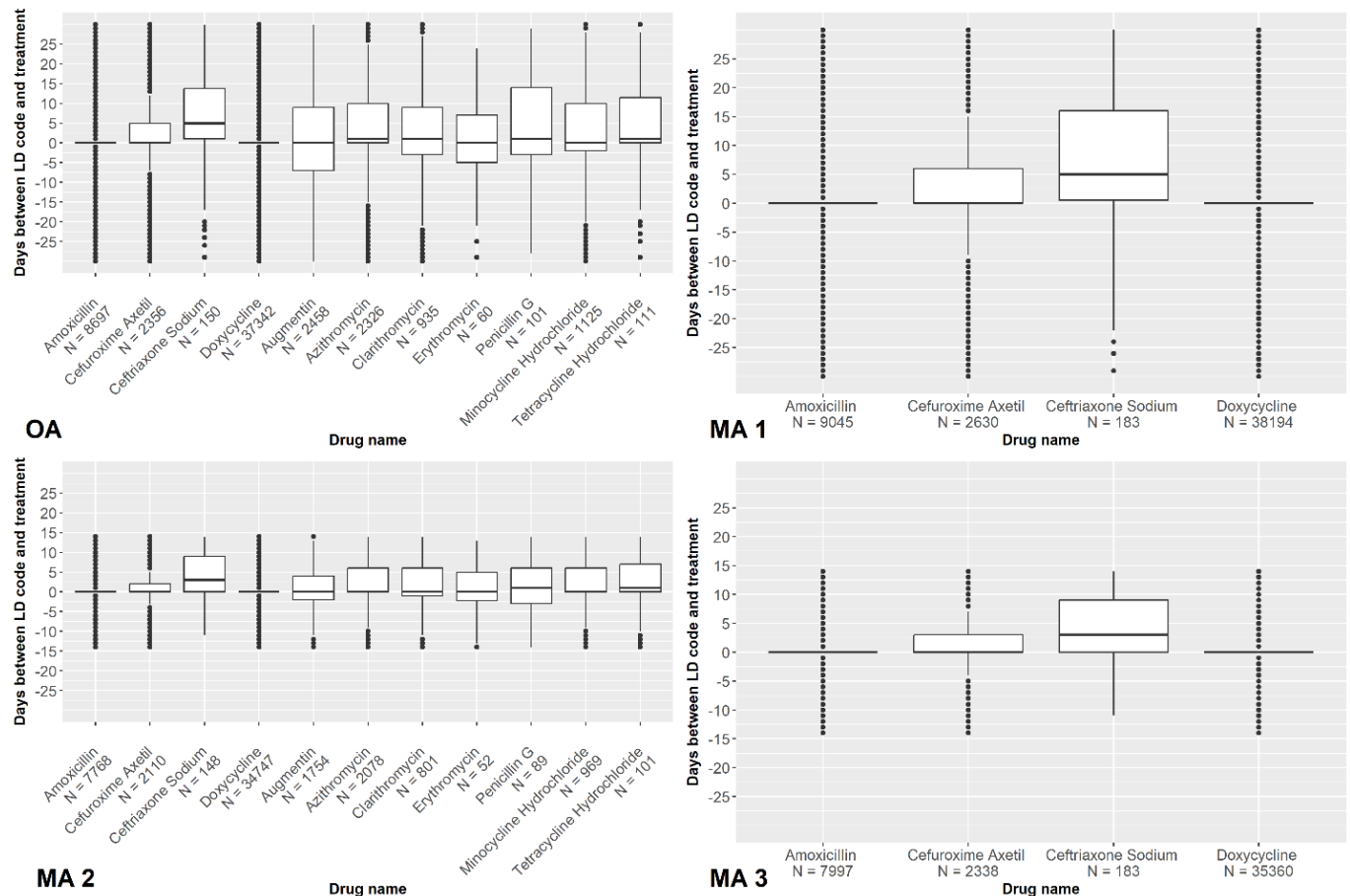


Appendix B. Days from diagnosis code to prescription claim among Lyme disease diagnoses in MarketScan database, 2016-2019.



Legend: This plot displays data for qualifying prescription drugs according to each algorithm definition. OA = Original Algorithm; MA 1 = Modified Algorithm 1; MA 2 = Modified Algorithm 2; MA 3 = Modified Algorithm 3.

OA: Amoxicillin (Mean $\pm$ SD: 0.2 ± 9.0 , Median: 0, IQR: 0); Cefuroxime axetil (Mean $\pm$ SD: 1.7 ± 10.2 , Median: 0, IQR: 5); Ceftriaxone sodium (Mean $\pm$ SD: 6.5 ± 10.8 , Median: 5, IQR: 12.8); Doxycycline (Mean $\pm$ SD: -0.7 ± 7.7 , Median: 0, IQR: 0); Augmentin (Mean $\pm$ SD: 0.5 ± 14.4 , Median: 0, IQR: 16); Azithromycin (Mean $\pm$ SD: 3.4 ± 12.4 , Median: 1, IQR: 10); Clarithromycin (Mean $\pm$ SD: 2.4 ± 12.8 , Median: 1, IQR: 12); Erythromycin (Mean $\pm$ SD: 0.8 ± 10.9 , Median: 0, IQR: 12); Penicillin G (Mean $\pm$ SD: 4.1 ± 12.7 , Median: 1, IQR: 17); Minocycline hydrochloride (Mean $\pm$ SD: 3.0 ± 12.0 , Median: 0, IQR: 12); Tetracycline hydrochloride (Mean $\pm$ SD: 3.3 ± 12.0 , Median: 1, IQR: 11.5)

MA 1: Amoxicillin (Mean $\pm$ SD: 0.3 ± 9.5 , Median: 0, IQR: 0); Cefuroxime axetil (Mean $\pm$ SD: 2.2 ± 10.9 , Median: 0, IQR: 6); Ceftriaxone sodium (Mean $\pm$ SD: 7.3 ± 11.8 , Median: 5, IQR: 15.5); Doxycycline (Mean $\pm$ SD: -0.6 ± 8.0 , Median: 0, IQR: 0)

MA 2: Amoxicillin (Mean $\pm$ SD: 0.1 ± 4.0 , Median: 0, IQR: 0); Cefuroxime axetil (Mean $\pm$ SD: 1.1 ± 5.1 , Median: 0, IQR: 2); Ceftriaxone sodium (Mean $\pm$ SD: 4.1 ± 5.8 , Median: 3, IQR: 9); Doxycycline (Mean $\pm$ SD: -0.1 ± 3.9 , Median: 0, IQR: 0); Augmentin (Mean $\pm$ SD: 0.5 ± 6.6 , Median: 0, IQR: 6); Azithromycin (Mean $\pm$ SD: 1.5 ± 6.5 , Median: 0, IQR: 6); Clarithromycin (Mean $\pm$ SD: 1.2 ± 6.8 , Median: 0, IQR: 7); Erythromycin (Mean $\pm$ SD: 0.4 ± 6.8 , Median: 0, IQR: 7.3); Penicillin G (Mean $\pm$ SD: 1.2 ± 6.9 , Median: 1, IQR: 9); Minocycline hydrochloride (Mean $\pm$ SD: 1.1 ± 6.4 , Median: 0, IQR: 6); Tetracycline hydrochloride (Mean $\pm$ SD: 2.1 ± 7.1 , Median: 1, IQR: 7)

MA 3: Amoxicillin (Mean $\pm$ SD: 0.2 ± 4.2 , Median: 0, IQR: 0); Cefuroxime axetil (Mean $\pm$ SD: 1.2 ± 5.3 , Median: 0, IQR: 3); Ceftriaxone sodium (Mean $\pm$ SD: 4.0 ± 6.1 , Median: 3, IQR: 9); Doxycycline (Mean $\pm$ SD: -0.1 ± 4.0 , Median: 0, IQR: 0)