## 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 | 56.8 (56-57.6) | 38.2 (36.8-39.1) | 87.7 (84.2-90.4) | 80.4 (75.5-84.5) | 72.4 (66.3-77.8) | 65.1 (58.3-71.4) | 59.4 (52.2-66.1) | 55.1 (47.9-62.2) | 43 (34.5-50.6) |
| AZ\_AZ | 1 | 11.9 (11.4-12.3) | 5.9 (5.6-6.2) | 42.1 (35.4-49.1) | 29.5 (24-35.9) | 21.2 (16.7-26.5) | 16.1 (12.5-20.4) | 13 (10.1-16.7) | 11.2 (8.6-14.5) | 7.2 (5.1-9.5) |
| MD\_MD | 0 | 82.8 (82-83.2) | 69.2 (67.7-70.3) | 94.5 (94.2-94.7) | 90.8 (90.3-91.1) | 86.3 (85.6-86.8) | 81.8 (80.9-82.5) | 77.8 (76.6-78.7) | 74.7 (73.1-75.8) | 64.4 (58.9-67.6) |
| MD\_MD | 1 | 33 (31.8-33.9) | 18.7 (17.5-19.6) | 63.6 (62.5-64.2) | 50.2 (48.8-51) | 39.2 (37.8-40.2) | 31.5 (30.2-32.5) | 26.5 (25.1-27.4) | 23.2 (21.8-24.3) | 15.7 (12.7-17.5) |
| PF\_PF | 0 | 76.3 (75.7-76.6) | 60.1 (58.7-60.9) | 92.7 (92.4-92.9) | 88 (87.5-88.3) | 82.5 (81.8-82.9) | 77 (76.1-77.6) | 72.4 (71.2-73.2) | 68.8 (67.1-69.8) | 57.5 (51.4-60.9) |
| PF\_PF | 1 | 24.8 (24-25.3) | 13.4 (12.6-13.8) | 56.6 (55.8-57) | 42.9 (41.9-43.5) | 32.5 (31.4-33.2) | 25.6 (24.5-26.2) | 21.2 (20.1-21.9) | 18.4 (17.2-19.2) | 12.2 (9.8-13.8) |

## 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 | 90.5 (90-91) | 86.3 (85.5-87.1) | 97.3 (96.5-97.9) | 95.7 (94.5-96.6) | 93.9 (92.5-95.1) | 92.3 (90.8-93.7) | 91 (89.4-92.6) | 90.1 (88.4-91.7) | 87.4 (85.4-89.2) |
| AZ\_AZ | 1 | 80.5 (79.5-81.6) | 79.2 (78.1-80.3) | 87.2 (85.6-88.8) | 84.4 (83-86) | 82.6 (81.2-84) | 81.5 (80.2-82.7) | 80.8 (79.6-82) | 80.4 (79.2-81.6) | 79.5 (78.3-80.6) |
| MD\_MD | 0 | 96.2 (95.9-96.4) | 93.2 (92.7-93.6) | 98.8 (98.7-98.8) | 98 (97.8-98.1) | 97 (96.7-97.2) | 96 (95.7-96.2) | 95.1 (94.7-95.4) | 94.4 (93.9-94.8) | 92.1 (90.9-93) |
| MD\_MD | 1 | 85.2 (84.3-86) | 82.1 (81-83) | 92 (91.4-92.4) | 89 (88.3-89.6) | 86.6 (85.8-87.3) | 84.9 (84-85.7) | 83.8 (82.8-84.6) | 83 (82-84) | 81.4 (80.1-82.4) |
| PF\_PF | 0 | 94.8 (94.4-95) | 91.2 (90.6-91.6) | 98.4 (98.3-98.5) | 97.4 (97.2-97.5) | 96.1 (95.9-96.3) | 94.9 (94.6-95.2) | 93.9 (93.5-94.2) | 93.1 (92.6-93.5) | 90.6 (89.3-91.5) |
| PF\_PF | 1 | 83.4 (82.4-84.2) | 80.9 (79.8-81.9) | 90.4 (89.8-90.9) | 87.4 (86.7-88) | 85.1 (84.2-85.8) | 83.6 (82.6-84.4) | 82.6 (81.6-83.5) | 82 (80.9-82.9) | 80.6 (79.4-81.7) |

## 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 | 91.2 (89.9-92.3) | 87.4 (85.4-88.9) | 97.5 (96.7-98.1) | 96 (94.8-97) | 94.4 (92.8-95.7) | 92.9 (91.1-94.4) | 91.7 (89.7-93.4) | 90.8 (88.7-92.7) | 88.4 (85.7-90.5) |
| AZ\_AZ | 1 | 82 (79.4-84.2) | 80.8 (78-83.2) | 88.2 (85.8-90.2) | 85.6 (83.1-87.8) | 83.9 (81.3-86.1) | 82.9 (80.2-85.1) | 82.3 (79.4-84.6) | 81.9 (79-84.2) | 81.1 (78.1-83.5) |
| MD\_MD | 0 | 96.5 (95.9-96.9) | 93.7 (92.7-94.5) | 98.9 (98.7-99) | 98.1 (97.8-98.3) | 97.2 (96.8-97.5) | 96.3 (95.7-96.7) | 95.5 (94.7-96) | 94.8 (94-95.5) | 92.7 (91.1-93.8) |
| MD\_MD | 1 | 86.3 (84.3-88) | 83.4 (80.9-85.4) | 92.6 (91.4-93.5) | 89.8 (88.3-91.1) | 87.6 (85.7-89.1) | 86 (83.9-87.7) | 85 (82.7-86.9) | 84.3 (81.9-86.3) | 82.8 (80-84.9) |
| PF\_PF | 0 | 95.2 (94.4-95.7) | 91.9 (90.5-92.9) | 98.5 (98.3-98.7) | 97.6 (97.2-97.9) | 96.4 (95.9-96.9) | 95.3 (94.6-95.9) | 94.4 (93.5-95.1) | 93.6 (92.6-94.4) | 91.3 (89.4-92.6) |
| PF\_PF | 1 | 84.7 (82.3-86.5) | 82.3 (79.7-84.5) | 91.2 (89.8-92.2) | 88.4 (86.6-89.7) | 86.2 (84.2-87.9) | 84.8 (82.5-86.6) | 83.9 (81.5-85.9) | 83.4 (80.8-85.4) | 82.1 (79.3-84.3) |