**Supplemental table 1. Provider compliance with treatment guidelines for gonorrhea, Alberta, 2000-2019 among cases missing treating provider setting data.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Provider compliant**  **N=22,770**  **(78.2%)** | | **Provider-non-compliant**  **N= 6,351**  **(21.8%)** | | **Total**  **N=29,121** | | **Prevalence**  **ratio** | **Prevalence difference**  **(per 100)** |
| **N** | **%** | **N** | **%** | **N** | **%** |  |  |
| **Sex**  Male  Female | 13,991  8,779 | 82.7  71.9 | 2,924  3,427 | 17.3  28.1 | 16,915  12,206 | 58.1  41.9 | 1.15 | 11 |
| **Pregnant** (yes) | 581 | 63.3 | 337 | 36.7 | 918 | 7.5 | 0.88 | -9 |
| Age group  16-19  20-29  30-39  40-49  50-59  60-69  70-79  >80 | 3,958  11,197  4,886  1,758  724  215  27  8 | 75.7  78.1  79.9  79.0  78.8  84.3  81.8  83.3 | 1,274  3,137  1,230  468  195  40  6  1 | 24.3  21.9  20.1  21.0  21.1  15.7  18.2  16.7 | 5,231  14,334  6,116  2,226  919  255  33  6 | 17.9  49.2  21.1  7.6  3.2  0.9  0.1  0.01 | 0.97  1  1.02  1.01  1  1.08  1.05  1.07 | -3  0  2  1  0  6  4  5 |
| **Sexual behavior1**  Heterosexual  MSM2  Bisexual  WSW3 | 6,546  2,696  7  76 | 73.3  86.4  100  71.7 | 2,383  424  0  30 | 26.7  13.6  0  28.3 | 8,929  3,120  7  106 | 30.6  10  0.01  0.01 | 0.87  1.13  1.19  0.86 | -10  10  17  -12 |
| **Race/Ethnicity**  Caucasian  Afro-Caribbean Black  Asian  First Nations  Metis  Inuit  Middle East  Hispanic  Unknown | 9,434  1,470  853  6,487  1,038  22  6  3  3,456 | 80.1  81.9  79.7  77.7  78.0  88.0  100  100  72.5 | 2,339  324  218  1,862  293  3  0  0  1,312 | 19.9  18.1  20.4  22.3  22.0  12.0  0  0  27.5 | 11,773  1,794  1,071  8,349  1,331  25  6  3  4,768 | 40.4  6.2  3.7  28.7  4.6  0.1  0.02  0.01  13.4 | 1.04  1.05  1.02  0.99  1  1.12  -  -  0.91 | 3  4  2  0  0  10  -  -  -7 |
| **Gonococcal infection characteristics** | | | | | | | | |
| **Site of infection**  Cervical  Vaginal  Pharynx  Rectum  Urine  Urethra | 4,678  152  1,690  1,454  8.408  6,335 | 69.1  71.1  84.6  84.7  77.1  85.4 | 2,097  62  308  262  2,505  1,083 | 30.9  28.9  15.4  15.3  22.9  14.6 | 6,775  214  1,998  1,716  10,913  7,418 | 23.3  0.7  8.1  5.8  39.9  26.9 | 0.85  0.91  1.04  1.08  0.98  1.13 | -12  -7  4  7  -1  10 |
| **Reason for visit**4  Symptomatic  Contact  STI screening  Sexual assault  Therapeutic abortion | 7,018  2,391  3,312  175  176 | 83.6  85.7  80.2  92.1  65.2 | 1,378  400  817  15  94 | 16.4  14.3  19.8  7.9  34.8 | 8,396  2,791  4,219  190  270 | 38.3  11.8  17.4  0.3  2.1 | 1.11  1.12  1.03  1.19  0.83 | 9  9  3  15  -14 |
| **Presenting symptoms**  Dysuria  Rectal symptoms5 | 4,740  263 | 84.9  80.4 | 845  64 | 15.1  19.6 | 5,585  327 | 35.6  2.2 | 1.06  0.98 | 5  1 |
| **Physical exam**  Vaginal discharge  Cervical discharge  Friable cervix  Urethral discharge | 2,172  575  292  5,442 | 74.5  74.8  78.9  85.7% | 742  194  78  908 | 25.5  25.2  21.1  14.3 | 2,914  769  370  6,350 | 81.9  37.8  21.5  42.55 | 1.01  6  1.05  1.09 | 1  0  4  7 |
| **Chlamydia co-infection** | 120 | 76.0 | 38 | 24.0 | 158 | 23.4 | 0.98 | 1 |
| **Treatment-provider’s characteristics** | | | | | | | | |
| **Geographic area6**  Urban  Rural | 1,791  20,979 | 75.9  78.4 | 568  5,783 | 24.1  21.6 | 2,359  26,762 | 8.1  91.9 | 1.03 | 3 |
| **Same-day treatment**  **Treatment from time of diagnosis in days, mean (+/- SD)** | 11,999  6.9 | 84.0  17.9 | 2,287  8.7 | 16.0  18 | 14,286  7.3 | 49.1  18 | 1.15  - | 11  - |

1Data available in 21,543 cases

2Men having sex with men

3Women having sex with women

4Data available in 21,946

5 May include rectal pain, rectal discharge and or rectal bleeding

6Geographic area where the patient was treated.