~5% of COVID-19 therapeutic candidates in clinical trials reached market

COVID-19 treatment pipeline

548 in preclinical development
   (396 inactive)

623 in active clinical development
   (43% repurposed)
   (107 discontinued)
   (138 inactive)

42 approved
   (39% repurposed)
   17* Approved in the U.S, U.K or E.U

7 WHO endorsed

U.S./U.K./E.U. Approved:
- Nirmatrelvir (Full approval)
- Remdesivir (Full approval)
- Baricitinib (Full approval)
- Tocilizumab (Full approval)
- Sarilumab (EUA)
- Anakinra (EUA)
- Dexamethasone (EUA)
- Hydrocortisone (EUA)
- LY-CoV555 mono-therapy (EUA)
- REGEN-COV (EUA)
- CT-P59 (EUA)
- Sotrovimab (EUA)
- Evusheld (EUA)
- LY-CoV1404 (EUA)
- LY-CoV555 + LY-CoV016 combination (EUA)
- Molnupiravir (EUA)
- Ifx-1 (Vilibelimab) (EUA)

*Hydroxychloroquine and convalescent plasma approvals excluded.

Repurposed = candidate is approved for an alternate disease indication.
Does not include phase IV clinical trials.

Approvals include candidates that have since been discontinued or revoked.

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72 COVID-19 vaccines have been approved; ~1 in 5 vaccines in clinical trials reached market

COVID-19 vaccines pipeline

449
in active preclinical development*

(339 inactive, rejected or discontinued)

161
in active clinical development**

(123 inactive, rejected or discontinued)

72 approved
(3 inactive, rejected or discontinued)

(23/72 variant updated)

16 approved in the U.S, U.K, E.U.

16
WHO endorsed

mRNA-1273 (Moderna)
BNT162b2 (Pfizer/BioNTech)
BA.1 bivalent vaccine (Pfizer/BioNTech)
BA.4/.5 bivalent vaccine (Pfizer/BioNTech)
XBB.1.5 vaccine (Pfizer/BioNTech)
AZD1222 (AstraZeneca)
Ad26COV2S1 (J&J)
NVX-CoV2373 (Novavax)
NVX-CoV2601 (Novavax)
Beta vaccine (Sanofi/GSK)
VLA2001 (Valneva/Dynavax)
GBP510 (SK Bioscience)
PHH-1V (HIPRA Scientific)

U.S./U.K./E.U. Approved:
mRNA-1273 (Moderna)
mRNA-1273.214 (Moderna)
mRNA-1273.222 (Moderna)
mRNA-1273.815 (Moderna)
BNT162b2 (Pfizer/BioNTech)
BA.1 bivalent vaccine (Pfizer/BioNTech)
BA.4/.5 bivalent vaccine (Pfizer/BioNTech)
XBB.1.5 vaccine (Pfizer/BioNTech)

Pink = Variant updated

*Excludes inactive candidates

**Does not include phase IV clinical trials

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