## 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 | 56.6 (55.6-57.2) | 38.4 (37.2-39.3) | 87.5 (84.2-90.2) | 80.3 (75.4-84.3) | 72.3 (66.2-77.5) | 65.2 (58.3-71.1) | 59.6 (52.4-66) | 55.5 (48.3-62.2) | 44.8 (36.9-52.3) |
| AZ\_AZ | 1 | 12 (11.5-12.4) | 6.1 (5.8-6.4) | 42.3 (35.7-49.3) | 29.9 (24.4-36) | 21.5 (17.2-26.6) | 16.4 (12.9-20.6) | 13.4 (10.4-16.9) | 11.6 (8.9-14.8) | 7.8 (5.8-10.3) |
| MD\_MD | 0 | 82.5 (81.9-83.1) | 69.3 (68.1-70.5) | 94.3 (94.1-94.6) | 90.6 (90.2-91) | 86 (85.5-86.7) | 81.5 (80.8-82.4) | 77.6 (76.7-78.7) | 74.6 (73.5-76) | 65.7 (62-68.6) |
| MD\_MD | 1 | 33.1 (32.2-34.2) | 19.1 (18.2-20.2) | 63.4 (62.7-64.4) | 50.1 (49.2-51.4) | 39.2 (38.2-40.6) | 31.6 (30.6-33) | 26.7 (25.7-28) | 23.6 (22.5-24.9) | 16.7 (14.6-18.7) |
| PF\_PF | 0 | 75.8 (75.3-76.3) | 60 (58.8-61) | 92.6 (92.4-92.9) | 87.9 (87.6-88.3) | 82.4 (81.8-83) | 77 (76.2-77.8) | 72.5 (71.5-73.6) | 69.1 (67.8-70.4) | 59.3 (55.2-62.4) |
| PF\_PF | 1 | 24.8 (24.1-25.3) | 13.6 (13-14.1) | 56.7 (56.2-57.5) | 43.3 (42.5-44.1) | 32.9 (32.1-33.8) | 26 (25.1-26.8) | 21.6 (20.9-22.5) | 19 (18.1-20) | 13.2 (11.4-14.8) |

## 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 | 90.7 (90.2-91.2) | 82.3 (81.2-83.3) | 98.1 (97.5-98.6) | 96.8 (95.9-97.6) | 95.1 (93.7-96.3) | 93.3 (91.4-94.9) | 91.7 (89.3-93.6) | 90.3 (87.6-92.5) | 85.9 (81.6-89.2) |
| AZ\_AZ | 1 | 50.6 (48.9-52.1) | 32.8 (31-34.4) | 84.6 (80.7-87.9) | 76.1 (70.8-80.8) | 67.2 (60.9-73.1) | 59.5 (52.8-66.1) | 53.6 (46.8-60.6) | 49.5 (42.7-56.7) | 38.9 (31.8-46.8) |
| MD\_MD | 0 | 97.2 (97.1-97.4) | 94.4 (94-94.9) | 99.2 (99.1-99.3) | 98.6 (98.5-98.7) | 97.9 (97.7-98) | 97.1 (96.8-97.3) | 96.3 (96-96.6) | 95.7 (95.3-96.1) | 93.5 (92.4-94.3) |
| MD\_MD | 1 | 78.7 (77.6-80.1) | 63.9 (61.9-65.9) | 92.8 (92.4-93.3) | 88.3 (87.6-89) | 82.9 (81.9-84) | 77.6 (76.3-79) | 73.1 (71.6-75) | 69.8 (68-71.9) | 60 (56-63.6) |
| PF\_PF | 0 | 95.9 (95.7-96.1) | 91.8 (91.2-92.4) | 98.9 (98.9-99) | 98.2 (98.1-98.3) | 97.2 (97.1-97.4) | 96.2 (95.9-96.4) | 95.2 (94.8-95.5) | 94.4 (93.9-94.8) | 91.6 (90.2-92.6) |
| PF\_PF | 1 | 71.1 (69.7-72.4) | 54 (52-55.9) | 90.8 (90.3-91.3) | 85.1 (84.4-85.9) | 78.6 (77.6-79.8) | 72.4 (71.1-73.8) | 67.4 (65.8-69.1) | 63.7 (61.7-65.7) | 53.3 (49.1-56.9) |

## 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 | 90.4 (89-91.7) | 81.8 (79.4-84) | 98.1 (97.4-98.6) | 96.7 (95.7-97.6) | 95 (93.4-96.3) | 93.1 (91-94.8) | 91.4 (88.8-93.5) | 90 (87-92.5) | 85.4 (80.9-89.1) |
| AZ\_AZ | 1 | 49.7 (46-53.6) | 32 (28.8-35.6) | 84.1 (79.8-87.8) | 75.5 (69.7-80.7) | 66.4 (59.5-72.9) | 58.6 (51.3-65.7) | 52.7 (45.3-60.3) | 48.6 (41.3-56.4) | 38.1 (30.5-46.4) |
| MD\_MD | 0 | 97.1 (96.7-97.6) | 94.2 (93.4-95) | 99.2 (99-99.3) | 98.6 (98.4-98.8) | 97.8 (97.5-98.2) | 97 (96.5-97.4) | 96.2 (95.6-96.8) | 95.5 (94.8-96.2) | 93.3 (91.8-94.4) |
| MD\_MD | 1 | 78.1 (75.6-80.9) | 63 (59.6-66.9) | 92.6 (91.6-93.7) | 87.9 (86.4-89.6) | 82.3 (80.3-84.8) | 76.9 (74.3-80) | 72.4 (69.5-75.9) | 69 (65.8-72.8) | 59.2 (54-64) |
| PF\_PF | 0 | 95.8 (95.2-96.4) | 91.5 (90.3-92.7) | 98.9 (98.7-99.1) | 98.1 (97.9-98.4) | 97.1 (96.7-97.6) | 96 (95.4-96.6) | 95 (94.2-95.8) | 94.2 (93.2-95) | 91.3 (89.5-92.8) |
| PF\_PF | 1 | 70.4 (67.3-73.6) | 53.1 (49.4-57.2) | 90.5 (89.2-91.8) | 84.6 (82.7-86.7) | 78 (75.5-80.8) | 71.7 (68.7-75) | 66.6 (63.4-70.3) | 62.8 (59.2-66.8) | 52.4 (47.2-57.3) |