

Les questions fréquentes sur la vaccination contre le COVID

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13.10.2021



Vaccins Covid: FAQ

Le Delta qui a volé la vedette aux
variants pré-Delta

Effets secondaires graves des
vaccins Covid

Faut-il vacciner les adolescents?

Aura-t-on besoin de la 3^e dose?

Une sérologie pré-vaccinale pour
les hésitants et les garçons < 30
ans?





COVID-19 Dashboard by the Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU)

Last Updated at (M/D/YYYY)

10/10/2021, 08:21

Total Cases

237 587 445

Total Deaths

4 847 863

Total Vaccine Doses Administered

6 445 671 197

28-Day Cases

13 165 257

28-Day Deaths

221 872

28-Day Vaccine Doses Administered

747 243 337

Cases | Deaths by
Country/Region/Sovereignty

US

28-Day: 3 291 908 | 52 502

Totals: 44 317 553 | 712 974

United Kingdom

28-Day: 927 824 | 3 632

Totals: 8 158 935 | 138 101

Turkey

28-Day: 779 283 | 6 341

Totals: 7 416 152 | 65 984

India

28-Day: 698 388 | 7 720

Totals: 33 953 475 | 450 589

Russia

28-Day: 611 834 | 23 081

Totals: 7 631 034 | 211 627

Brazil

28-Day: 578 017 | 14 271

Totals: 21 567 181 | 600 829

Philippines



Esri, FAO, NOAA

Powered by Esri



28-Day

Totals

Incidence

Case-Fatality Ratio

Global Vaccinations

US Vaccinations

Terms of Use

Weekly

28-Day

SARS-CoV2 sera toujours avec nous...





ENDEMIC



EPIDEMIC



PANDEMIC



Juin 2021: Santé Publique: « On repart...»



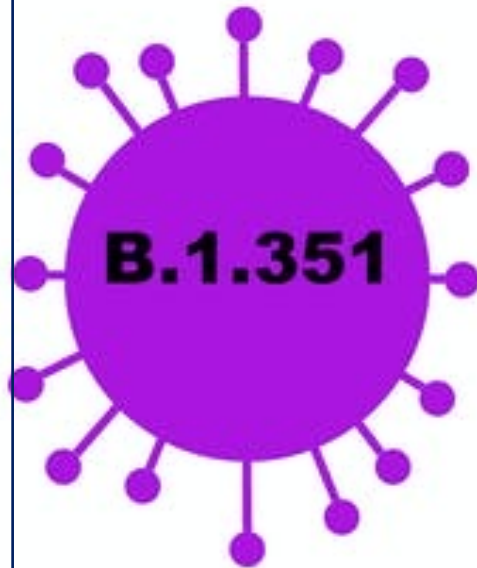
Alpha



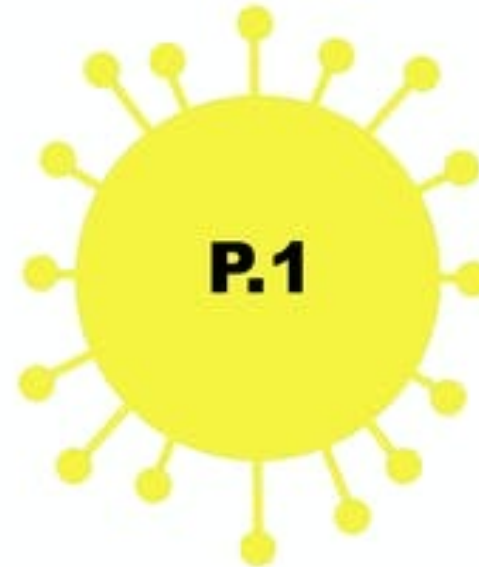
10 cycles of
transmissions:

10'000 infections

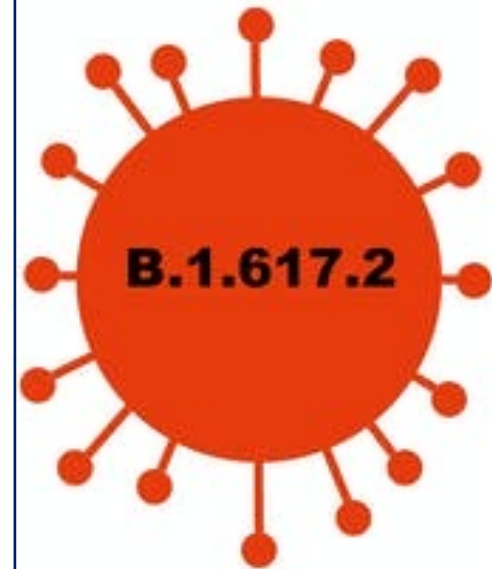
Beta



Gamma



Delta



10 cycles de
transmissions:

60'000'000
infections

mRNA and vectorial vaccines

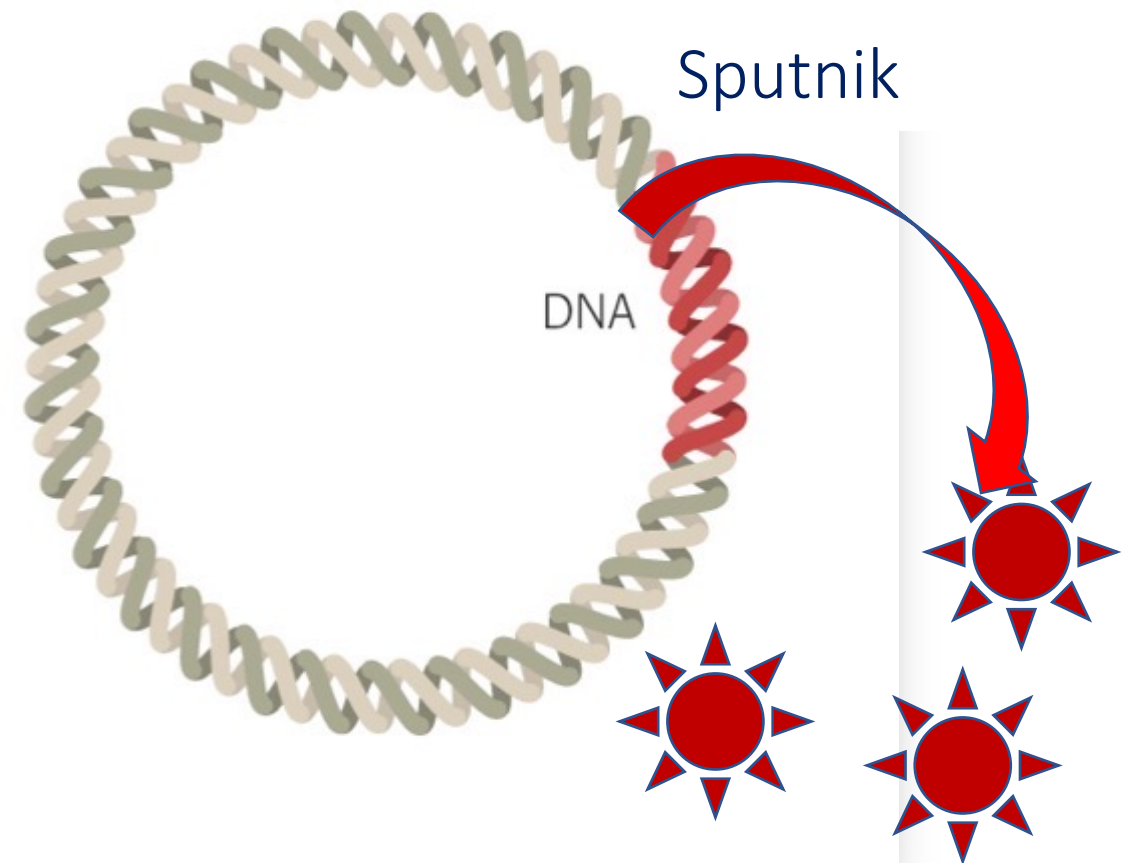
AstraZeneca

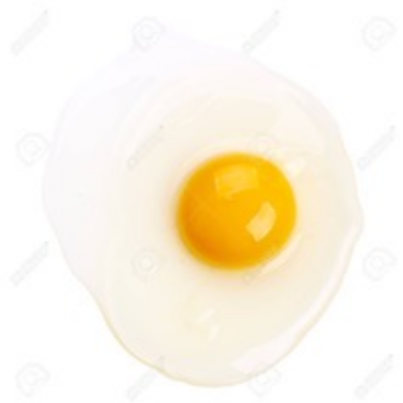
Janssen (J&J)

Sputnik

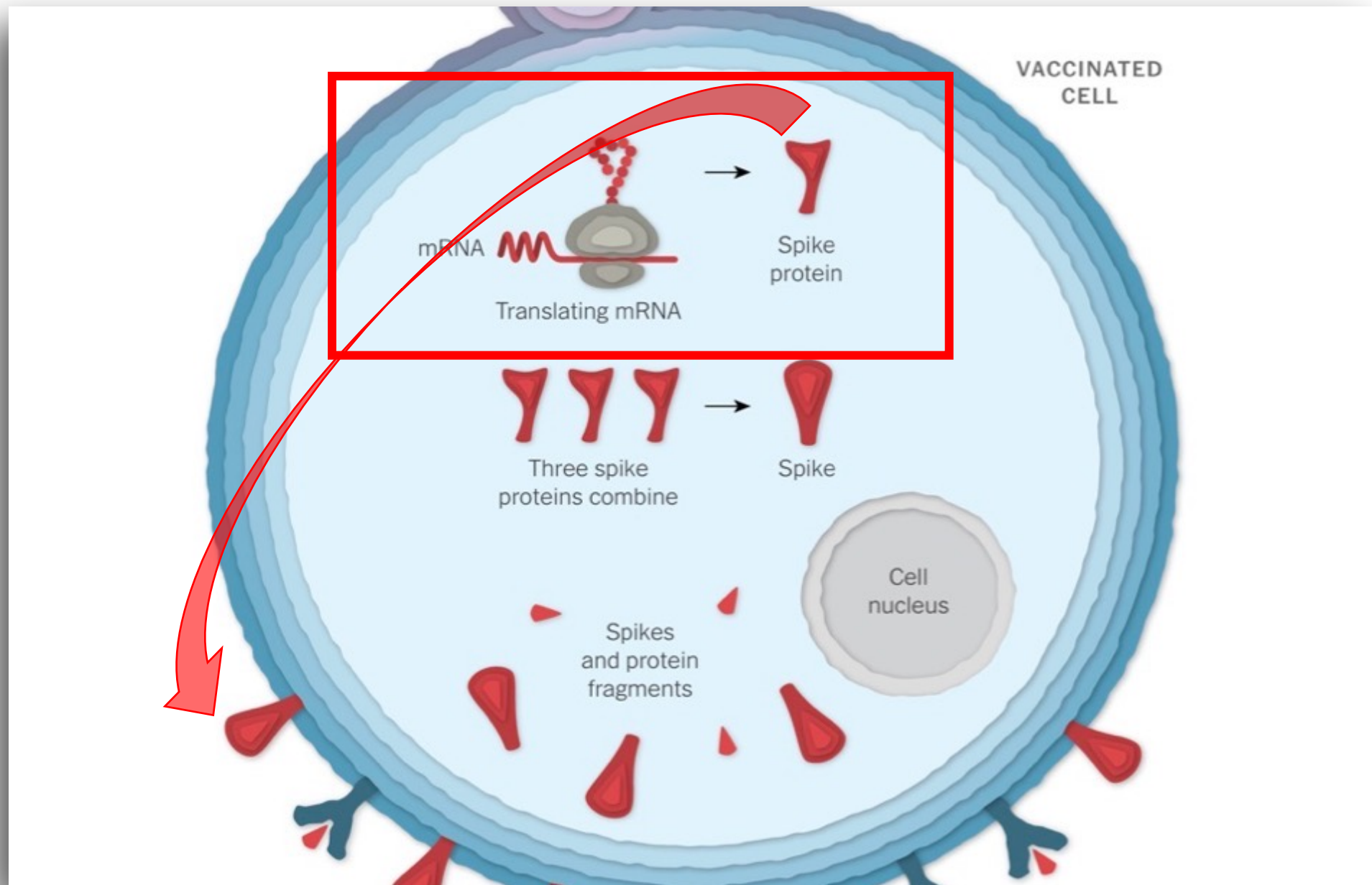
Moderna

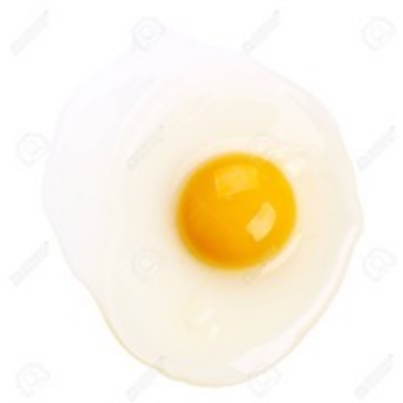
Pfizer/BioNTech



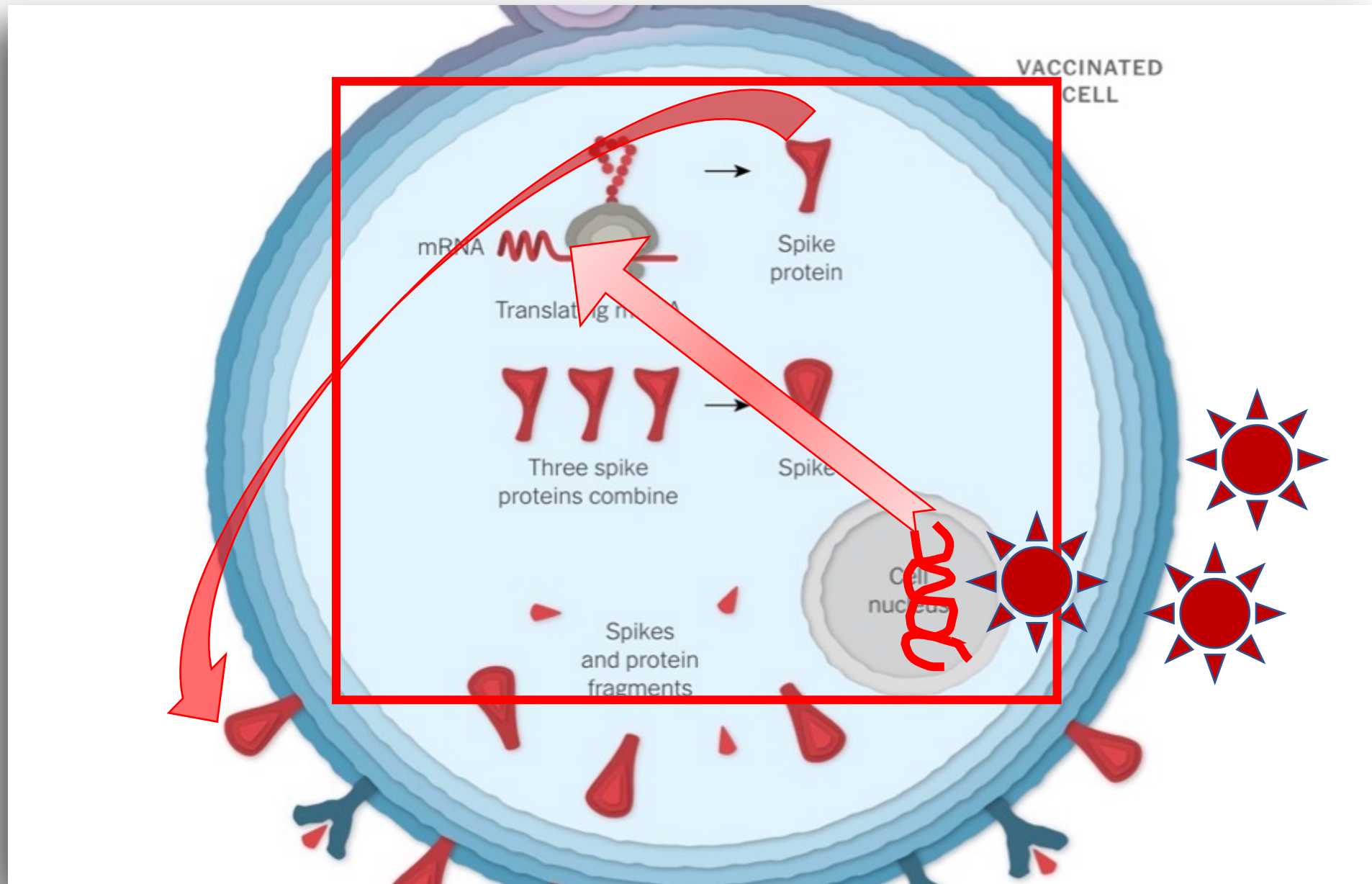


mRNA vaccines





Vectorial vaccines



Le Delta...est la pandémie des
séronégatifs / non vaccinés

14 pays ont vacciné > 80% de la population vulnérable, 9 sur 10 patient.e.s hospitalisés non vacciné.e.s...



Les effets secondaires graves du
vaccin contre le Covid

Les effets secondaires graves des vaccins Covid

mRNA vaccines

Anaphylaxis (1-2/ 1 Mio)

Myocarditis in young boys (< 30 y old) → 6/100'000

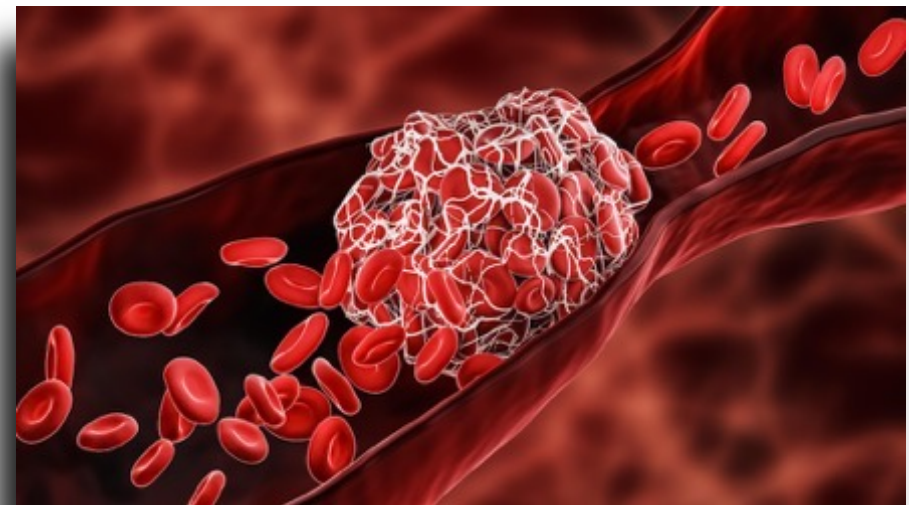
With Delta: 6 times more!



Vectorial vaccines

Thrombosis in young girls (< 30 y) → 8/100'000

With Delta: 6-8 times more!



Une sérologie pré-vaccinale pour les garçons de moins de 30 ans?

Myocardite vaccinale décrite sur > 2 millions (garçons de > 30 ans) lors de la 2^e dose!

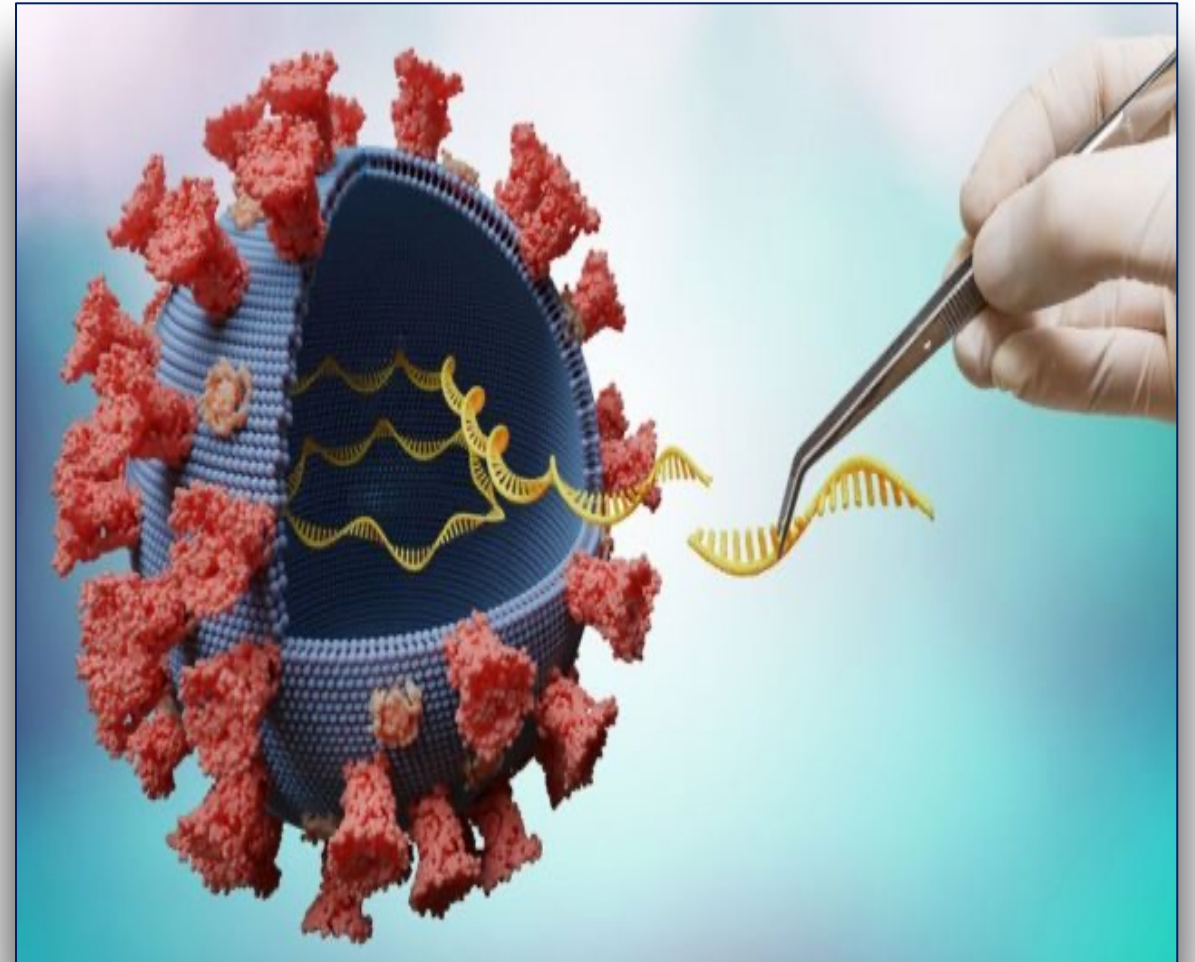


Diminution de l'efficacité des
vaccins Covid?

mRNA vaccines & Efficacy

Against pre-Delta variants:

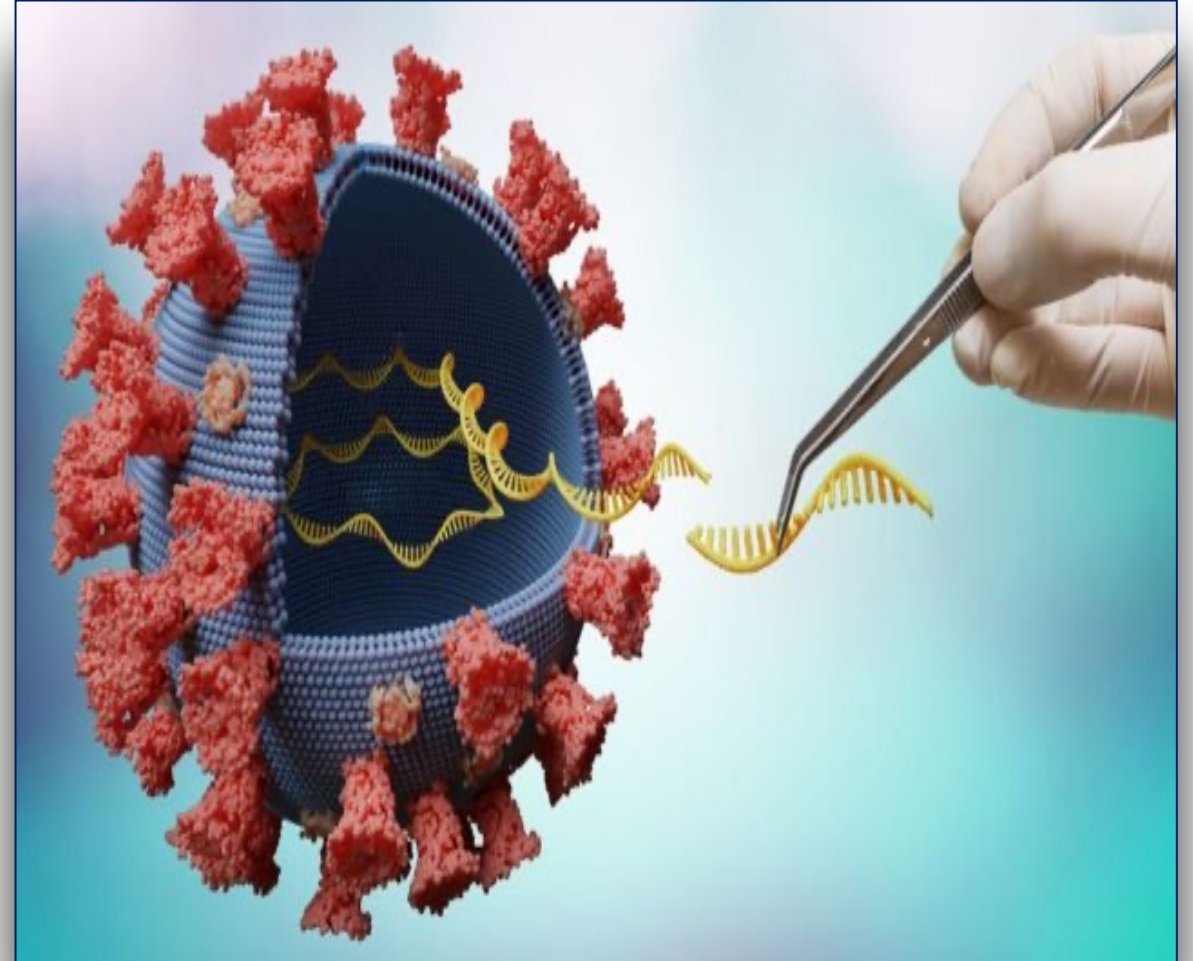
- Protection against infections: 95%
- Protection against complications: > 99%



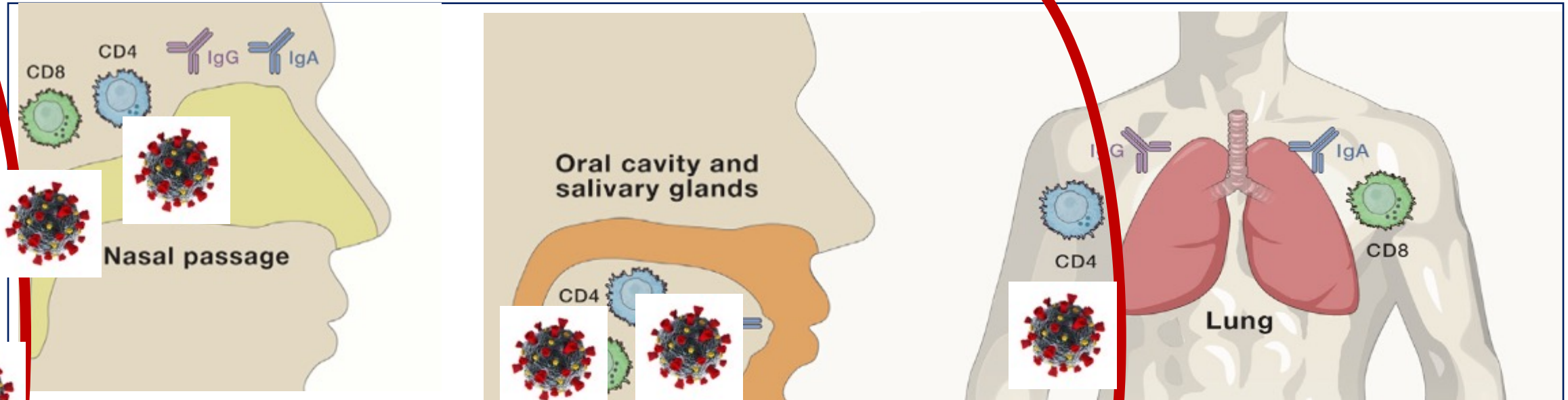
mRNA Vaccine & Efficacy

Against Delta variant:

- Protection against infection : 40-80%
- Protection against complications: 90%



« Anatomy » of SARS-CoV-2 immunity: Delta



Infection

Asymptomatic

R. nose

Flu-like S.

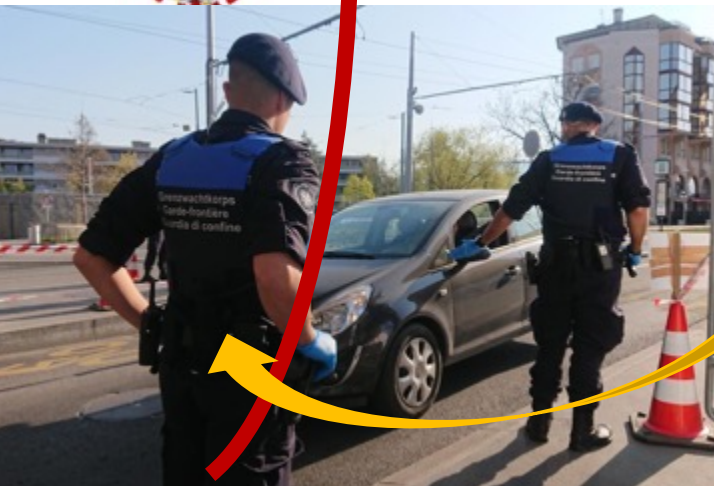
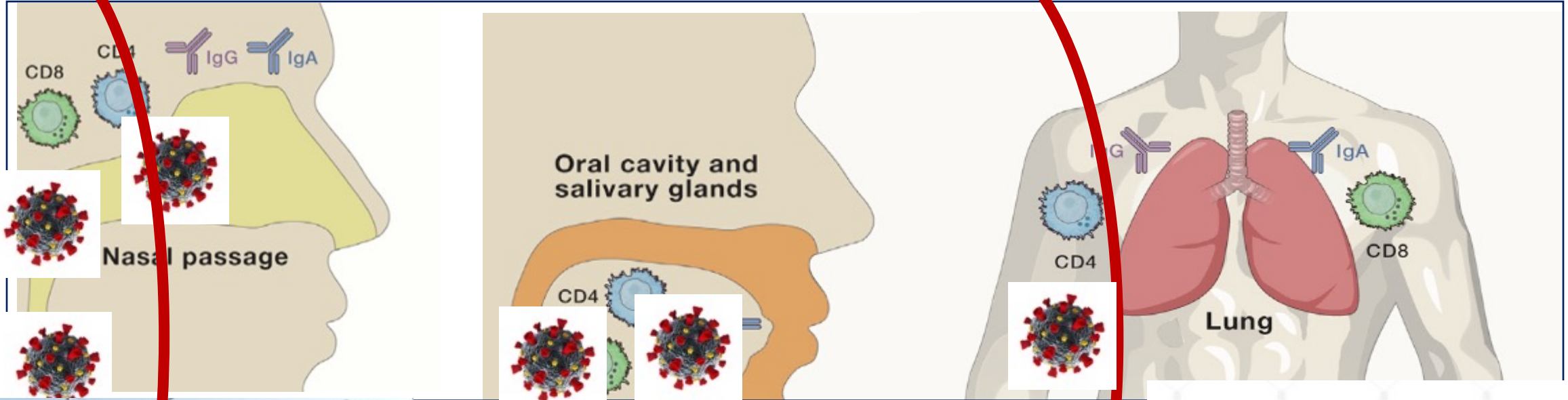
Hosp/IC

Death

Humoral Immunity

Humoral & cellular Immunity

« Anatomy » of SARS-CoV-2 immunity: Delta



mRNA vaccines:
↓ efficacy to infection

Vaccins mRNA:
90% efficacy against complications



Efficacy mRNA vaccine against infection Delta: 39%-88%

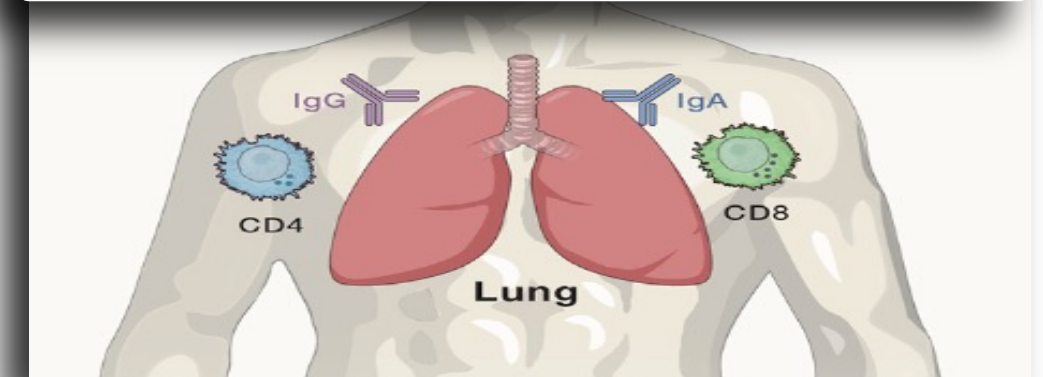
Efficacy mRNA vaccines against complications: 90%

Efficacy vectorial vaccines against complications: 70%

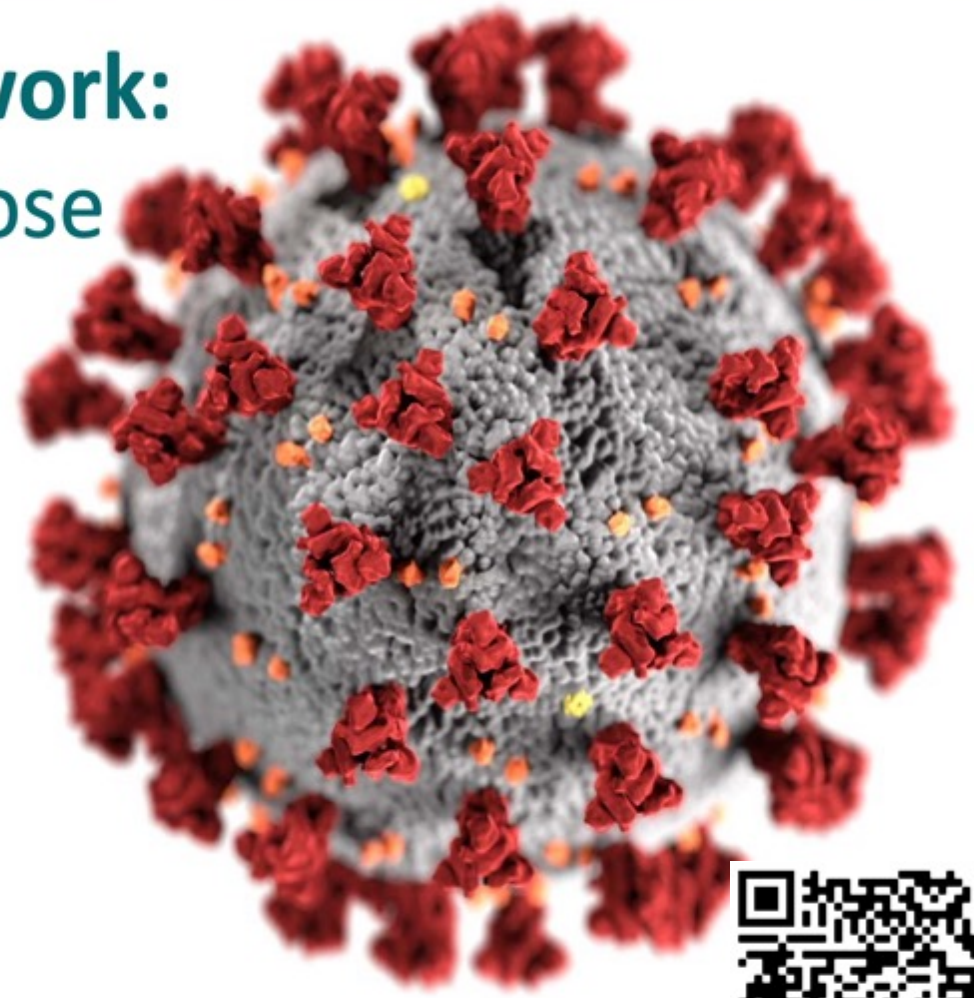
Efficacy against infection



Efficacy against complication



Evidence to Recommendation Framework: Pfizer-BioNTech COVID-19 Booster Dose



Sara Oliver, MD, MSPH
ACIP Meeting
September 23, 2021

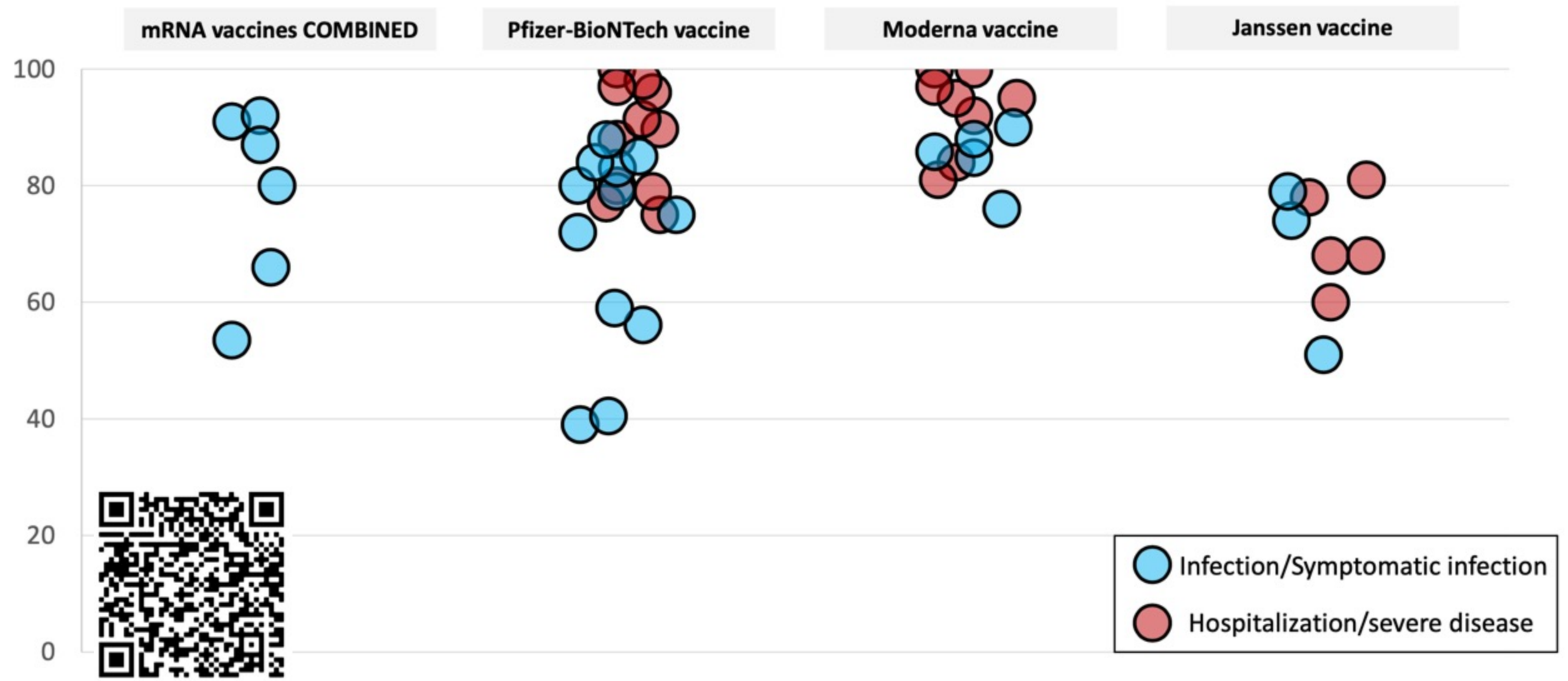


cdc.gov/coronavirus



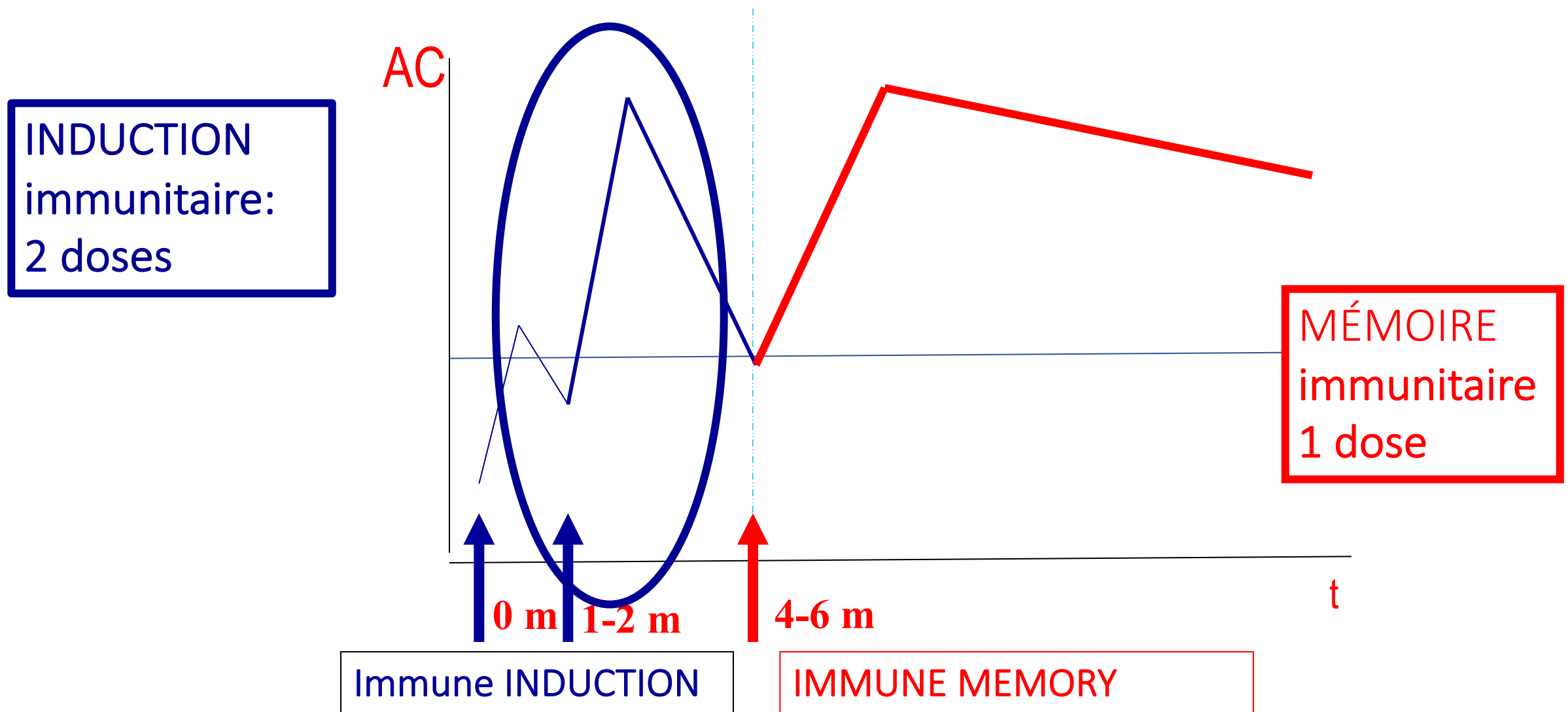
Summary of **VE estimates** since introduction of the Delta variant

Adults ≥ 18 years of age



Vaccination Covid: un
schéma à 3 doses « 2+1 »?

Vaccins Covid. Un schéma à « 2+1 » doses?



Evidence to Recommendations (EtR) Framework

Standard EtR Domains
Public Health Problem
Benefits and Harms
Values
Acceptability
Feasibility
Resource Use
Equity



Are booster doses needed?



What is the balance of benefits and harms for booster doses by age?



Do people want a booster dose?

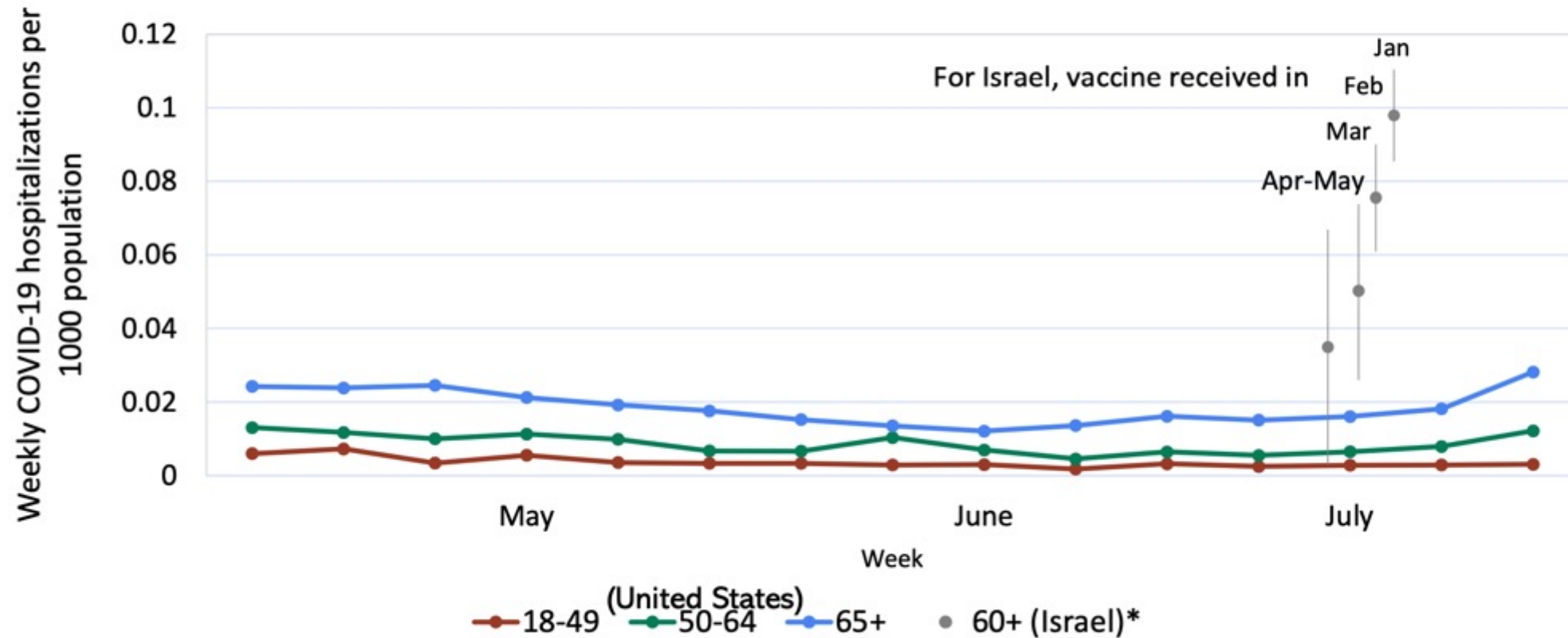


Booster doses of COVID-19 vaccines

- Policy on booster doses will be coordinated with **FDA** for regulatory allowance, and **ACIP** for recommendations for use



Incidence among vaccinated people, for hospitalization by month in United States and for severe disease by time since 2nd dose in Israel

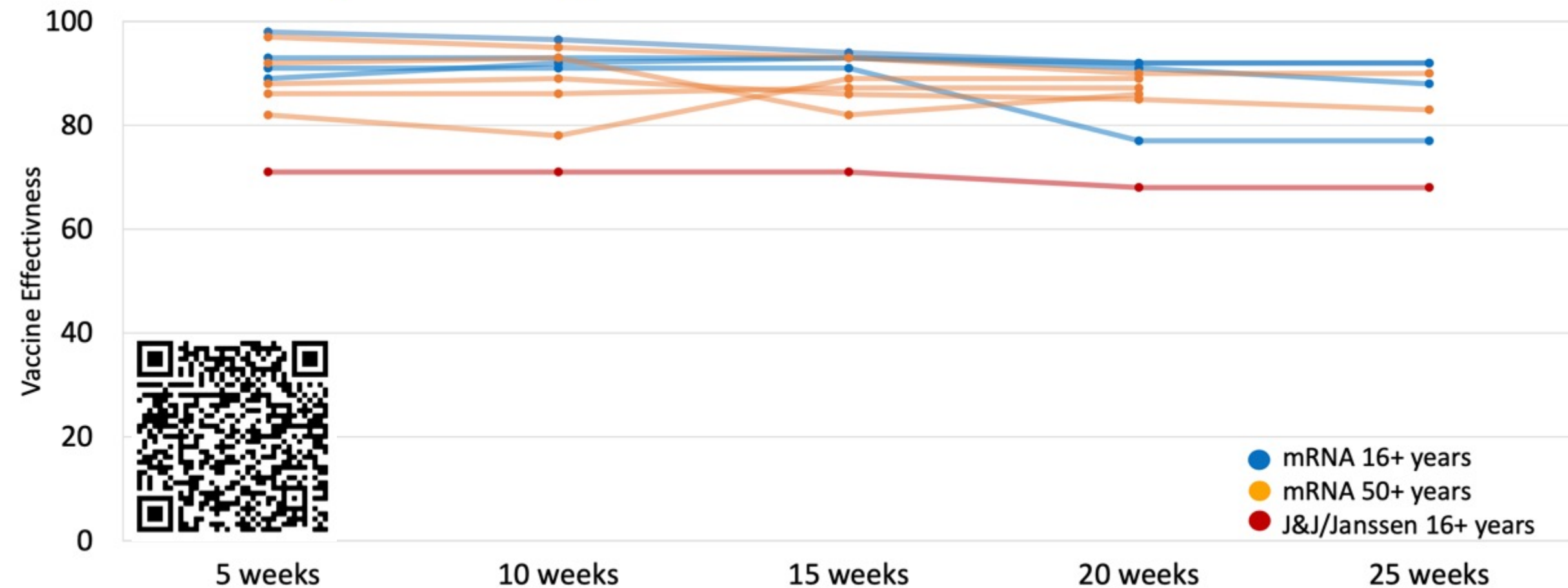


*Israel estimates were derived from rate of severe COVID-19 (per 1,000 persons) from July 11, 2021 to July 31, 2021. Each data point represents all person stratified by when second dose of COVID-19 vaccine received.

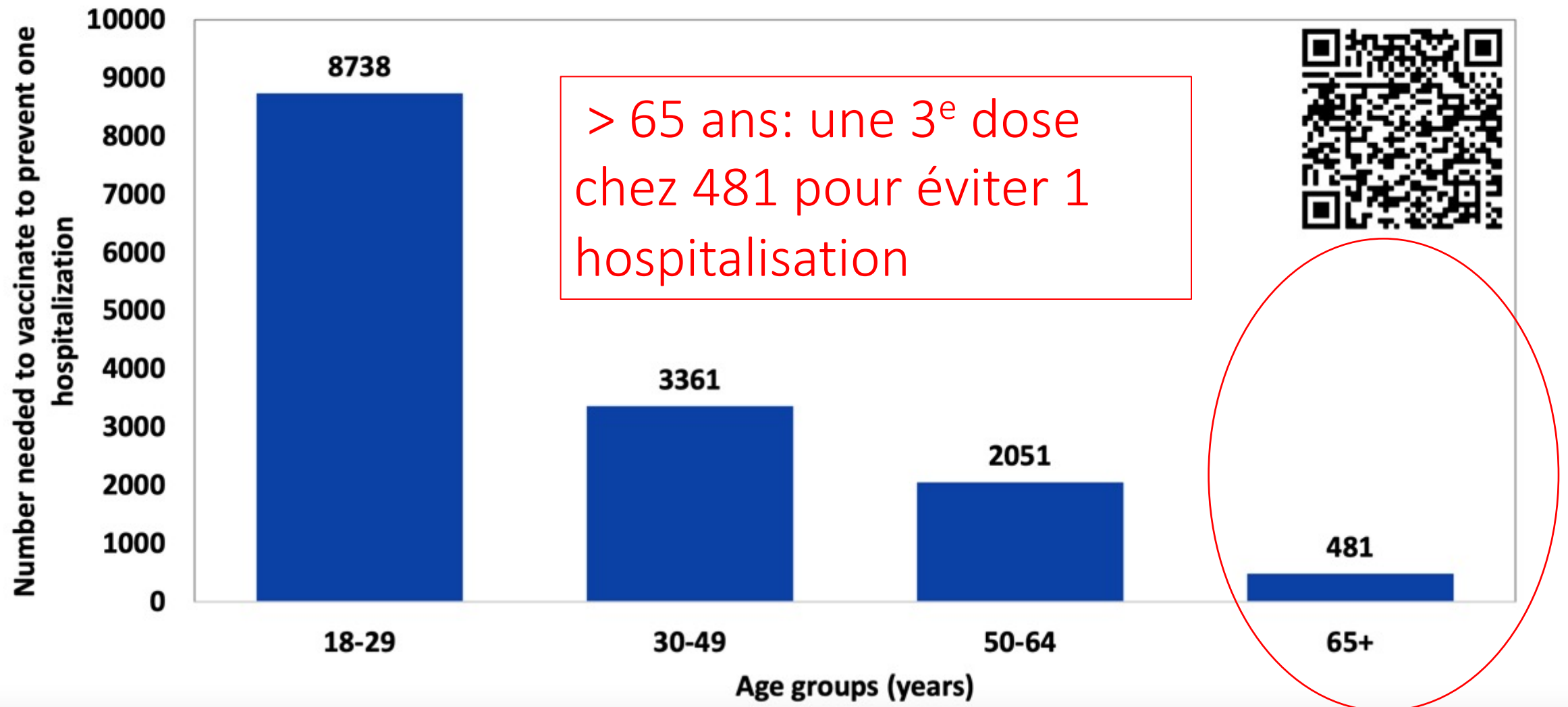


Vaccine effectiveness against hospitalization over time

Adults ≥ 16 years of age



Number needed to vaccinate with booster dose to prevent one hospitalization over 6 months



« Not having an equity vaccine plan is immoral and stupid »

Antonio Guterres, UN
secretary general



MERCI et belle fin de journée

