## 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 | 61.6 (60.9-62.2) | 42.2 (40.9-43.1) | 86.8 (83-89.7) | 79.1 (73.8-83.3) | 70.6 (64.3-76) | 62.8 (55.8-69) | 56.7 (49.3-63.2) | 52.2 (44.9-59) | 40.1 (31.8-47.6) |
| AZ\_AZ | 1 | 15.1 (14.5-15.5) | 7.5 (7-7.8) | 42.2 (35.2-48.9) | 29.5 (23.7-35.4) | 21 (16.5-25.7) | 15.8 (12.2-19.7) | 12.7 (9.7-16) | 10.8 (8.2-13.7) | 6.9 (4.9-9) |
| MD\_MD | 0 | 82.4 (81.7-82.9) | 68 (66.5-69) | 97.2 (97.1-97.4) | 95.3 (95-95.6) | 92.8 (92.3-93.2) | 90.1 (89.4-90.6) | 87.5 (86.6-88.2) | 85.4 (84.2-86.3) | 78.2 (74.4-80.5) |
| MD\_MD | 1 | 34.1 (33-35) | 19 (17.9-19.9) | 79.6 (78.7-80.4) | 69.2 (67.9-70.3) | 58.7 (57.2-60.2) | 50.1 (48.4-51.6) | 43.7 (41.8-45.4) | 39.3 (37.2-41.1) | 28.4 (24.3-31.4) |
| PF\_PF | 0 | 73.3 (72.7-73.7) | 55.5 (54.1-56.3) | 94 (93.8-94.2) | 90 (89.6-90.4) | 85.1 (84.5-85.6) | 80.1 (79.3-80.8) | 75.7 (74.6-76.6) | 72.2 (70.7-73.3) | 61.4 (56.4-64.5) |
| PF\_PF | 1 | 23.3 (22.6-23.8) | 12.1 (11.4-12.6) | 63.5 (62.8-64.1) | 49.9 (49.1-50.7) | 38.7 (37.7-39.6) | 30.8 (29.8-31.7) | 25.7 (24.5-26.6) | 22.3 (21-23.4) | 15 (12.5-16.7) |

## 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 | 92.1 (91.6-92.5) | 84.1 (82.9-84.9) | 98 (97.3-98.5) | 96.5 (95.3-97.3) | 94.6 (92.8-95.8) | 92.5 (90.1-94.2) | 90.5 (87.5-92.6) | 88.8 (85.3-91.2) | 82.9 (76.9-86.9) |
| AZ\_AZ | 1 | 56.3 (54.5-57.7) | 36.9 (34.8-38.5) | 84.1 (79.7-87.5) | 75.2 (69.3-79.9) | 65.8 (59-71.7) | 57.6 (50.1-64.1) | 51.2 (43.7-58.1) | 46.7 (39.1-53.7) | 34.9 (26.8-42.5) |
| MD\_MD | 0 | 97.1 (96.9-97.3) | 93.9 (93.3-94.3) | 99.6 (99.6-99.6) | 99.3 (99.3-99.4) | 98.9 (98.8-99) | 98.5 (98.4-98.6) | 98.1 (97.9-98.2) | 97.7 (97.4-97.9) | 96.3 (95.4-96.8) |
| MD\_MD | 1 | 78.9 (77.5-80) | 63 (60.6-65) | 96.6 (96.3-96.9) | 94.2 (93.7-94.6) | 91.2 (90.4-91.8) | 87.9 (86.8-88.7) | 84.9 (83.5-86) | 82.4 (80.6-83.8) | 74.2 (69.8-77.1) |
| PF\_PF | 0 | 95.2 (94.9-95.5) | 90 (89.2-90.6) | 99.1 (99.1-99.2) | 98.5 (98.4-98.6) | 97.6 (97.5-97.8) | 96.7 (96.4-96.9) | 95.8 (95.4-96) | 95 (94.5-95.3) | 92 (90.3-93) |
| PF\_PF | 1 | 68.7 (67.2-69.9) | 50 (47.6-51.6) | 92.6 (92.2-93) | 87.8 (87.1-88.5) | 82.1 (81-82.9) | 76.4 (74.9-77.4) | 71.4 (69.6-72.8) | 67.6 (65.3-69.2) | 56.1 (50.6-59.6) |

## 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 | 91.7 (90.6-92.8) | 83.5 (81-85.5) | 97.9 (97.1-98.4) | 96.3 (95-97.3) | 94.3 (92.3-95.8) | 92.1 (89.5-94.1) | 90.1 (86.8-92.5) | 88.3 (84.4-91.2) | 82.2 (76-86.7) |
| AZ\_AZ | 1 | 55.1 (51.5-58.7) | 35.8 (32.1-39.5) | 83.5 (78.8-87.3) | 74.3 (67.8-79.8) | 64.8 (57.1-71.6) | 56.4 (48.5-64) | 50.1 (42-58) | 45.5 (37.5-53.4) | 33.9 (25.9-42.1) |
| MD\_MD | 0 | 97 (96.5-97.4) | 93.6 (92.5-94.5) | 99.6 (99.5-99.7) | 99.3 (99.2-99.4) | 98.9 (98.7-99.1) | 98.4 (98.1-98.7) | 98 (97.6-98.3) | 97.6 (97.1-98) | 96.1 (95-96.8) |
| MD\_MD | 1 | 78.2 (75.4-80.6) | 61.9 (57.7-65.6) | 96.4 (95.8-96.9) | 93.9 (93-94.8) | 90.8 (89.4-92) | 87.4 (85.5-89.1) | 84.3 (81.9-86.4) | 81.7 (78.8-84.1) | 73.3 (67.7-77.2) |
| PF\_PF | 0 | 95 (94.2-95.6) | 89.6 (87.9-91) | 99.1 (98.9-99.2) | 98.4 (98.2-98.7) | 97.5 (97.1-97.9) | 96.5 (96-97) | 95.6 (94.8-96.2) | 94.7 (93.7-95.5) | 91.7 (89.4-93) |
| PF\_PF | 1 | 67.7 (64.3-70.8) | 48.8 (44.6-52.7) | 92.3 (91.2-93.4) | 87.3 (85.6-89) | 81.4 (78.9-83.7) | 75.5 (72.4-78.3) | 70.5 (66.8-73.7) | 66.5 (62.5-70) | 55 (48.4-59.8) |