

# Scenarios 10 February 2021

Question: regarding vaccination of under 60 yr olds, which is better from three options:

- a. from old to young
- b. from young to old
- c. first 18-30, then from old to young
- d. reference: no vaccination

Situation regarding epidemiology and control (in all simulations)

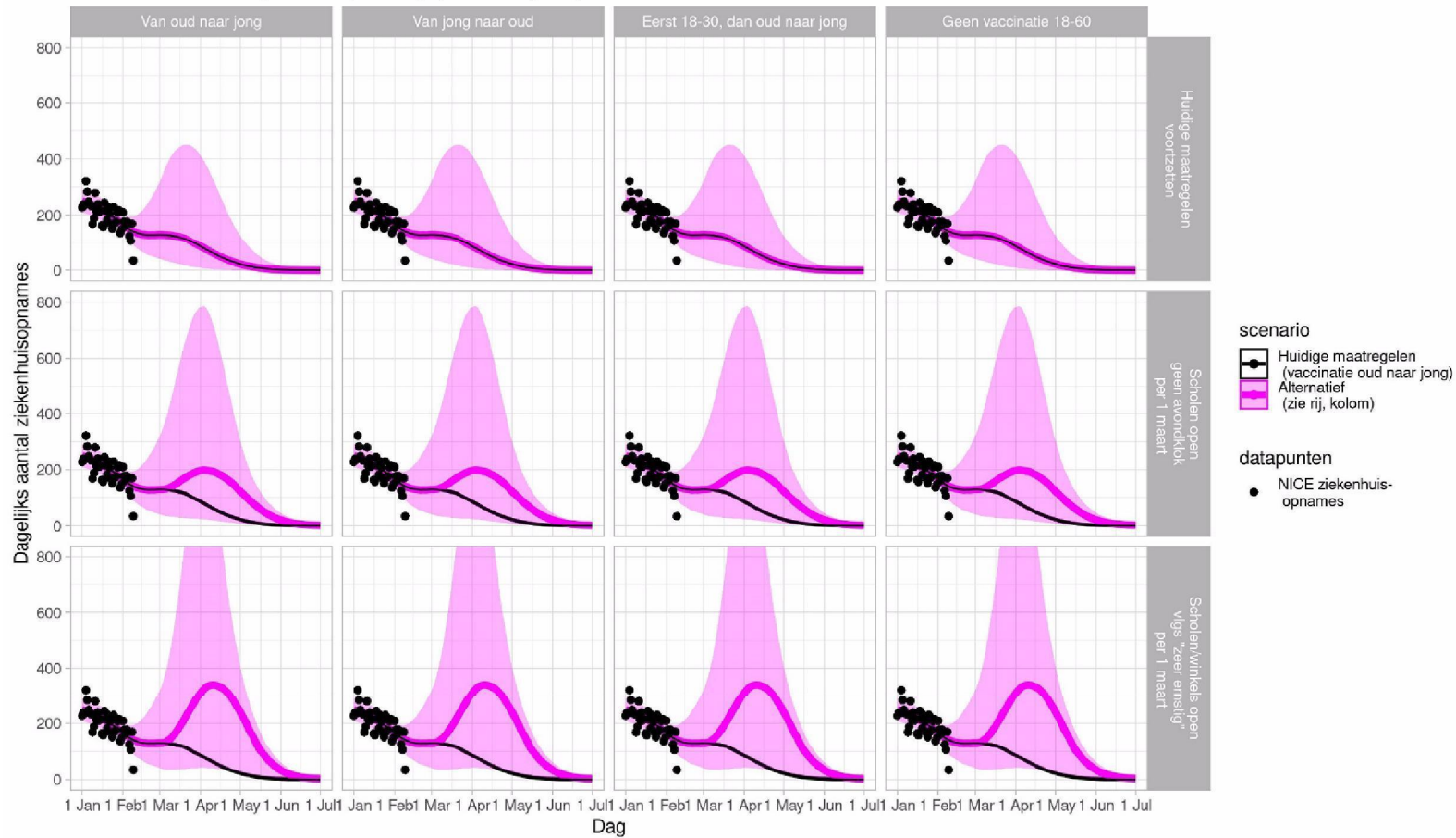
- Lockdown from 15 December onwards
- Stricter lockdown between 23 January and 28 February
  - primary schools open from 8 February
- After 1 March:
  - no change in control
  - all schools open, lift curfew and max 1 person
  - all schools, shops open (as in November 2020)
- Rise of VOC-202012/01 ("UK variant")
- Seasonal transmission pattern
- Rest of vaccination programme as planned

# Scenarios considered

- Rows: contact control
  - no change in control
  - all schools open, lift curfew and max 1 person
  - all schools, shops open (as in November 2020)
- Columns: vaccination of 18-60
  - from old to young
  - from young to old
  - first 18-30, then from old to young
  - reference: no vaccination of 18-60
- Black curves: no change in control, vaccination from old to young

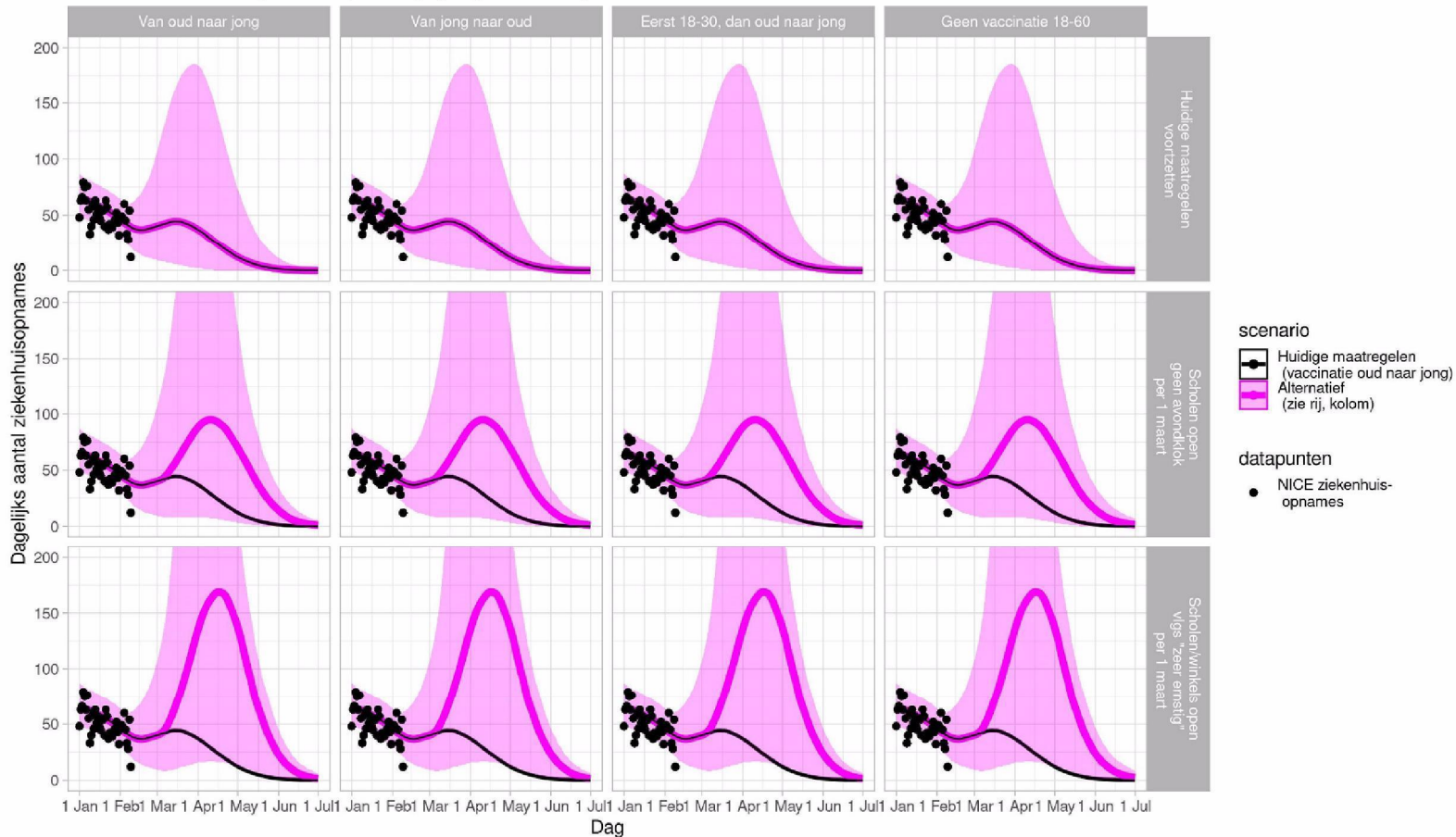
# Hospital admissions

Aantal ziekenhuisopnames per dag (alle leeftijden)



# Hospital admissions

Aantal ziekenhuisopnames per dag (jonger dan 60)



# Hospital admissions (May 1 – Aug 1)

## All age groups

Control measures after 1 March	Vaccinating 18-60 from old to young	Vaccinating 18-60 from young to old	Vaccinating 18-30, then 30-60	Not vaccinating 18-60
Current measures	314 (25 ; 1449)	314 (25 ; 1452)	314 (25 ; 1450)	316 (25 ; 1458)
Schools open, lift curfew/ 1 person	2274 (268 ; 3906)	2282 (269 ; 3919)	2278 (269 ; 3916)	2311 (274 ; 3962)
Schools/shops open	4109 (803 ; 5515)	4122 (802 ; 5532)	4114 (802 ; 5529)	4162 (832 ; 5565)

## 0-60 yr olds

Control measures after 1 March	Vaccinating 18-60 from old to young	Vaccinating 18-60 from young to old	Vaccinating 18-30, then 30-60	Not vaccinating 18-60
Current measures	189 (15 ; 867)	190 (15 ; 871)	189 (15 ; 869)	191 (15 ; 869)
Schools open, lift curfew/ 1 person	1416 (171 ; 2485)	1426 (172 ; 2485)	1423 (171 ; 2483)	1451 (176 ; 2521)
Schools/shops open	2495 (517 ; 3416)	2514 (518 ; 3434)	2506 (519 ; 3431)	2544 (542 ; 3468)