

APPENDIX, SUPPLEMENTARY FILE

Table 1 *Neisseria gonorrhoeae* isolates from foreign-born and native patients in countries reporting country of birth, Euro-GASP 2010-2014

| COUNTRIES REPORTING COUNTRY OF BIRTH | FOREIGN BORN No. (%) | NATIVE No. (%) | TOTAL No. (%) |
|---|---------------------------------|---------------------------|--------------------------|
| THE NETHERLANDS | 246 (34.9) | 577 (17.0) | 823 (20.1) |
| IRELAND | 92 (13.1) | 162 (4.8) | 254 (6.2) |
| UNITED KINGDOM | 91 (12.9) | 216 (6.4) | 307 (7.5) |
| GREECE | 86 (12.2) | 315 (9.3) | 401 (9.8) |
| ITALY | 75 (10.7) | 293 (8.6) | 368 (9.0) |
| DENMARK | 52 (7.4) | 389 (11.5) | 441 (10.8) |
| MALTA | 19 (2.7) | 58 (1.7) | 77 (1.9) |
| SLOVAKIA | 10 (1.4) | 493 (14.5) | 503 (12.3) |
| BELGIUM | 10 (1.4) | 104 (3.1) | 114 (2.8) |
| SLOVENIA | 9 (1.3) | 197 (5.8) | 206 (5.0) |
| GERMANY | 7 (1.0) | 61 (1.8) | 68 (1.7) |
| HUNGARY | 4 (0.6) | 131 (3.9) | 135 (3.3) |
| CYPRUS | 3 (0.4) | 29 (0.9) | 32 (0.8) |
| PORTUGAL | 0 (0.0) | 369 (10.9) | 369 (9.0) |
| TOTAL | 704 (100.0) | 3394 (100.0) | 4098 (100.0) |

Table 2 Antimicrobial resistance and decreased susceptibility to ceftriaxone by known country of birth, Euro-GASP isolates 2010-2014

| | FOREIGN BORN, No. (%) | NATIVES, No. (%) | UNKNOWN COUNTRY OF BIRTH, No. (%) | TOTAL, No (%) |
|--|------------------------------|-------------------------|--|----------------------|
| CIPROFLOXACIN RESISTANT (n=9519) | 326 (46.3) | 1693 (50.0) | 2791 (51.4) | 4810 (50.5) |
| AZITHROMYCIN RESISTANT (n=9479) | 50 (7.2) | 251 (7.5) | 283 (5.2) | 584 (6.2) |
| CEFIXIME RESISTANT (n=9479) | 25 (3.6) | 192 (5.7) | 289 (5.3) | 506 (5.3) |
| CEFTRIAXONE RESISTANT (n=9529) | 0 (0.0) | 4 (0.1) | 21 (0.4) | 25 (0.3) |
| DECREASED SUSCEPTIBILITY TO CEFTRIAXONE (n=9529) | 20 (2.8) | 63 (1.9) | 113 (2.1) | 196 (2.1) |
| PENICILLINASE PRODUCTION (n=8560) | 57 (11.7) | 240 (8.4) | 708 (13.6) | 1005 (11.7) |
| RESISTANT ISOLATES (n=9529) | 366 (52.0) | 1817 (53.5) | 3030 (55.8) | 5213 (54.7) |

Table 3 Epidemiological characteristics of antimicrobial resistant Euro-GASP isolates (n=5213) by country of birth, 2010-2014

| | COUNTRY OF BIRTH | | |
|---------------------------------------|--------------------------|--------------|-------------|
| | UNKNOWN COUNTRY OF BIRTH | FOREIGN BORN | NATIVES |
| YEAR OF DIAGNOSIS (n=5213) | | | |
| 2010 | 733 (24.2) | 31 (8.5) | 225 (12.4) |
| 2011 | 521 (17.2) | 66 (18.0) | 383 (21.1) |
| 2012 | 552 (18.2) | 99 (27.0) | 393 (21.6) |
| 2013 | 578 (19.1) | 84 (23.0) | 443 (24.4) |
| 2014 | 646 (21.3) | 86 (23.5) | 373 (20.5) |
| AGE (years) (n=5046) | | | |
| <25 | 828 (28.7) | 96 (26.3) | 459 (25.5) |
| 25-44 | 1589 (55.2) | 231 (63.3) | 1033 (57.4) |
| ≥45 | 464 (16.1) | 38 (10.4) | 308 (17.1) |
| AREA OF ORIGIN (n=704) | | | |
| EU/EEA | - | 118 (32.2) | - |
| Non-EU/EEA WHO EUR | - | 72 (19.7) | - |
| WHO EMR | - | 57 (15.6) | - |
| WHO AMRO | - | 68 (18.6) | - |
| WHO AFR | - | 22 (6.0) | - |
| WHO SEAR | - | 14 (3.8) | - |
| WHO WPR | - | 15 (4.1) | - |
| SEXUAL ORIENTATION (n=2666) | | | |
| Heterosexual females | 189 (20.3) | 29 (8.5) | 169 (12.1) |
| Heterosexual males | 407 (43.8) | 158 (46.2) | 637 (45.7) |
| Men who have sex with men | 333 (35.8) | 155 (45.3) | 589 (42.2) |
| ISOLATION SITE (n=4852) | | | |
| Ano-rectal | 208 (7.6) | 66 (18.4) | 195 (11.0) |
| Urogenital | 2392 (87.8) | 268 (74.7) | 1484 (83.9) |
| Pharyngeal | 125 (4.6) | 25 (7.0) | 89 (5.0) |
| HIV STATUS (n=1726) | | | |
| Positive | 72 (21.8) | 42 (15.8) | 144 (12.7) |
| Negative | 258 (78.2) | 223 (84.2) | 987 (87.3) |

| | | | |
|---|------------|------------|-------------|
| PREVIOUS GONORRHOEA (n=2042) | | | |
| Yes | 161 (28.5) | 31 (12.8) | 181 (14.7) |
| No | 403 (71.5) | 212 (87.2) | 1054 (85.3) |
| PROBABLE COUNTRY OF INFECTION (n=1794) | | | |
| Reporting country | 428 (91.8) | 162 (89.0) | 1081 (94.3) |
| Other country | 38 (8.2) | 20 (11.0) | 65 (5.7) |