**S3 Table.** Influenza-associated hospitalized severe acute respiratory illness (SARI) incidence and number of cases in each province for 2009-2011, stratified by HIV serostatus.

|  |  |  |
| --- | --- | --- |
| **Province** | **Influenza-associated hospitalized SARI incidence rate (per 100,000 persons)** | **Number of influenza-associated SARI hospitalized cases** |
| **<5 years** | **5-24 years** | **25-44 years** | **≥45 years** | **<5 years** | **5-24 years** | **25-44 years** | **≥45 years** |
| **2009** |  |  |  |  |  |  |  |  |
| **Eastern Cape** | 229(137-380) | 21(7-38) | 47(1-95) | 42(2-105) | 1652(985-2742) | 647(225-1192) | 733(21-1486) | 540(10-1334) |
| **Free State** | 287(168-455) | 24(8-44) | 54(2-109) | 51(2-126) | 808(473-1281) | 272(94-505) | 453(13-910) | 327(12-809) |
| **Gauteng (base)** | 248(153-393) | 21(7-38) | 42(1-83) | 44(2-108) | 2462(1515-3902) | 716(247-1328) | 1606(45-3155) | 1050(37-2565) |
| **KwaZulu-Natal** | 381(232-614) | 32(11-60) | 88(2-175) | 71(3-175) | 4124(2509-6646) | 1482(517-2762) | 2505(70-4965) | 1334(48-3290) |
| **Limpopo** | 284(176-469) | 24(8-44) | 39(1-80) | 45(2-111) | 1923(1192-3175) | 647(224-1199) | 532(15-1085) | 412(15-1020) |
| **Mpumalanga** | 374(231-603) | 32(11-60) | 80(2-164) | 68(2-168) | 1548(955-2496) | 535(184-993) | 832(23-1700) | 448(16-1099) |
| **Northern Cape** | 331(199-543) | 24(8-45) | 36(1-73) | 49(2-122) | 384(231-630) | 106(37-198) | 113(3-230) | 122(5-301) |
| **North West** | 288(175-478) | 24(8-46) | 56(2-115) | 54(2-134) | 975(591-1618) | 326(111-617) | 566(16-1161) | 388(14-962) |
| **Western Cape** | 274(159-440) | 23(8-43) | 27(1-55) | 44(2-110) | 1329(772-2132) | 416(142-784) | 460(13-934) | 552(20-1361) |
| **South Africa** | 297(181-482) | 25(9-47) | 54(2-108) | 52(2-128) | 15206(9224-24,622) | 5147(1781-9578) | 7799(219-15,626) | 5173(187-12,741) |
| **2010** |  |  |  |  |  |  |  |  |
| **Eastern Cape** | 99(33-190) | 8(<1-22) | 49(20-87) | 36(1-76) | 708(240-1363) | 250(15-676) | 793(326-1420) | 457(15-979) |
| **Free State** | 121(41-235) | 9(1-25) | 56(23-97) | 43(1-92) | 338(116-657) | 105(6-279) | 470(192-817) | 277(9-602) |
| **Gauteng (base)** | 104(38-199) | 8(<1-22) | 44(18-77) | 37(1-81) | 1013(369-1944) | 283(17-760) | 1654(696-2910) | 908(29-1991) |
| **KwaZulu-Natal** | 159(57-309) | 13(1-34) | 91(37-161) | 60(2-133) | 1712(614-3325) | 577(35-1561) | 2639(1074-4647) | 1139(36-2537) |
| **Limpopo** | 121(43-239) | 9(1-25) | 41(17-72) | 38(1-81) | 819(293-1626) | 251(15-680) | 583(238-1032) | 353(11-758) |
| **Mpumalanga** | 158(56-301) | 13(1-34) | 83(34-149) | 57(2-126) | 651(230-1237) | 209(13-569) | 881(362-1574) | 384(12-847) |
| **Northern Cape** | 139(49-269) | 9(1-25) | 38(15-66) | 41(1-90) | 160(56-309) | 42(3-113) | 120(49-213) | 104(3-227) |
| **North West** | 122(42-236) | 9(1-26) | 58(23-103) | 45(1-98) | 417(144-806) | 127(8-347) | 588(234-1049) | 331(11-723) |
| **Western Cape** | 117(40-226) | 9(1-24) | 28(12-51) | 37(1-82) | 565(191-1089) | 163(10-445) | 486(198-867) | 475(15-1049) |
| **South Africa** | 125(44-243) | 10(1-27) | 56(23-99) | 43(1-95) | 6383(2252-12,356) | 2006(122-5431) | 8215(3369-14,528) | 4428(141-9712) |
| **2011** |  |  |  |  |  |  |  |  |
| **Eastern Cape** | 130(46-215) | 5(<1-14) | 38(22-76) | 31(18-77) | 932(328-1540) | 155(7-437) | 646(381-1290) | 404(237-997) |
| **Free State** | 159(55-259) | 6(<1-16) | 44(25-88) | 37(22-92) | 445(155-724) | 66(3-186) | 372(216-754) | 246(146-609) |
| **Gauteng (base)** | 138(47-224) | 5(<1-14) | 34(20-68) | 32(20-80) | 1328(457-2153) | 180(8-515) | 1286(759-2564) | 821(498-2041) |
| **KwaZulu-Natal** | 210(73-348) | 8(<1-23) | 71(41-141) | 52(32-130) | 2260(790-3750) | 361(15-1035) | 2111(1224-4172) | 1016(610-2525) |
| **Limpopo** | 161(57-276) | 6(<1-17) | 32(19-64) | 33(20-80) | 1095(392-1885) | 157(7-454) | 478(285-962) | 316(191-769) |
| **Mpumalanga** | 208(74-348) | 8(<1-23) | 65(39-129) | 50(30-122) | 854(306-1429) | 131(6-384) | 705(420-1400) | 345(206-842) |
| **Northern Cape** | 186(65-303) | 6(<1-17) | 29(17-59) | 36(22-88) | 212(74-345) | 26(1-75) | 96(57-192) | 93(56-227) |
| **North West** | 161(56-266) | 6(<1-17) | 45(27-91) | 39(23-97) | 554(194-915) | 80(3-232) | 465(276-939) | 296(177-728) |
| **Western Cape** | 158(54-254) | 6(<1-16) | 22(13-45) | 32(19-80) | 760(262-1221) | 103(5-292) | 382(224-774) | 427(256-1056) |
| **South Africa** | 166(58-276) | 6(<1-18) | 44(26-87) | 38(23-94) | 8439(2956-13,962) | 1258(56-3609) | 6540(3841-13,048) | 3964(2376-9795) |