

119 candidates

Stage of development

- Pre-clinical (110)
- Phase I (8)
- Phase II (1)
- Phase III (0)
- Licensed (0)

Vaccine type

- RNA (14)
- DNA (11)
- Non-replicating viral vector (12)
- Replicating viral vector (9)
- Inactivated (3)
- Live-attenuated (2)
- Protein subunit (36)
- Other/Unknown (32)

Colour code for vaccine type

- RNA
- DNA
- Non-replicating viral vector
- Replicating viral vector
- Inactivated
- Live-attenuated
- Protein subunit
- Other/Unknown

COVID-19 vaccine development pipeline

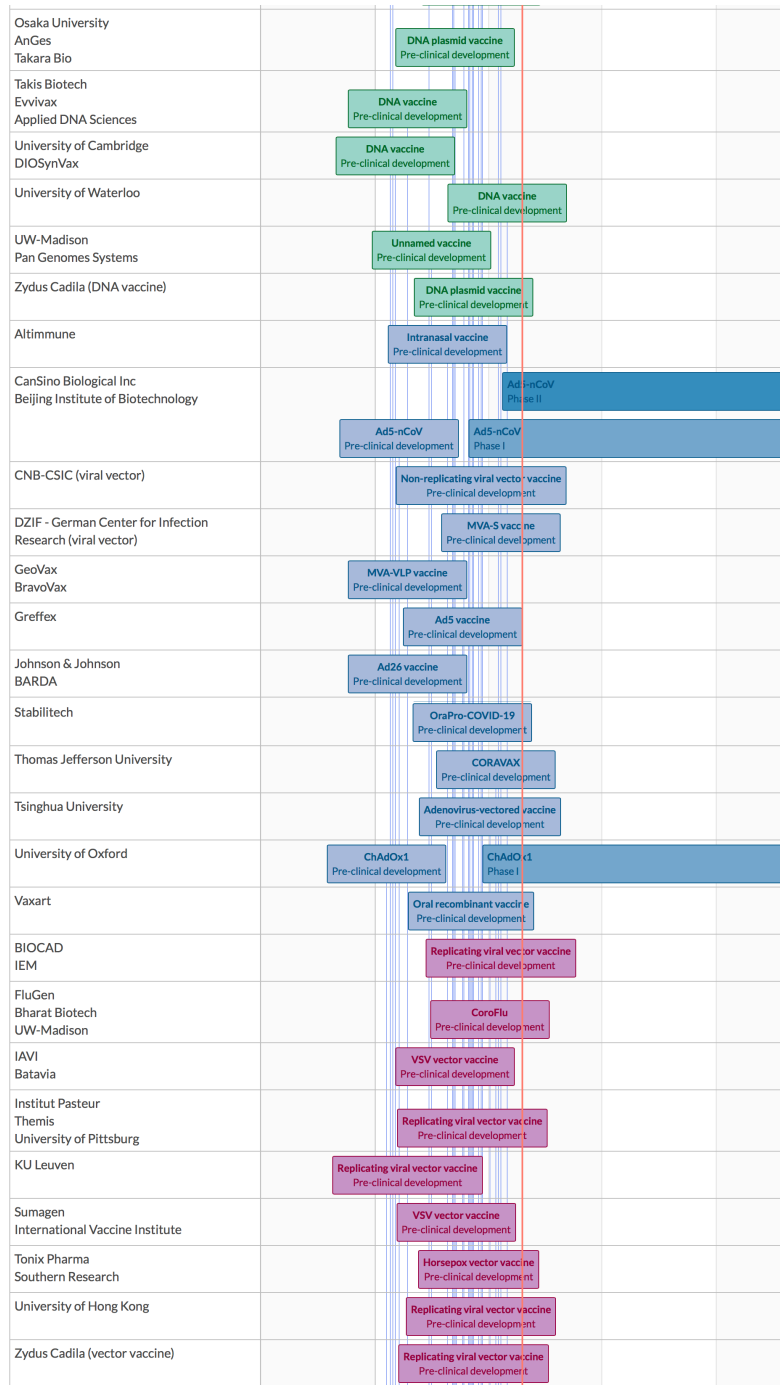
Last updated on 24 April 2020.

This tracker, developed by the Vaccine Centre at the London School of Hygiene & Tropical Medicine, will follow COVID-19 vaccine candidates as they progress through the development pipeline. We will update it weekly.

An overview of the different vaccine types as well as the phases of clinical development is provided in the Summary tab.

If you know of a vaccine candidate in active development that is not included, please contact vaccines@lshtm.ac.uk.





Beijing Institute of Biological Products Wuhan Institute of Biological Products		Inactivated vaccine Pre-clinical development
Osaka University BIKEN NIBIOHN (inactivated)		Inactivated vaccine Pre-clinical development
Sinovac		Inactivated vaccine Pre-clinical development
Codagenix Serum Institute of India		Inactivated vaccine Phase I
DZIF - German Center for Infection Research (live)		Live-attenuated vaccine Pre-clinical development
AdaptVac		Live-attenuated vaccine Pre-clinical development
AJ Vaccines		Capsid-like particle vaccine Pre-clinical development
Akers Biosciences Premas Biotech		Protein subunit vaccine Pre-clinical development
Axon Neuroscience		Peptide vaccine Pre-clinical development
Baylor College of Medicine		Protein subunit vaccine Pre-clinical development
Biological E Ltd		Protein subunit vaccine Pre-clinical development
Boston Children's Hospital		Protein subunit vaccine Pre-clinical development
British American Tobacco		Protein subunit vaccine Pre-clinical development
Clover Biopharmaceuticals Inc GSK Dynavax		COVID-19 S-Trimer Pre-clinical development
EpiVax University of Georgia		Protein subunit vaccine Pre-clinical development
ExpreS2ion Biotechnologies		Protein subunit vaccine Pre-clinical development
Flow Pharma Inc		Protein subunit vaccine Pre-clinical development
G+Flas Life Sciences		Plant-based vaccine Pre-clinical development
GC Pharma		Synthetic antigen vaccine Pre-clinical development
Generex EpiVax		II-Key peptide vaccine Pre-clinical development
Heat Biologics University Of Miami		gp96 vaccine Pre-clinical development
iBio CC-Pharming		Protein subunit vaccine Pre-clinical development
IMV Inc		DPX-COVID-19 Pre-clinical development
InnoMedica		TaliCoVax19 Pre-clinical development
Innovax Xiamen University GSK		COVID-19 XWG 03 Pre-clinical development
Liaoning Chengda Biotechnology Tsinghua University		Peptide vaccine Pre-clinical development
National Institute of Infectious Disease		Protein subunit vaccine Pre-clinical development

Novavax		Protein subunit vaccine Pre-clinical development		
OncoGen		Protein subunit vaccine Pre-clinical development		
Osaka University BIKEN NIBIOHN (subunit)		VLP-recombinant protein vaccine Pre-clinical development		
Sanofi Pasteur		Protein subunit vaccine Pre-clinical development		
Scientific Research Institute of Vaccines and Sera		Protein subunit vaccine Pre-clinical development		
Sichuan University Zhejiang Terulsi Pharmaceutical Others		Protein subunit vaccine Pre-clinical development		
SK Bioscience		Protein subunit vaccine Pre-clinical development		
University of Pittsburgh		PittCoVacc Pre-clinical development		
University of Queensland GSK Dynavax		Molecular clamp vaccine Pre-clinical development		
Vaxil Bio		Protein subunit vaccine Pre-clinical development		
Vaxine		Protein subunit vaccine Pre-clinical development		
Versatope Umass (subunit)		Protein subunit vaccine Pre-clinical development		
VIDO-InterVac, University of Saskatchewan		Adjuvanted microsphere peptide Pre-clinical development		
Walter Reed Army Institute of Research USAMRIID		Protein subunit vaccine Pre-clinical development		
BioNet Asia		Unnamed vaccine Pre-clinical development		
Boryung Biopharma		Unnamed vaccine Pre-clinical development		
Changchun Zhuoyi Biological		Unnamed vaccine Pre-clinical development		
Chongqing Zhifei Biological Products Chinese Academy of Sciences		Unnamed vaccine Pre-clinical development		
City of Hope		Unnamed vaccine Pre-clinical development		
Doherty Institute		Unnamed vaccine Pre-clinical development		
ERC Worldwide		ERC SARS-Cov-2 vaccine Pre-clinical development		
HaloVax Hoth Therapeutics		Self-assembling vaccine Pre-clinical development		
Hualan Biological Engineering		Unnamed vaccine Pre-clinical development		
ImmunoPrecise		Unnamed vaccine Pre-clinical development		
Imophoron Ltd Bristol University		ADDomer VLP vaccine Pre-clinical development		
Institute of Medical Biology, Chinese Academy of Medical Sciences		Unnamed vaccine Pre-clinical development		
Medicago Inc		Plant-derived VLP vaccine Pre-clinical development		
Medigen Vaccine Biologics Corp NIH		Unnamed vaccine Pre-clinical development		

