Slow-decrease epidemic Slow-growth epidemic Fast-growth epidemic 1(95%) 1.00 0.86 0.76 0.63 0.55 - 1.00 0.74 0.60 0.44 0.36 - 1.00 0.86 0.71 0.43 0.27

Baseline 95%

NAb ratio (associated efficacy)

0.2(76%)

1(95%)

0.8(94%)

0.4(87%)

0.2(76%)

1(70%)

0.8(65%)

0.4(49%)

0.2(34%)

1(70%)

0.8(65%)

0.4(49%)

0.2(34%)

NAb ratio (associated efficacy)

1.04

1.04

1.05

1.03

1.24

1.01

N3

1/2

1/3

NA

NB

Baseline 70%

1/2

Slow-decrease epidemic

1/3

| , | | | | | | | | | | | | | | | | |
|----------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|------|--|
| 0.8(94%) | 1.00 | 0.86 | 0.76 | 0.63 | 0.55 | 1.00 | 0.75 | 0.60 | 0.44 | 0.36 | 1.00 | 0.87 | 0.72 | 0.44 | 0.28 | |
| 0.4(87%) | 1.01 | 0.88 | 0.78 | 0.65 | 0.57 | 1.03 | 0.77 | 0.62 | 0.46 | 0.38 | 1.02 | 0.89 | 0.74 | 0.47 | 0.31 | |

1/2

Dose fraction

Slow-growth epidemic

1/3

NA

1.07

1.01

1.08

1.21

1.23

1.27

Fractional dose better

1.24

0/3

1/2

Dose fraction

1/3

NA

Full dose better

0.71

NA

1.04

1.12

1.29

1.01

1.04

1.08

1.06

1.27

1.47

1.12

1.35

n/3

1.26

1/2

1.12

1/3

NA

0.71

N3

1/2

Fast-growth epidemic

1/3

NA

Infections

Deaths

Infections

Deaths