


# Moderna's Respiratory Vaccines: COVID + Flu vaccine (mRNA-1073)

Last program update: November 4, 2021

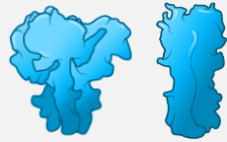
Modality	Program	ID #	Preclinical development	Phase 1	Phase 2	Phase 3	Commercial	Moderna rights
<b>Adults</b>    <b>Prophylactic vaccines</b>	COVID-19 vaccine	mRNA-1273						Worldwide
		mRNA-1273.351	Beta variant					Worldwide
		mRNA-1273.617	Delta variant					Worldwide
		mRNA-1273.211	Beta variant + wild-type					Worldwide
		mRNA-1273.213	Beta + Delta variant					Worldwide
		mRNA-1283	Next generation (2-5 °C)					Worldwide
	Flu vaccine	mRNA-1010	Phase 1/2	Phase 2/3 prep				Worldwide
		mRNA-1020						Worldwide
		mRNA-1030						Worldwide
	COVID + Flu vaccine	<b>mRNA-1073</b>	mRNA-1273 + mRNA-1010					Worldwide
<b>Adolescents &amp; Pediatrics</b>	Older adults RSV vaccine	mRNA-1345	Phase 2/3 prep					Worldwide
	COVID-19 vaccine (adolescents)	mRNA-1273	TeenCOVE					Worldwide
	COVID-19 vaccine (pediatrics)	mRNA-1273	KidCOVE					Worldwide
	Pediatric RSV vaccine	mRNA-1345	Phase 1b					Worldwide
	Pediatric hMPV + PIV3 vaccine	mRNA-1653						Worldwide
	Pediatric RSV + hMPV vaccine	mRNA-1365						Worldwide

# Announcing two new combination vaccines are progressing towards the clinic

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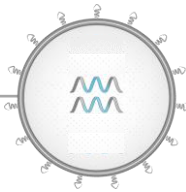
**COVID/Flu**

mRNA-1073



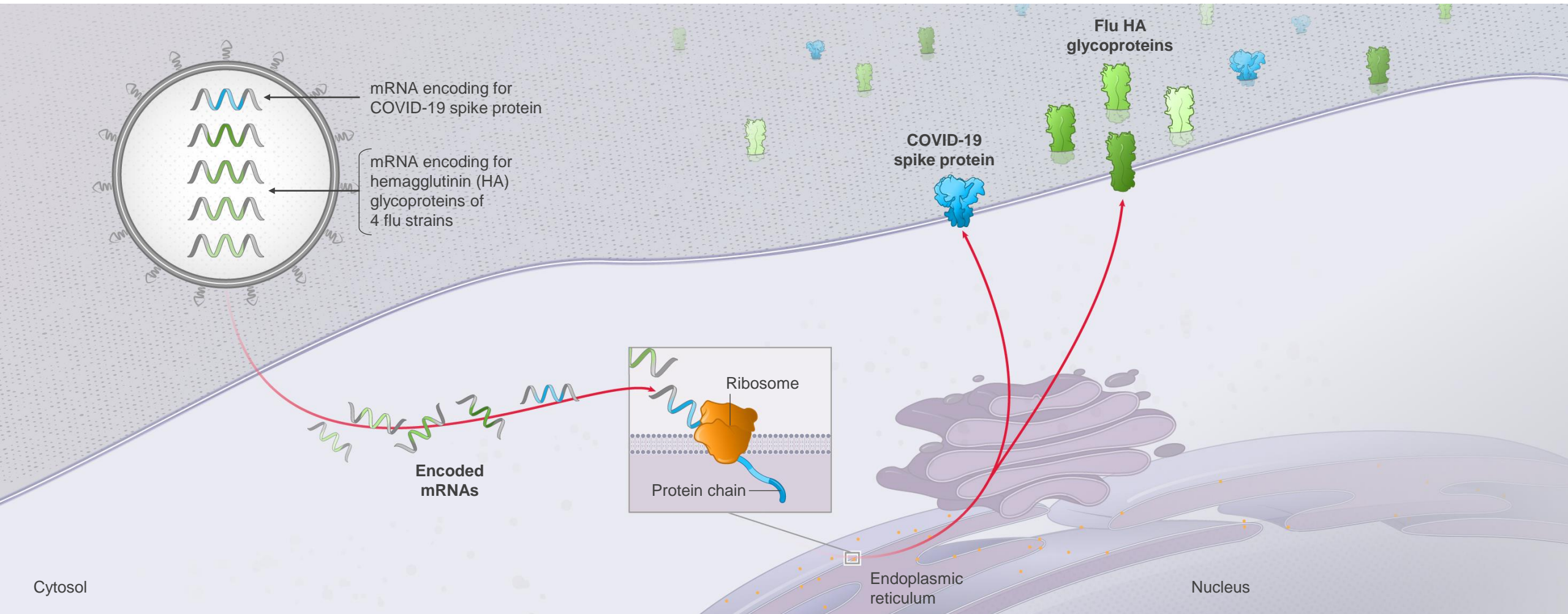
**RSV/hMPV**

mRNA-1365



Combination mRNA vaccines  
against acute respiratory  
infections

# mRNA-1073 encodes for the COVID-19 spike protein and Flu HA glycoproteins



# We are developing combination vaccines against the respiratory viruses with greatest public health impact

Developing vaccines against respiratory viruses with greatest public health impact



INFLUENZA



SARS-CoV-2



RSV



hMPV



PIV3



More viruses...

Combination vaccines may lead to:

- Higher compliance
- Better uptake
- Larger benefit to healthcare system

*Clinical trials ongoing*



hMPV/PIV3

*Preparing for clinical trials*

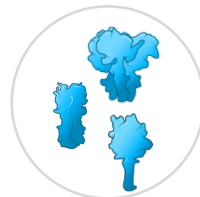


COVID/Flu

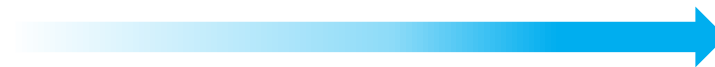


Pediatric RSV/hMPV

*In research*



COVID/Flu/RSV



More combinations...

# Forward-looking statements

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