

S8 Table. For cumulative mortality, 95% interval MIS and MWIS for each prediction horizon.

| Method | 95% interval MIS | | | | | MWIS | | | | |
|----------------------|--------------------|---------------------|--------------------|--------------------|-------------------|-------------------|--------------------|--------------------|------------------|------------------|
| | All | U.S. | High | Med | Low | All | U.S. | High | Med | Low |
| <i>1 week ahead</i> | | | | | | | | | | |
| Mean | 6283 | 107370 | 9357 | 2445 | 1101 | 202 | 3806 | 283 | 78 | 34 |
| Median | 2355 ^{ab} | 29080 ^b | 4791 ^b | 465 ^{ab} | 237 ^b | 93 ^{ab} | 1567 ^b | 158 ^b | 24 ^{ab} | 11 ^{ab} |
| Ensemble | 2364 ^b | 30211 ^b | 4749 ^{bc} | 470 ^b | 235 ^{ab} | 93 ^{ab} | 1559 ^{ab} | 157 ^{abc} | 24 ^{ab} | 11 ^{ab} |
| Sym trim | 2723 ^b | 32310 ^b | 5376 ^b | 694 ^b | 359 ^b | 101 ^b | 1652 ^b | 171 ^b | 28 ^b | 13 ^b |
| Exterior trim | 5642 ^b | 92082 ^b | 8593 ^b | 2205 ^b | 1043 ^b | 166 ^b | 2893 ^b | 246 ^b | 63 ^b | 29 ^b |
| Interior trim | 2444 ^b | 23852 | 4379 ^{ab} | 1075 ^b | 619 ^b | 134 ^b | 2120 ^b | 206 ^b | 52 ^b | 26 ^b |
| Envelope | 5076 ^b | 97199 | 7209 ^b | 1941 ^b | 659 ^b | 780 | 17437 | 927 | 329 | 103 |
| Inv score | 3737 ^b | 30588 ^b | 6840 ^b | 1878 ^b | 914 ^b | 130 ^b | 1865 ^b | 208 ^b | 54 ^b | 27 ^b |
| Inv score tuning | 4225 ^b | 22738 ^b | 7784 | 2961 | 842 | 128 ^b | 1644 ^b | 214 ^b | 57 ^b | 24 ^b |
| Previous best | 5232 | 20629 ^{ab} | 9196 | 5120 | 473 | 130 ^b | 1609 ^b | 218 ^b | 69 | 17 ^b |
| <i>2 weeks ahead</i> | | | | | | | | | | |
| Mean | 5912 | 89926 | 9250 | 2463 | 1080 | 227 | 3907 | 335 | 92 | 37 |
| Median | 2574 ^{ab} | 26967 ^b | 5222 ^b | 788 ^{ab} | 278 ^{ab} | 123 ^{ab} | 1966 ^b | 201 ^b | 43 ^{ab} | 16 ^{ab} |
| Ensemble | 2630 ^b | 30649 ^b | 5164 ^{ab} | 800 ^b | 279 ^b | 124 ^b | 2038 ^b | 199 ^{ab} | 43 ^{ab} | 16 ^{ab} |
| Sym trim | 2894 ^b | 28487 ^b | 5792 ^b | 1000 ^b | 384 ^b | 131 ^b | 1994 ^b | 218 ^b | 47 ^b | 18 ^b |
| Exterior trim | 5687 ^b | 85822 | 8922 ^b | 2370 ^b | 1056 | 196 ^b | 3127 ^b | 303 ^b | 80 ^b | 33 ^b |
| Interior trim | 3157 ^b | 25998 ^b | 6126 | 1334 ^b | 667 ^b | 208 | 2518 ^b | 387 | 71 ^b | 31 ^b |
| Envelope | 6525 | 114668 | 9762 | 2510 | 942 | 954 | 19297 | 1278 | 384 | 121 |
| Inv score | 3785 ^b | 24350 ^b | 7121 ^b | 2088 | 937 | 162 ^b | 2135 ^b | 266 ^b | 71 ^b | 32 ^b |
| Inv score tuning | 4301 ^b | 19548 ^{ab} | 7940 | 3198 | 869 | 154 ^b | 1933 ^{ab} | 254 ^b | 75 ^b | 29 ^b |
| Previous best | 5684 | 27102 ^b | 9635 | 5597 | 559 | 166 ^b | 2100 ^b | 266 ^b | 95 | 23 |
| <i>3 weeks ahead</i> | | | | | | | | | | |
| Mean | 4971 | 78958 | 8254 | 1800 | 507 | 235 | 4203 | 355 | 89 | 27 |
| Median | 2873 ^b | 29160 | 5671 ^b | 1077 ^b | 326 ^b | 156 ^b | 2488 ^b | 247 ^b | 63 ^{ab} | 20 ^{ab} |
| Ensemble | 2907 ^b | 31733 | 5617 ^b | 1082 ^b | 328 ^b | 155 ^{ab} | 2484 ^b | 245 ^{ab} | 64 ^b | 20 ^{ab} |
| Sym trim | 3040 ^b | 34160 | 5832 ^b | 1138 ^b | 320 ^b | 162 ^b | 2591 ^b | 258 ^b | 65 ^b | 20 ^{ab} |
| Exterior trim | 5034 | 80925 | 8288 | 1843 | 508 | 212 ^b | 3552 ^b | 332 ^b | 81 ^b | 25 ^b |
| Interior trim | 3293 | 31080 | 6874 | 1069 ^{ab} | 301 ^b | 252 | 3136 | 491 | 73 ^b | 23 ^b |
| Envelope | 8114 | 147130 | 11750 | 3032 | 1381 | 1081 | 21951 | 1499 | 403 | 113 |
| Inv score | 2908 ^b | 27823 | 5911 ^b | 1070 ^b | 277 ^{ab} | 172 ^b | 2627 ^b | 285 ^b | 67 ^b | 21 ^b |
| Inv score tuning | 2791 ^{ab} | 24017 ^{ab} | 5604 ^{ab} | 1231 ^b | 290 ^b | 159 ^b | 2385 ^{ab} | 257 ^b | 69 ^b | 21 ^b |
| Previous best | 3764 | 36374 | 7336 | 1664 | 373 ^b | 183 ^b | 2793 | 280 | 90 | 24 |
| <i>4 weeks ahead</i> | | | | | | | | | | |
| Mean | 4993 | 73035 | 8425 | 1985 | 568 | 271 | 4706 | 410 | 109 | 32 |
| Median | 3335 ^b | 35545 | 6373 ^b | 1352 ^{ab} | 384 ^b | 200 ^{ab} | 3306 | 307 ^b | 85 ^{ab} | 26 ^{ab} |
| Ensemble | 3384 ^b | 39995 | 6248 ^b | 1368 ^b | 383 ^b | 200 ^{ab} | 3338 | 302 ^{ab} | 86 ^b | 26 ^{ab} |
| Sym trim | 3517 ^b | 41194 | 6527 ^b | 1435 ^b | 375 ^b | 208 ^b | 3423 | 320 ^b | 88 ^b | 26 ^{ab} |
| Exterior trim | 5188 | 76633 | 8726 | 2092 | 544 | 254 ^b | 4195 | 397 | 103 ^b | 30 ^b |
| Interior trim | 3920 | 40403 | 7794 | 1403 ^b | 417 ^b | 311 | 3960 | 592 | 96 ^b | 30 ^b |
| Envelope | 11944 | 258403 | 14536 | 4241 | 2558 | 1292 | 25886 | 1789 | 490 | 151 |
| Inv score | 3286 ^b | 33773 | 6369 ^b | 1356 ^b | 340 ^{ab} | 216 ^b | 3355 | 346 ^b | 89 ^b | 26 ^{ab} |
| Inv score tuning | 3187 ^{ab} | 32193 ^a | 5943 ^{ab} | 1558 ^b | 354 ^b | 201 ^b | 3117 ^a | 312 ^b | 92 ^b | 27 ^b |
| Previous best | 4465 | 48258 | 8206 | 2146 | 466 | 240 | 3820 | 358 | 121 | 32 |

Lower values are better. ^a best method for each horizon in each column; ^b score is significantly lower than the mean combination; ^c score is significantly lower than the median combination.