# Supplementary Data

Table S1. Data elements reported on as part of the STI CSSS

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| --- |
| Data elements |
| Genital Ulcer Syndrome (GUS) female – new episode | Genital Ulcer Syndrome (GUS) male – new episode  |
| Genital warts (GW) female – new episode | Genital warts (GW) male – new episode |
| Vaginal Discharge Syndrome (VDS) – new episode  | Male Urethritis Syndrome (MUS) treated – new episode |
| Lower Abdominal Pain (LAP) – new episode | Referral to doctor due to MUS treatment failure |
| Other STI female - new episode | Other STI male – new episode |
| STI under 10 years female – new episode | STI under 10 years male – new episode |
| STI 10-14 years female – new episode | STI 10-14 years male – new episode |
| STI 15-19 years female – new episode | STI 15-19 years male – new episode |
| STI 20-24 years female – new episode | STI 20-24 years female – new episode |
| STI 25 years and older female – new episode | STI 25 years and older male – new episode |
| Syphilis in pregnant females | Benz-penicillin 2nd dose given to syphilis positive pregnant female |
| Benz-penicillin 1st dose given to syphilis positive pregnant female | Benz-penicillin 3rd dose given to syphilis positive pregnant female |

Table S2. Provincial distribution of STI CSSS facilities, and relation to total population and PHC attendance coverage.

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| --- | --- | --- | --- |
| Province | Population\*n (%) | STI Sentinel Sites n (%) | CSSS Headcount of Total PHC Headcount † (%) |
| **EC** | 6 712 276(11%) | 40(15%) | 11% |
| **FS** | 2 887 465(5%) | 31(11%) | 20% |
| **GP** | 15 176 115(26%) | 34(13%) | 14% |
| **KZN** | 11 289 086(19%) | 22(8%) | 9% |
| **LP** | 5 982 584(10%) | 29(11%) | 9% |
| **MP** | 4 592 187(8%) | 27(10%) | 15% |
| **NC** | 1 263 875(2%) | 31(11%) | 25% |
| **NW** | 4 027 160(7%) | 28(10%) | 20% |
| **WC** | 6 844 272(12%) | 30(11%) | 18% |
| **Total** | **58 775 020****(100%)** | **272****(100%)** | **13%** |

\* 2019 Mid-year population estimates; †Provincial proportion of CSSS headcount to Total PHC headcount.

Table S3. Sensitivity analysis of zero reports for MUS and VDS.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Province | Total MUS reports | Zero reports, n (%) | Total VDS reports | Zero reports, n (%) |
| **EC** | 348 | 3 (1%) | 345 | 96 (28%) |
| **FS** | 318 | 11 (3%) | 318 | 43 (14%) |
| **GP** | 381 | 16 (4%) | 379 | 71 (19%) |
| **KZN** | 50 | 15 (30%) | 50 | 17 (34%) |
| **LP** | 319 | 37 (12%) | 318 | 126 (40%) |
| **MP** | 171 | 0 (0%) | 134 | 0 (0%) |
| **NC** | 330 | 43 (13%) | 329 | 121 (37%) |
| **NW** | 287 | 23 (8%) | 287 | 98 (34%) |
| **WC** | 347 | 10 (3%) | 347 | 49 (14%) |
| **Total** | **2 551** | **158 (6%)** | **2 507** | **621 (25%)** |