

Mathematical Models for Devising the Optimal Ebola Virus Disease Eradication

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Supplementary Tables:

1. Table S1: Ebola cumulative reported cases in Guinea, Liberia, and Sierra Leone.

| WHO report date | Total Cases, Guinea | Total Deaths, Guinea | Total Cases, Liberia | Total Deaths, Liberia | Total Cases, Sierra Leone | Total Deaths, Sierra Leone |
|-----------------|---------------------|----------------------|----------------------|-----------------------|---------------------------|----------------------------|
| 2014/3/1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/3 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/4 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/5 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/6 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/7 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/8 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/9 | 0 | 0 | 0 | 0 | 0 | 0 |

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|-----------|-----|-----|-----|-----|-----|-----|
| 2014/3/10 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/11 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/12 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/13 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/14 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/15 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/16 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/17 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/18 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/19 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/20 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/21 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/22 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/23 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/24 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2014/3/25 | 86 | 59 | 0 | 0 | 0 | 0 |
| 2014/3/26 | 86 | 60 | 0 | 0 | 0 | 0 |
| 2014/3/27 | 103 | 66 | 8 | 6 | 6 | 5 |
| 2014/3/31 | 112 | 70 | 8 | 6 | 0 | 0 |
| 2014/4/1 | 122 | 80 | 8 | 2 | 0 | 0 |
| 2014/4/2 | 127 | 83 | 8 | 5 | 0 | 0 |
| 2014/4/7 | 151 | 95 | 18 | 7 | 0 | 0 |
| 2014/4/10 | 157 | 101 | 22 | 14 | 0 | 0 |
| 2014/4/17 | 197 | 122 | 27 | 13 | 0 | 0 |
| 2014/4/21 | 203 | 129 | 27 | 13 | 0 | 0 |
| 2014/4/23 | 208 | 136 | 34 | 11 | 0 | 0 |
| 2014/4/30 | 221 | 146 | 13 | 11 | 0 | 0 |
| 2014/5/5 | 231 | 155 | 13 | 11 | 0 | 0 |
| 2014/5/14 | 233 | 157 | 12 | 11 | 0 | 0 |
| 2014/5/23 | 258 | 174 | 12 | 9 | 0 | 0 |
| 2014/5/27 | 258 | 174 | 12 | 9 | 1 | 4 |
| 2014/5/28 | 281 | 186 | 12 | 9 | 16 | 5 |
| 2014/6/2 | 291 | 193 | 13 | 9 | 50 | 6 |
| 2014/6/5 | 344 | 215 | 13 | 9 | 81 | 7 |
| 2014/6/10 | 372 | 236 | 15 | 10 | 89 | 7 |
| 2014/6/11 | 376 | 241 | 15 | 10 | 117 | 19 |
| 2014/6/18 | 398 | 264 | 33 | 24 | 97 | 49 |
| 2014/6/24 | 390 | 270 | 51 | 34 | 158 | 34 |
| 2014/7/2 | 413 | 303 | 107 | 65 | 239 | 99 |
| 2014/7/7 | 412 | 305 | 115 | 75 | 252 | 101 |
| 2014/7/8 | 408 | 307 | 131 | 84 | 305 | 127 |
| 2014/7/14 | 409 | 309 | 142 | 88 | 337 | 142 |
| 2014/7/16 | 406 | 304 | 172 | 105 | 386 | 192 |

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|------------|------|------|------|------|------|------|
| 2014/7/21 | 410 | 310 | 196 | 116 | 442 | 206 |
| 2014/7/24 | 415 | 314 | 224 | 127 | 454 | 219 |
| 2014/7/28 | 427 | 319 | 249 | 129 | 525 | 224 |
| 2014/7/31 | 460 | 339 | 329 | 156 | 533 | 233 |
| 2014/8/3 | 472 | 346 | 391 | 227 | 574 | 252 |
| 2014/8/4 | 485 | 358 | 486 | 255 | 646 | 273 |
| 2014/8/8 | 495 | 367 | 554 | 294 | 717 | 298 |
| 2014/8/12 | 506 | 373 | 599 | 323 | 730 | 315 |
| 2014/8/13 | 510 | 377 | 670 | 355 | 783 | 334 |
| 2014/8/15 | 519 | 380 | 786 | 348 | 810 | 348 |
| 2014/8/19 | 543 | 394 | 834 | 466 | 848 | 365 |
| 2014/8/21 | 579 | 396 | 972 | 576 | 907 | 374 |
| 2014/8/22 | 607 | 406 | 1082 | 624 | 910 | 392 |
| 2014/8/28 | 648 | 430 | 1378 | 694 | 1026 | 422 |
| 2014/9/6 | 812 | 517 | 1871 | 1089 | 1261 | 491 |
| 2014/9/8 | 862 | 555 | 2046 | 1224 | 1361 | 509 |
| 2014/9/12 | 861 | 557 | 2081 | 1137 | 1424 | 524 |
| 2014/9/16 | 936 | 595 | 2407 | 1296 | 1620 | 562 |
| 2014/9/18 | 942 | 601 | 2710 | 1459 | 1673 | 562 |
| 2014/9/22 | 1008 | 632 | 3022 | 1578 | 1813 | 593 |
| 2014/9/24 | 1022 | 635 | 3280 | 1677 | 1940 | 597 |
| 2014/9/26 | 1074 | 648 | 3458 | 1830 | 2021 | 605 |
| 2014/10/1 | 1157 | 710 | 3696 | 1998 | 2304 | 622 |
| 2014/10/3 | 1199 | 739 | 3834 | 2069 | 2437 | 623 |
| 2014/10/8 | 1298 | 768 | 3924 | 2210 | 2789 | 879 |
| 2014/10/10 | 1350 | 778 | 4076 | 2316 | 2950 | 930 |
| 2014/10/15 | 1472 | 843 | 4249 | 2458 | 3252 | 1183 |
| 2014/10/17 | 1519 | 862 | 4262 | 2484 | 3410 | 1200 |
| 2014/10/22 | 1540 | 904 | 4665 | 2705 | 3706 | 1359 |
| 2014/10/25 | 1553 | 926 | 4665 | 2705 | 3896 | 1281 |
| 2014/10/29 | 1906 | 997 | 6535 | 2413 | 5235 | 1500 |
| 2014/10/31 | 1667 | 1018 | 6535 | 2413 | 5338 | 1510 |
| 2014/11/5 | 1731 | 1041 | 6525 | 2697 | 4759 | 1070 |
| 2014/11/7 | 1760 | 1054 | 6619 | 2766 | 4862 | 1130 |
| 2014/11/12 | 1878 | 1142 | 6822 | 2836 | 5368 | 1169 |

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|----------------|------|------|------|------|-------|------|
| 2014/11/1 4 | 1919 | 1166 | 6878 | 2812 | 5586 | 1187 |
| 2014/11/1 9 | 1971 | 1192 | 7069 | 2964 | 6073 | 1250 |
| 2014/11/2 1 | 2047 | 1214 | 7082 | 2963 | 6190 | 1267 |
| 2014/11/2 6 | 2134 | 1260 | 7168 | 3016 | 6599 | 1398 |
| 2014/11/2 8 | 2155 | 1312 | 7635 | 3145 | 7109 | 1530 |
| 2014/12/3 | 2164 | 1327 | 7635 | 3145 | 7312 | 1583 |
| 2014/12/1 0 | 2292 | 1428 | 7719 | 3177 | 7897 | 1768 |
| 2014/12/1 7 | 2416 | 1525 | 7797 | 3290 | 8356 | 2085 |
| 2014/12/2 4 | 2597 | 1607 | 7862 | 3384 | 9004 | 2582 |
| 2014/12/3 1 | 2707 | 1708 | 8018 | 3423 | 9446 | 2758 |
| 2015/1/7 | 2775 | 1781 | 8157 | 3496 | 9780 | 2943 |
| 2015/1/14 | 2806 | 1814 | 8331 | 3538 | 10124 | 3062 |
| 2015/1/21 | 2871 | 1876 | 8478 | 3605 | 10340 | 3145 |
| 2015/1/28 | 2917 | 1910 | 8622 | 3686 | 10518 | 3199 |
| 2015/2/4 | 2975 | 1944 | 8745 | 3746 | 10740 | 3276 |