**Table 1. Projected national peak timing and peak size of hospitalizations**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2023–2024 season | | | | 2024–2025 season | | | | |
| Scenario | **Peak timing** | **Peak size** | **Total hospitalizations** | **Total deaths** | **Peak timing** | **Peak size** | | **Total hospitalizations** | **Total deaths** |
| High immune escape | | | | | | | | | |
| No booster recommendation | Dec 10  (Nov 20–Jan 14) | 42K  (26,815–63,384) | 1,001,210  (828,374–1,695,779) | 101,700  (77,035–191,679) | Dec 15  (Nov 17–Jan 19) | 44,799  (24,806–64,751) | | 1,080,360  (742,309–2,120,896) | 120,706  (75,313–218,067) |
| Booster recommended for 65+ | Dec 10  (Nov 19–Jan 14) | 39,052  (25,598–54,219) | 921,948  (768,090–1,507,666) | 95,107  (67,047–158,343) | Dec 15  (Nov 17–Jan 5) | 41,366  (23,401–55,038) | | 1,038,894  (675,981–1,790,419) | 100,078  (62,374–175,462) |
| Booster recommended for all | Dec 10  (Nov 5–Jan 21) | 35,146  (21,754–43,900) | 834,599  (684,268–1,420,485) | 82,472  (63,546–152,402) | Dec 8  (Nov 3–Jan 5) | 32,403  (20,176–49,599) | | 972,442  (605,809–1,620,629) | 90,134  (58,292–162,226) |
| Low immune escape | | | | | | | | | |
| No booster recommendation | Dec 13  (Nov 19–Jan 21) | 36,292  (23,150–53,108) | 812,304  (735,240–1,064,632) | 79,629  (47,283–103,531) | Dec 29  (Dec 1–Feb 9) | 34,960  (21,512–49,112) | 1,007,473  (614,793–1,168,245) | | 85,843  (58,245–135,314) |
| Booster recommended for 65+ | Dec 3  (Nov 12–Jan 21) | 33,530  (21,238–43,778) | 777,810  (659,783–919,757) | 70,848  (59,552–101,768) | Dec 22  (Nov 24–Jan 24) | 32,256  (18,811–42,382) | 862,306  (536,046–1,020,626) | | 79,741  (47,283–103,531) |
| Booster recommended for all | Dec 3  (Nov 5–Jan 21) | 26,222  (18,384–35,902) | 683,979  (581,600–1,420,485) | 63,142  (53,382–90,853) | Dec 3  (Nov 10–Jan 19) | 27,588  (16,064–31,877) | 722,941  (481,454–936,628) | | 70,405  (43,655–95,071) |

Each value represents the median with the 50% projection interval.

**Table 2S. S**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2023–2024 season | | | | 2024–2025 season | | | | |
| Scenario | **Peak timing** | **Peak size** | **Total hospitalizations** | **Total deaths** | **Peak timing** | **Peak size** | | **Total hospitalizations** | **Total deaths** |
| High immune escape | | | | | | | | | |
| No booster recommendation | Dec 10  (Oct 15–Apr 14) | 41,690  (16,640–110,295) | 1,001,210  (440,639–2,262,540) | 101,700  (53,534–236,611) | Dec 15  (May 12–Apr 13) | 44,799  (16,029–95,588) | | 1,080,360  (442,585–2,893,995) | 120,706  (49,182–304,913) |
| Booster recommended for 65+ | Dec 10  (Oct 8–Feb 11) | 39,052  (15,667–96,007) | 921,948  (405,355–2,081,596) | 95,107  (46,059–210,875) | Dec 15  (Oct 6–Mar 10) | 41,366  (14,611–83,432) | | 1,038,894  (393,370–2,727,537) | 100,078  (35,767–284,417) |
| Booster recommended for all | Dec 10  (Sep 29–Mar 24) | 35,146  (13,975–94,950) | 834,599  (391,397–1,981,891) | 82,472  (39,423–200,714) | Dec 8  (Mar 31–Mar 3) | 32,403  (12,167–80,928) | | 972,442  (326,842–2,655,780) | 90,134  (28,462–277,280) |
| Low immune escape | | | | | | | | | |
| No booster recommendation | Dec 13  (Jun 11–Apr 14) | 36,292  (14,469–89,328) | 812,304  (335,928–1,416,283) | 79,629  (38,096–145,555) | Dec 29  (Jun 9–Apr 13) | 34,960  (13,102–86,298) | 1,007,473  (327,860–1,515,214) | | 85,843  (42,989–178,253) |
| Booster recommended for 65+ | Dec 3  (May 5–Mar 10) | 33,530  (13,158–74,906) | 777,810  (298,069–1,247,825) | 70,848  (34,396–116,478) | Dec 22  (Oct 20–Mar 9) | 32,256  (12,164–74,309) | 862,306  (281,219–1,250,844) | | 79,741  (27,218–169,093) |
| Booster recommended for all | Dec 3  (Apr 28–Mar 10) | 26,222  (10,962–64,121) | 683,979  (273,322–1,076,873) | 63,142  (28,148–110,102) | Dec 15  (Jun 2–Mar 9) | 27,588  (9,854–55,541) | 722,941  (213,934–1,061,497) | | 70,405  (18,572–155,030) |

Each value represents the median with the 95% projection interval.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2023–2024 season | | | | 2024–2025 season | | | | |
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