Additional file 1 Use of different kinds of antibiotics among patients with one of the 14 specific symptoms studied versus those without the symptom

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Symptom** | **Total** | **Levofloxacin** | **Amoxicillin** | **Erythromycin** | **Amoxicillin clavulanic acid** | **Cefuroxime** | **Cefradine** | **Ceftriaxone** | **Ceftazidime** | **Other antibiotics** | **No antibiotics** |
| **Blocked nose** |  |  |  |  |  |  |  |  |  |  |  |
| *-Yes* | 257(24.1) | 68(26.5) | 39(15.2) | 40(15.6) | 36(14.0) | 28(10.9) | 17(6.6) | 17(6.6) | 12(4.7) | 53(20.6) | 31(12.1) |
| *-No* | 811(75.9) | 263(32.4) | 123(15.2) | 121(14.9) | 122(15.0) | 77(9.5) | 51(6.3) | 41(5.1) | 42(5.2) | 200(24.7) | 99(12.2) |
| **Runny nose (clear/watery discharge)** | | | | | | | | | | | |
| *-Yes* | 277(25.9) | 106(38.3) | 41(14.8) | 35(12.6) | 43(15.5) | 28(10.1) | 27(9.7) | 20(7.2) | 11(4.0) | 62(22.4) | 32(11.6) |
| *-No* | 791(74.1) | 225(28.4) | 121(15.3) | 126(15.9) | 115(14.5) | 77(9.7) | 41(5.2) | 38(4.8) | 43(5.4) | 191(24.1) | 98(12.4) |
| **Snotty nose (yellow/green discharge)** | | | | | | | | | | | |
| *-Yes* | 70(6.6) | 18(25.7) | 4(5.7) | 11(15.7) | 7(10.0) | 11(15.7) | 3(4.3) | 2(2.9) | 3(4.3) | 19(27.1) | 11(15.7) |
| *-No* | 998(93.4) | 313(31.4) | 158(15.8) | 150(15.0) | 151(15.1) | 94(9.4) | 65(6.5) | 56(5.6) | 51(5.1) | 234(23.4) | 119(11.9) |
| **Dry cough** |  |  |  |  |  |  |  |  |  |  |  |
| *-Yes* | 137(12.8) | 41(29.9) | 30(21.9) | 17(12.4) | 13(9.5) | 14(10.2) | 6(4.4) | 7(5.1) | 9(6.6) | 39(28.5) | 12(8.8) |
| *-No* | 931(87.2) | 290(31.1) | 132(14.2) | 144(15.5) | 145(15.6) | 91(9.8) | 62(6.7) | 51(5.5) | 45(4.8) | 214(23.0) | 118(12.7) |
| **Cough with green sputum** | | | | | | | | | | | |
| *-Yes* | 251(22.4) | 74(35.4) | 34(16.3) | 24(11.5) | 28(13.4) | 34(16.3) | 17(8.1) | 14(6.7) | 13(6.2) | 74(35.4) | 42(16.7) |
| *-No* | 872(77.6) | 257(35.3) | 128(17.6) | 137(18.8) | 130(17.8) | 71(9.7) | 51(7.0) | 44(6.0) | 41(5.6) | 257(35.3) | 88(10.8) |
| **Cough with white sputum** | | | | | | | | | | | |
| *-Yes* | 525(49.2) | 180(34.3) | 69(13.1) | 86(16.4) | 89(17.0) | 55(10.5) | 46(8.8) | 33(6.3) | 25(4.8) | 95(18.1) | 64(12.2) |
| *-No* | 543(50.8) | 151(27.8) | 93(17.1) | 75(13.8) | 69(12.7) | 50(9.2) | 22(4.1) | 25(4.6) | 29(5.3) | 158(29.1) | 66(12.2) |
| **Dry throat / burning throat/hoarse voice** | | | | | | | | | | | |
| *-Yes* | 258(24.2) | 68(26.4) | 42(16.3) | 23(8.9) | 27(10.5) | 26(10.1) | 12(4.7) | 14(5.4) | 16(6.2) | 72(27.9) | 42(16.3) |
| *-No* | 810(75.8) | 263(32.5) | 120(14.8) | 138(17.0) | 131(16.2) | 79(9.8) | 56(6.9) | 44(5.4) | 38(4.7) | 181(22.3) | 88(10.9) |
| **Itchy throat** |  |  |  |  |  |  |  |  |  |  |  |
| *-Yes* | 258(24.2) | 78(30.2) | 44(17.1) | 36(14.0) | 30(11.6) | 29(11.2) | 30(11.6) | 14(5.4) | 11(4.3) | 54(20.9) | 34(13.2) |
| *-No* | 810(75.8) | 253(31.2) | 118(14.6) | 125(15.4) | 128(15.8) | 76(9.4) | 38(4.7) | 44(5.4) | 43(5.3) | 199(24.6) | 96(11.9) |
| **Sore throat** |  |  |  |  |  |  |  |  |  |  |  |
| *-Yes* | 561(52.5) | 174(31.0) | 99(17.6) | 76(13.5) | 78(13.9) | 54(9.6) | 33(5.9) | 34(6.1) | 30(5.3) | 145(25.8) | 53(9.4) |
| *-No* | 507(47.5) | 157(31.0) | 63(12.4) | 85(16.8) | 80(15.8) | 51(10.1) | 35(6.9) | 24(4.7) | 24(4.7) | 108(21.3) | 77(15.2) |
| **Breathing difficulties** | | | | | | | | | | | |
| *-Yes* | 365(34.2) | 140(38.4) | 45(12.3) | 57(15.6) | 64(17.5) | 41(11.2) | 20(5.5) | 22(6.0) | 19(5.2) | 89(24.4) | 44(12.1) |
| *-No* | 703(65.8) | 191(27.2) | 117(16.6) | 104(14.8) | 94(13.4) | 64(9.1) | 48(6.8) | 36(5.1) | 35(5.0) | 164(23.3) | 86(12.2) |
| **Headache** |  |  |  |  |  |  |  |  |  |  |  |
| *-Yes* | 201(18.8) | 68(33.8) | 35(17.4) | 21(10.4) | 29(14.4) | 18(9.0) | 6(3.0) | 15(7.5) | 8(4.0) | 54(26.9) | 28(13.9) |
| *-No* | 867(81.2) | 263(30.3) | 127(14.6) | 140(16.1) | 129(14.9) | 87(10.0) | 62(7.2) | 43(5.0) | 46(5.3) | 199(23.0) | 102(11.8) |
| **Weakness** |  |  |  |  |  |  |  |  |  |  |  |
| *-Yes* | 139(13.0) | 49(35.3) | 16(11.5) | 12(8.6) | 10(7.2) | 16(11.5) | 6(4.3) | 16(11.5) | 10(7.2) | 34(24.5) | 19(13.7) |
| *-No* | 929(87.0) | 282(30.4) | 146(15.7) | 149(16.0) | 148(15.9) | 89(9.6) | 62(6.7) | 42(4.5) | 44(4.7) | 219(23.6) | 111(11.9) |
| **Fever** |  |  |  |  |  |  |  |  |  |  |  |
| *-Yes* | 146(13.7) | 45(30.8) | 20(13.7) | 12(8.2) | 14(9.6) | 6(4.1) | 3(2.1) | 23(15.8) | 14(9.6) | 44(30.1) | 15(10.3) |
| *-No* | 922(86.3) | 286(31.0) | 142(15.4) | 149(16.2) | 144(15.6) | 99(10.7) | 65(7.0) | 35(3.8) | 40(4.3) | 209(22.7) | 115(12.5) |
| **Other symptoms** |  |  |  |  |  |  |  |  |  |  |  |
| *-Yes* | 213(19.9) | 61(34.1) | 28(15.6) | 41(22.9) | 42(23.5) | 17(9.5) | 6(3.4) | 9(5.0) | 4(2.2) | 53(24.9) | 34(16.0) |
| *-No* | 855(80.1) | 270(35.6) | 134(17.7) | 120(15.8) | 116(15.3) | 88(11.6) | 62(8.2) | 49(6.5) | 50(6.6) | 200(23.4) | 96(11.2) |
| **Symptom Numbers** | | | | | | | | | | | |
| 1 | 83(7.8) | 15(21.4) | 11(15.7) | 18(25.7) | 12(17.1) | 7(10.0) | 5(7.1) | 0(.0) | 4(5.7) | 20(24.1) | 13(15.7) |
| 2 | 221(20.7) | 63(32.8) | 30(15.6) | 39(20.3) | 38(19.8) | 20(10.4) | 11(5.7) | 8(4.2) | 11(5.7) | 51(23.1) | 29(13.1) |
| 3 | 287(26.9) | 91(35.4) | 53(20.6) | 44(17.1) | 45(17.5) | 24(9.3) | 23(8.9) | 11(4.3) | 17(6.6) | 72(25.1) | 30(10.5) |
| 4 | 222(20.8) | 87(42.0) | 33(15.9) | 38(18.4) | 33(15.9) | 29(14.0) | 14(6.8) | 18(8.7) | 9(4.3) | 40(18.0) | 15(6.8) |
| 5 | 164(15.4) | 50(36.5) | 25(18.2) | 18(13.1) | 23(16.8) | 10(7.3) | 11(8.0) | 10(7.3) | 8(5.8) | 45(27.4) | 27(16.5) |
| >=6 | 91(8.5) | 25(33.3) | 10(13.3) | 4(5.3) | 7(9.3) | 15(20.0) | 4(5.3) | 11(14.7) | 5(6.7) | 25(27.5) | 16(17.6) |
| **Total** | **1068(100)** | **331(31.0)** | **162(15.2)** | **161(15.1)** | **158(14.8)** | **105(9.8)** | **68(6.4)** | **58(5.4)** | **54(5.1)** | **253(23.7)** | **130(12.2)** |