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Outbreak of Serotype 1 Invasive Pneumococcal Disease, Kibera Urban Informal Settlement, Nairobi, Kenya, 2023

Appendix

Appendix Table. Blood collection, pneumococcal testing, and incidence of serotype 1 (ST1) invasive pneumococcal disease in Kibera, January 1, 2018–August 20, 2024

| Year | Blood culture collected | SPN | ST1 cases | (PYO) | Crude incidence per 100,000 PYO | 95% CI | ST1 cases* | ST1 cases† | Adjusted incidence per 100,000 PYO | 95% CI |
|-----------|-------------------------|-----|-----------|---------|---------------------------------|-----------|------------|------------|------------------------------------|------------|
| 2018 | 759 | 5 | 3 | 22,689 | 13.2 | 4.3–41.0 | 3.8 | 7.3 | 32.0 | 0.0–73.4 |
| 2019 | 1,152 | 7 | 4 | 23,312 | 17.2 | 6.4–45.7 | 4.8 | 7.9 | 33.7 | 8.0–71.6 |
| 2020 | 452 | 2 | 2 | 23,465 | 8.5 | 2.1–34.1 | 2.3 | 3.7 | 15.6 | 0.0–41.5 |
| 2021 | 747 | 2 | 1 | 22,885 | 4.4 | 0.6–31.0 | 1.3 | 2.1 | 9.4 | 0.0–29.7 |
| 2022 | 501 | 0 | 0 | 22,715 | 0.0 | – | 0.0 | 0.0 | 0.0 | – |
| 2018–2022 | 3,611 | 16 | 10 | 115,066 | 8.7 | 4.7–16.2 | 12.4 | 20.6 | 17.9 | 7.3–30.1 |
| 2023‡ | 603 | 12 | 8 | 22,547 | 35.5 | 17.7–71.0 | 9.8 | 15.1 | 66.8 | 24.8–118.7 |
| 2024 | 699 | 2 | 0 | | | | | | | |

SPN, *Streptococcus pneumoniae*; ST1, Serotype 1; PYO, Person-years-observation; CI, Confidence interval.

*Cases adjusted for missed sampling.

†Cases adjusted for missed sampling and healthcare seeking

‡2023 row indicates the year with outbreak and contrast period.