## Efficacy against infection

| Vaccine | 0 = delta, 1 = omicron | 90d pd2 | 180d pd2 | 30d pb | 60d pb | 90d pb | 120d pb | 150d pb | 180d pb | 365d pb |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AZ\_AZ | 0 | 57.5 (56.7-58.1) | 38.5 (37.3-39.5) | 87.7 (84.3-90.3) | 80.6 (76-84.5) | 72.8 (67-77.8) | 65.6 (59.2-71.5) | 59.8 (53.1-66) | 55.4 (48.6-62.1) | 42.7 (34.3-50.1) |
| AZ\_AZ | 1 | 12.1 (11.7-12.6) | 6 (5.7-6.3) | 42.1 (35.7-48.8) | 29.8 (24.6-35.6) | 21.5 (17.3-26.2) | 16.3 (12.9-20.3) | 13.2 (10.4-16.5) | 11.3 (8.8-14.2) | 7.1 (5.1-9.3) |
| MD\_MD | 0 | 82.7 (82.1-83.3) | 69 (67.6-70.1) | 94.4 (94.1-94.6) | 90.7 (90.2-91.1) | 86.3 (85.6-86.8) | 81.7 (80.8-82.4) | 77.7 (76.6-78.6) | 74.5 (72.9-75.6) | 63.7 (58.3-66.8) |
| MD\_MD | 1 | 32.9 (31.9-33.9) | 18.6 (17.5-19.4) | 63.1 (62.2-63.8) | 49.9 (48.7-50.9) | 39.1 (37.8-40.2) | 31.4 (30.2-32.5) | 26.3 (25.1-27.3) | 23 (21.6-24) | 15.2 (12.5-17.1) |
| PF\_PF | 0 | 76.3 (75.7-76.7) | 59.9 (58.6-60.9) | 92.6 (92.4-92.8) | 88 (87.6-88.3) | 82.5 (81.9-83) | 77.1 (76.3-77.8) | 72.4 (71.3-73.3) | 68.6 (67.3-69.8) | 56.8 (51.2-60.3) |
| PF\_PF | 1 | 24.8 (24.1-25.3) | 13.3 (12.6-13.8) | 56.2 (55.6-56.7) | 42.8 (42.1-43.5) | 32.5 (31.8-33.3) | 25.6 (24.8-26.4) | 21.1 (20.3-21.9) | 18.3 (17.4-19.1) | 11.9 (9.7-13.4) |

## Efficacy against severe disease

| Vaccine | 0 = delta, 1 = omicron | 90d pd2 | 180d pd2 | 30d pb | 60d pb | 90d pb | 120d pb | 150d pb | 180d pb | 365d pb |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AZ\_AZ | 0 | 88.5 (88-89) | 78.1 (76.9-79.1) | 97.6 (96.9-98.2) | 95.9 (94.7-96.9) | 93.8 (92-95.3) | 91.5 (89.2-93.4) | 89.4 (86.5-91.7) | 87.6 (84.2-90.3) | 80.9 (74.7-85.2) |
| AZ\_AZ | 1 | 44 (42.7-45.5) | 26.7 (25.3-28.1) | 80.5 (76-84.6) | 70.7 (64.8-76.1) | 60.8 (54.1-67.2) | 52.5 (45.7-59.3) | 46.3 (39.5-53) | 41.9 (35.2-48.5) | 30.2 (23.2-37) |
| MD\_MD | 0 | 96.5 (96.3-96.7) | 92.7 (92.1-93.2) | 99 (98.9-99) | 98.2 (98.1-98.3) | 97.3 (97.1-97.4) | 96.2 (95.9-96.5) | 95.2 (94.8-95.5) | 94.3 (93.8-94.7) | 90.9 (88.7-92.1) |
| MD\_MD | 1 | 73.6 (72.4-74.8) | 56.4 (54.4-58.3) | 90.7 (90.2-91.1) | 85 (84.2-85.7) | 78.5 (77.4-79.5) | 72.2 (70.8-73.6) | 67 (65.3-68.6) | 62.9 (60.9-64.7) | 50.5 (44.7-54.3) |
| PF\_PF | 0 | 94.8 (94.6-95) | 89.5 (88.8-90.1) | 98.6 (98.5-98.7) | 97.6 (97.5-97.8) | 96.4 (96.2-96.6) | 95 (94.8-95.3) | 93.7 (93.3-94.1) | 92.6 (92-93) | 88.2 (85.6-89.8) |
| PF\_PF | 1 | 65.2 (64-66.4) | 46.5 (44.7-48.2) | 87.9 (87.4-88.5) | 81 (80.2-81.7) | 73.3 (72.3-74.3) | 66.1 (64.9-67.4) | 60.4 (58.8-61.9) | 56 (54.1-57.8) | 43.3 (37.8-47.2) |

## Efficacy against death

| Vaccine | 0 = delta, 1 = omicron | 90d pd2 | 180d pd2 | 30d pb | 60d pb | 90d pb | 120d pb | 150d pb | 180d pb | 365d pb |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AZ\_AZ | 0 | 90.5 (89.2-91.8) | 81.6 (79.3-83.8) | 98 (97.4-98.6) | 96.7 (95.6-97.6) | 95 (93.3-96.3) | 93.1 (90.8-94.9) | 91.3 (88.5-93.5) | 89.7 (86.4-92.4) | 84 (78.2-88.3) |
| AZ\_AZ | 1 | 49.3 (45.7-53.5) | 31.1 (27.9-34.7) | 83.7 (79.1-87.5) | 74.9 (68.8-80.3) | 65.8 (58.6-72.6) | 57.9 (50.2-65.5) | 51.7 (43.9-59.6) | 47.2 (39.4-55.2) | 35 (26.7-43.5) |
| MD\_MD | 0 | 97.1 (96.7-97.5) | 94 (93.1-94.9) | 99.2 (99-99.3) | 98.6 (98.3-98.8) | 97.8 (97.4-98.1) | 96.9 (96.4-97.4) | 96.1 (95.4-96.7) | 95.4 (94.6-96) | 92.5 (90.5-93.9) |
| MD\_MD | 1 | 77.6 (75-80.4) | 61.6 (57.9-65.5) | 92.3 (91.2-93.4) | 87.5 (85.8-89.2) | 81.9 (79.5-84.2) | 76.4 (73.5-79.1) | 71.6 (68.3-74.7) | 67.8 (64.1-71.1) | 55.8 (49.4-61.1) |
| PF\_PF | 0 | 95.8 (95.1-96.4) | 91.3 (90-92.5) | 98.9 (98.7-99) | 98.1 (97.8-98.4) | 97.1 (96.6-97.5) | 95.9 (95.3-96.6) | 94.9 (94.1-95.6) | 93.9 (92.9-94.8) | 90.3 (87.8-92.1) |
| PF\_PF | 1 | 69.9 (66.7-73.2) | 51.9 (48-55.9) | 90 (88.7-91.4) | 84.1 (82.1-86.2) | 77.3 (74.6-80.1) | 70.8 (67.6-74.2) | 65.4 (61.8-69.1) | 61.2 (57.4-65.2) | 48.7 (42.4-54.2) |