665** |  |
|  | Ratio | 0.8 | 1.1 | 0.9 | 0.7 | 0.8 | 0.9 | 0.9 | 1.4 | 1.5 | 2.4 | 2.9 | **1.2** |  |
|  | Percentage (95% CI) | 45.4 (40.5-50.3) | 52.9 (48.4-57.3) | 46.5 (42.3-50.6) | 42.8 (38.4-47.3) | 43.3 (39.5-47.3) | 46.0 (41.9-50.1) | 48.1 (44.3-52.0) | 57.5 (54.0-61.0) | 60.6 (56.7-64.3) | 70.5 (66.9-73.9) | 74.4 (71.1-77.6) | **54.5 (53.3-55.7)** |  |
| 50-65 years | Female | 68 | 84 | 112 | 91 | 134 | 130 | 126 | 159 | 104 | 73 | 63 | **1144** | <0.001 |
| Male | 43 | 105 | 79 | 82 | 99 | 116 | 87 | 132 | 126 | 96 | 124 | **1089** |  |
| Ratio | 0.6 | 1.3 | 0.7 | 0.9 | 0.7 | 0.9 | 0.7 | 0.8 | 1.2 | 1.3 | 2.0\* | **1.0** |  |
| Percentage (95% CI) | 38.7 (29.6-48.5) | 55.6 (48.2-62.8) | 41.4 (34.3-48.7) | 47.4 (39.8-55.1) | 42.5 (36.1-49.1) | 47.2 (40.8-53.6) | 40.8 (34.2-47.8) | 45.4 (39.5-51.3) | 54.8 (48.1-61.3) | 56.8 (49.0-64.4) | 66.3 (59.1-73.0) | **48.8 (46.7-50.9)** |  |
|  Brighton, London or Manchester | Female | 92 | 116 | 136 | 112 | 147 | 147 | 166 | 136 | 149 | 124 | 117 | **1442** | <0.001 |
| Male | 107 | 174 | 125 | 111 | 155 | 161 | 194 | 277 | 270 | 359 | 470 | **2403** |  |
| Ratio | 1.2 | 1.5 | 0.9 | 1.0 | 1.1 | 1.1 | 1.2 | 2.0 | 1.8 | 2.9 | 4.0 | **1.7** |  |
| Percentage (95% CI) | 53.8 (46.6-60.8) | 60 (54.1-65.7) | 47.9 (41.7-54.1) | 49.8 (43.0-56.5) | 51.3 (45.5-57.1) | 52.3 (46.5-58.0) | 53.9 (48.6-59.1) | 67.1 (62.3-71.6) | 64.4 (59.6-69.0) | 74.3 (70.2-78.2) | 80.1 (76.6-83.2) | **62.5 (60.9-64)** |  |
| Other location | Female | 250 | 294 | 374 | 335 | 461 | 380 | 446 | 475 | 285 | 190 | 185 | **3675** | <0.001 |
| Male | 166 | 239 | 275 | 208 | 295 | 296 | 271 | 372 | 312 | 281 | 271 | **2986** |  |
| Ratio | 0.7 | 0.8 | 0.7 | 0.6 | 0.6 | 0.8 | 0.6 | 0.8 | 1.1 | 1.5 | 1.5 | **0.8** |  |
| Percentage (95% CI) | 39.9 (35.2-44.8) | 44.8 (40.6-49.2) | 42.4 (38.5-46.3) | 38.3 (34.2-42.5) | 39.0 (35.5-42.6) | 43.8 (40.0-47.6) | 37.8 (34.2-41.5) | 43.9 (40.5-47.3) | 52.3 (48.2-56.3) | 59.7 (55.1-64.1) | 59.4 (54.8-64.0) | **44.8 (43.6-46)** |  |

†Chi-squared test for linear trend; CI, Confidence Interval; \*Met threshold on rounding up.

Ratios above a threshold of two or where the percentage male has a lower confidence interval above 50% are shaded.

S 2. Cases aged 16 to 65 years diagnosed with *Entamoeba histolytica* infection with no reported travel history, by sex, male-to-female ratio and percentage male for age groups and high and low-risk locations, England, 2003–2013

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age group or location** | **Sex, m:f ratio & percentage male** | **2003** | **2004** | **2005** | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **Total** | **p value†** |
| <16 years | Female | 9 | 3 | 2 | 3 | 6 | 2 | 4 | 3 | 4 | 7 | 4 | **47** | 0.325 |
| Male | 6 | 3 | 5 | 5 | 4 | 12 | 5 | 7 | 9 | 8 | 2 | **66** |  |
| Ratio | 0.7 | 1.0 | 2.5 | 1.7 | 0.7 | 6.0 | 1.3 | 2.3 | 2.3 | 1.1 | 0.5 | **1.4** |  |
| Percentage (95% CI) | 40.0 (16.3-67.7) | 50.0 (11.8-88.2) | 71.4 (29.0-96.3) | 62.5 (24.5-91.5) | 40.0 (12.2-73.8) | 85.7 (57.2-98.2) | 55.6 (21.2-86.3) | 70.0 (34.8-93.3) | 69.2 (38.6-90.9) | 53.3 (26.6-78.7) | 33.3 (4.3-77.7) | **58.4 (48.8-67.6)** |  |
| 16-24 years | Female | 13 | 13 | 11 | 4 | 5 | 9 | 3 | 8 | 6 | 11 | 3 | **86** | 0.86 |
| Male | 12 | 12 | 13 | 8 | 6 | 7 | 7 | 6 | 10 | 14 | 7 | **102.0** |  |
| Ratio | 0.9 | 0.9 | 1.2 | 2.0 | 1.2 | 0.8 | 2.3 | 0.8 | 1.7 | 1.3 | 2.3 | **1.2** |  |
| Percentage (95% CI) | 48.0 (27.8-68.7) | 48.0 (27.8-68.7) | 54.2 (32.8-74.4) | 66.7 (34.9-90.1) | 54.5 (23.4-83.3) | 43.8 (19.8-70.1) | 70.0 (34.8-93.3) | 42.9 (17.7-71.1) | 62.5 (35.4-84.8) | 56.0 (34.9-75.6) | 70.0 (34.8-93.3) | **54.3 (46.8-61.5)** |  |
| 25-49 years | Female | 35 | 44 | 38 | 30 | 18 | 38 | 20 | 19 | 21 | 35 | 20 | **318** | 0.313 |
| Male | 102 | 114 | 93 | 87 | 55 | 57 | 49 | 37 | 68 | 70 | 37 | **769** |  |
| Ratio | 2.9 | 2.6 | 2.4 | 2.9 | 3.1 | 1.5 | 2.5 | 1.9 | 3.2 | 2.0 | 1.9 | **2.4** |  |
| Percentage (95% CI) | 74.5 (66.3-81.5) | 72.2 (64.5-79) | 71.0 (62.4-78.6) | 74.4 (65.5-82) | 75.3 (63.9-84.7) | 60.0 (49.4-69.9) | 71.0 (58.8-81.3) | 66.1 (52.2-78.2) | 76.4 (66.2-84.8) | 66.7 (56.8-75.6) | 64.9 (51.1-77.1) | **70.7 (67.9-73.4)** |  |
| 50-65 years | Female | 8 | 14 | 12 | 14 | 10 | 4 | 6 | 3 | 7 | 10 | 9 | **97** | 0.574 |
| Male | 20 | 24 | 29 | 15 | 16 | 12 | 14 | 10 | 30 | 20 | 19 | **209** |  |
| Ratio | 2.5 | 1.7 | 2.4 | 1.1 | 1.6 | 3.0 | 2.3 | 3.3 | 4.3 | 2.0 | 2.1 | **2.2** |  |
| Percentage (95% CI) | 71.4 (51.3-86.8) | 63.2 (46.0-78.2) | 70.7 (54.5-83.9) | 51.7 (32.5-70.6) | 61.5 (40.6-79.8) | 75.0 (47.6-92.7) | 70.0 (45.7-88.1) | 76.9 (46.2-95) | 81.1 (64.8-92) | 66.7 (47.2-82.7) | 67.9 (47.6-84.1) | **68.3 (62.8-73.5)** |  |
| Brighton. London or Manchester | Female | 27 | 30 | 40 | 10 | 4 | 8 | 7 | 12 | 12 | 19 | 10 | **179** | 0.132 |
| Male | 76 | 88 | 88 | 70 | 22 | 24 | 25 | 20 | 41 | 43 | 22 | **519** |  |
| Ratio | 2.8 | 2.9 | 2.2 | 7.0 | 5.5 | 3.0 | 3.6 | 1.7 | 3.4 | 2.3 | 2.2 | **2.9** |  |
| Percentage (95% CI) | 73.8 (64.2-82.0) | 74.6 (65.7-82.1) | 68.8 (60.0-76.6) | 87.5 (78.2-93.8) | 84.6 (65.1-95.6) | 75.0 (56.6-88.5) | 78.1 (60.0-90.7) | 62.5 (43.7-78.9) | 77.4 (63.8-87.7) | 69.4 (56.3-80.4) | 68.8 (50.0-83.9) | **74.4 (70.9-77.6)** |  |
| Other location | Female | 29 | 41 | 21 | 38 | 29 | 43 | 22 | 18 | 22 | 37 | 22 | **322** | 0.100 |
| Male | 58 | 62 | 47 | 40 | 55 | 52 | 45 | 33 | 67 | 61 | 41 | **561** |  |
| Ratio | 2.0 | 1.5 | 2.2 | 1.1 | 1.9 | 1.2 | 2.0 | 1.8 | 3.0 | 1.6 | 1.9 | **1.7** |  |
| Percentage (95% CI) | 66.7 (55.7-76.4) | 60.2 (50.1-69.7) | 69.1 (56.7-79.8) | 51.3 (39.7-62.8) | 65.5 (54.3-75.5) | 54.7 (44.2-65.0) | 67.2 (54.6-78.2) | 64.7 (50.1-77.6) | 75.3 (65.0-83.8) | 62.2 (51.9-71.8) | 65.1 (52.0-76.7) | **63.5 (60.3-66.7)** |  |

†Chi-squared test for linear trend; CI, Confidence Interval.Ratios above a threshold of two or where the percentage male has a lower confidence interval above 50% are shaded.

S3. Cases aged 16 to 65 years diagnosed with Hepatitis A infection with no reported travel history, by sex, male-to-female ratio and percentage male for age groups and high and low-risk locations, England, 2003–2013

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age group or location** | **Sex, m:f ratio & percentage male** | **2003** | **2004** | **2005** | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **Total** | **p value†** |
| <16 years | Female | 82 | 49 | 28 | 50 | 26 | 37 | 19 | 33 | 26 | 28 | 33 | **411** | 0.635 |
| Male | 79 | 53 | 37 | 39 | 27 | 36 | 40 | 44 | 30 | 31 | 25 | **441** |  |
| Ratio | 1.0 | 1.1 | 1.3 | 0.8 | 1.0 | 1.0 | 2.1 | 1.3 | 1.2 | 1.1 | 0.8 | **1.1** |  |
| Percentage (95% CI) | 49.1 (41.1-57.1) | 52.0 (41.8-62.0) | 56.9 (44.0-69.2) | 43.8 (33.3-54.7) | 50.9 (36.8-64.9) | 49.3 (37.4-61.3) | 67.8 (54.4-79.4) | 57.1 (45.4-68.4) | 53.6 (39.7-67.0) | 52.5 (39.1-65.7) | 43.1 (30.2-56.8) | **51.8 (48.3-55.2)** |  |
| 16-24 years | Female | 93 | 37 | 22 | 21 | 26 | 49 | 31 | 21 | 12 | 12 | 22 | **346** | <0.001 |
| Male | 205 | 52 | 43 | 46 | 27 | 52 | 38 | 33 | 17 | 25 | 11 | **549.0** |  |
| Ratio | 2.2 | 1.4 | 2.0\* | 2.2 | 1.0 | 1.1 | 1.2 | 1.6 | 1.4 | 2.1 | 0.5 | **1.6** |  |
| Percentage (95% CI) | 68.8 (63.2-74.0) | 58.4 (47.5-68.8) | 66.2 (53.4-77.4) | 68.7 (56.2-79.4) | 50.9 (36.8-64.9) | 51.5 (41.3-61.6) | 55.1 (42.6-67.1) | 61.1 (46.9-74.1) | 58.6 (38.9-76.5) | 67.6 (50.2-82.0) | 33.3 (18.0-51.8) | **61.3 (58.1-64.5)** |  |
| 25-49 years | Female | 119 | 67 | 45 | 40 | 98 | 165 | 73 | 27 | 27 | 37 | 40 | **738** | <0.001 |
| Male | 289 | 188 | 141 | 79 | 105 | 182 | 83 | 80 | 46 | 43 | 42 | **1278** |  |
| Ratio | 2.4 | 2.8 | 3.1 | 2.0\* | 1.1 | 1.1 | 1.1 | 3.0 | 1.7 | 1.2 | 1.1 | **1.7** |  |
| Percentage (95% CI) | 70.8 (66.2-75.2) | 73.7 (67.9-79.0) | 75.8 (69-81.8) | 66.4 (57.2-74.8) | 51.7 (44.6-58.8) | 52.4 (47.0-57.8) | 53.2 (45.1-61.2) | 74.8 (65.4-82.7) | 63.0 (50.9-74.0) | 53.8 (42.2-65.0) | 51.2 (39.9-62.4) | **63.4 (61.2-65.5)** |  |
| 50-65 years | Female | 32 | 31 | 31 | 23 | 35 | 46 | 36 | 17 | 13 | 17 | 21 | **302** | 0.143 |
| Male | 43 | 43 | 43 | 34 | 27 | 51 | 30 | 28 | 19 | 20 | 13 | **351** |  |
| Ratio | 1.3 | 1.4 | 1.4 | 1.5 | 0.8 | 1.1 | 0.8 | 1.6 | 1.5 | 1.2 | 0.6 | **1.2** |  |
| Percentage (95% CI) | 57.3 (45.4-68.7) | 58.1 (46.1-69.5) | 58.1 (46.1-69.5) | 59.6 (45.8-72.4) | 43.5 (31.0-56.7) | 52.6 (42.2-62.8) | 45.5 (33.1-58.2) | 62.2 (46.5-76.2) | 59.4 (40.6-76.3) | 54.1 (36.9-70.5) | 38.2 (22.2-56.4) | **53.8 (49.8-57.6)** |  |
| Brighton. London or Manchester | Female | 18 | 18 | 14 | 14 | 68 | 197 | 59 | 12 | 21 | 21 | 36 | **478** | 0.001 |
| Male | 49 | 37 | 38 | 25 | 52 | 191 | 53 | 36 | 27 | 24 | 30 | **562** |  |
| Ratio | 2.7 | 2.1 | 2.7 | 1.8 | 0.8 | 1.0 | 0.9 | 3.0 | 1.3 | 1.1 | 0.8 | **1.2** |  |
| Percentage (95% CI) | 73.1 (60.9-83.2) | 67.3 (53.3-79.3) | 73.1 (59-84.4) | 64.1 (47.2-78.8) | 43.3 (34.3-52.7) | 49.2 (44.1-54.3) | 47.3 (37.8-57.0) | 75.0 (60.4-86.4) | 56.3 (41.2-70.5) | 53.3 (37.9-68.3) | 45.5 (33.1-58.2) | **54.0 (51.0-57.1)** |  |
| Other location | Female | 226 | 117 | 84 | 70 | 91 | 63 | 81 | 53 | 31 | 45 | 47 | **908** | <0.001 |
| Male | 488 | 246 | 189 | 134 | 107 | 94 | 98 | 105 | 55 | 64 | 36 | **1616** |  |
| Ratio | 2.2 | 2.1 | 2.3 | 1.9 | 1.2 | 1.5 | 1.2 | 2.0\* | 1.8 | 1.4 | 0.8 | **1.8** |  |
| Percentage (95% CI) | 68.3 (64.8-71.7) | 67.8 (62.7-72.6) | 69.2 (63.4-74.7) | 65.7 (58.7-72.2) | 54.0 (46.8-61.1) | 59.9 (51.8-67.6) | 54.7 (47.2-62.2) | 66.5 (58.5-73.8) | 64.0 (52.9-74.0) | 58.7 (48.9-68.1) | 43.4 (32.5-54.7) | **64.0 (62.1-65.9)** |  |

†Chi-squared test for linear trend; CI, Confidence Interval; \*Met threshold on rounding up.

Ratios above a threshold of two or where the percentage male has a lower confidence interval above 50% are shaded.

S 4. Cases aged 16 to 65 years diagnosed with typhoidal *Salmonella* spp. infection with no reported travel history, by sex, male-to-female ratio and percentage male for age groups and high and low-risk locations, England, 2003–2013

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Age group or location** | **Sex, m:f ratio & percentage male** | **2003** | **2004** | **2005** | **2006** | **2007** | **2008** | **2009** | **2010** | **2011** | **2012** | **2013** | **Total** | **p value†** |
| <16 years | Female | 19 | 14 | 16 | 21 | 21 | 20 | 43 | 21 | 22 | 11 | 4 | **212** | 0.373 |
| Male | 23 | 21 | 24 | 19 | 42 | 22 | 22 | 31 | 18 | 13 | 10 | **245** |  |
| Ratio | 1.2 | 1.5 | 1.5 | 0.9 | 2.0 | 1.1 | 0.5 | 1.5 | 0.8 | 1.2 | 2.5 | **1.2** |  |
| Percentage (95% CI) | 54.8 (38.7-70.2) | 60 (42.1-76.1) | 60 (43.3-75.1) | 47.5 (31.5-63.9) | 66.7 (53.7-78.0) | 52.4 (36.4-68.0) | 33.8 (22.6-46.6) | 59.6 (45.1-73.0) | 45 (29.3-61.5) | 54.2 (32.8-74.4) | 71.4 (41.9-91.6) | **53.6 (48.9-58.3)** |  |
| 16-24 years | Female | 11 | 13 | 12 | 13 | 17 | 21 | 19 | 20 | 17 | 11 | 13 | **167** | 0.073 |
| Male | 23 | 12 | 17 | 20 | 26 | 25 | 24 | 29 | 20 | 7 | 8 | **211** |  |
| Ratio | 2.1 | 0.9 | 1.4 | 1.5 | 1.5 | 1.2 | 1.3 | 1.5 | 1.2 | 0.6 | 0.6 | **1.3** |  |
| Percentage (95% CI) | 67.6 (49.5-82.6) | 48 (27.8-68.7) | 58.6 (38.9-76.5) | 60.6 (42.1-77.1) | 60.5 (44.4-75.0) | 54.3 (39.0-69.1) | 55.8 (39.9-70.9) | 59.2 (44.2-73.0) | 54.1 (36.9-70.5) | 38.9 (17.3-64.3) | 38.1 (18.1-61.6) | **55.8 (50.7-60.9)** |  |
| 25-49 years | Female | 21 | 30 | 37 | 43 | 45 | 50 | 39 | 33 | 43 | 24 | 25 | **390** | 0.463 |
| Male | 38 | 34 | 51 | 72 | 46 | 65 | 54 | 55 | 47 | 30 | 31 | **523** |  |
| Ratio | 1.8 | 1.1 | 1.4 | 1.7 | 1 | 1.3 | 1.4 | 1.7 | 1.1 | 1.3 | 1.2 | **1.3** |  |
| Percentage (95% CI) | 64.4 (50.9-76.4) | 53.1 (40.2-65.7) | 58.0 (47.0-68.4) | 62.6 (53.1-71.5) | 50.5 (39.9-61.2) | 56.5 (47.0-65.7) | 58.1 (47.4-68.2) | 62.5 (51.5-72.6) | 52.2 (41.4-62.9) | 55.6 (41.4-69.1) | 55.4 (41.5-68.7) | **57.3 (54.0-60.5)** |  |
| 50-65 years | Female | 4 | 11 | 5 | 12 | 11 | 12 | 13 | 7 | 12 | 9 | 8 | **104** | 0.114 |
| Male | 8 | 9 | 8 | 8 | 12 | 10 | 9 | 7 | 7 | 4 | 6 | **88** |  |
| Ratio | 2 | 0.8 | 1.6 | 0.7 | 1.1 | 0.8 | 0.7 | 1 | 0.6 | 0.4 | 0.8 | **0.8** |  |
| Percentage (95% CI) | 66.7 (34.9-90.1) | 45.0 (23.1-68.5) | 61.5 (31.6-86.1) | 40.0 (19.1-63.9) | 52.2 (30.6-73.2) | 45.5 (24.4-67.8) | 40.9 (20.7-63.6) | 50.0 (23.0-77.0) | 36.8 (16.3-61.6) | 30.8 (9.1-61.4) | 42.9 (17.7-71.1) | **45.8 (38.6-53.2)** |  |
| Brighton. London or Manchester | Female | 20 | 31 | 19 | 39 | 40 | 44 | 31 | 34 | 38 | 26 | 21 | **343** | 0.199 |
| Male | 41 | 31 | 39 | 45 | 41 | 62 | 36 | 58 | 47 | 19 | 24 | **443** |  |
| Ratio | 2.1 | 1 | 2.1 | 1.2 | 1 | 1.4 | 1.2 | 1.7 | 1.2 | 0.7 | 1.1 | **1.3** |  |
|  | Percentage (95% CI) | 67.2 (54.0-78.7) | 50.0 (37.0-63.0) | 67.2 (53.7-79.0) | 53.6 (42.4-64.5) | 50.6 (39.3-61.9) | 58.5 (48.5-68.0) | 53.7 (41.1-66.0) | 63.0 (52.3-72.9) | 55.3 (44.1-66.1) | 42.2 (27.7-57.8) | 53.3 (37.9-68.3) | **56.4 (52.8-59.9)** |  |
| Other location | Female | 16 | 23 | 35 | 29 | 33 | 39 | 40 | 26 | 34 | 18 | 25 | **318** | 0.094 |
| Male | 28 | 24 | 37 | 55 | 43 | 38 | 51 | 33 | 27 | 22 | 21 | **379** |  |
| Ratio | 1.8 | 1 | 1.1 | 1.9 | 1.3 | 1 | 1.3 | 1.3 | 0.8 | 1.2 | 0.8 | **1.2** |  |
| Percentage (95% CI) | 63.6 (47.8-77.6) | 51.1 (36.1-65.9) | 51.4 (39.3-63.3) | 65.5 (54.3-75.5) | 56.6 (44.7-67.9) | 49.4 (37.8-61.0) | 56.0 (45.2-66.4) | 55.9 (42.4-68.8) | 44.3 (31.5-57.6) | 55.0 (38.5-70.7) | 45.7 (30.9-61.0) | **54.4 (50.6-58.1)** |  |

†Chi-squared test for linear trend; CI, Confidence Interval.

Ratios above a threshold of two or where the percentage male has a lower confidence interval above 50% are shaded.