

Supplementary Material 1: Top 100 News Outlets with the Largest Reach

abc.net.au
abcnews.go.com
aol.com
apnews.com
bbc.com
bloomberg.com
businessinsider.com
cbc.ca
cbsnews.com
channelnewsasia.com
chron.com
cnbc.com
cnet.com
cnn.com
ctvnews.ca
dailymail.co.uk
digitaltrends.com
economictimes.indiatimes.com
eluniversal.com.mx
espn.com
express.co.uk
finance.yahoo.com
fool.com
forbes.com
foxbusiness.com
foxnews.com
ft.com
globalnews.ca
hindustantimes.com
houstonchronicle.com
huffpost.com
independent.co.uk
indianexpress.com
indiatimes.com
indiatoday.in
insider.com
investing.com
investopedia.com
itv.com
jagranjosh.com
jpost.com
latimes.com
m.dailyhunt.in

m.economictimes.com
marketwatch.com
mashable.com
medicalnewstoday.com
medium.com
metro.co.uk
mirror.co.uk
msn.com
nationalinterest.org
nbcnews.com
ndtv.com
news.abs-cbn.com
news.yahoo.com
news18.com
newsbreak.com
newsweek.com
newyorker.com
npr.org
nypost.com
nytimes.com
nzherald.co.nz
pbs.org
politico.com
republicworld.com
reuters.com
rt.com
scmp.com
sfgate.com
slate.com
smh.com.au
sports.yahoo.com
sputniknews.com
standard.co.uk
straitstimes.com
stuff.co.nz
techradar.com
telegraph.co.uk
theatlantic.com
theguardian.com
thehill.com
thehindu.com
thesun.co.uk
theverge.com
time.com

timesnownews.com
timesofindia.indiatimes.com
timesofisrael.com
ucnews.in
usatoday.com
usnews.com
vice.com
washingtonpost.com
westernjournal.com
wsj.com
yahoo.com

Supplementary Material 2: Study Boolean Search String

((("COVID-19" OR coronavirus OR COVID OR "sars-cov-2" OR "Severe acute respiratory syndrome coronavirus" OR "betacoronavirus") AND (vaccine OR vaccines OR vaccinations OR vaccination OR vaccinated OR vaccinates OR vaccinate OR immunization OR immunisation OR immunized)) AND ("democrat hoax" OR "democratic hoax" OR "democratic party hoax" OR "vaccine win" OR "vaccine after the election" OR "withheld vaccine" OR "magically vanish" OR "magically disappear" OR "developed too quickly" OR "developed too fast" OR "developed too soon" OR "potential error" OR "potential errors" OR "cut corners" OR "corner cutting" OR "corners cut" OR "skipped steps" OR "political pressure" OR "rushed vaccine" OR "bell's palsy" OR "bells palsy" OR "facial paralysis" OR "fainting" OR "syncope" OR "dangerous side effect" OR "dangerous side effects" OR "infertility" OR "fertility" OR "5G" OR "VAERS" OR "VEARS" OR "dangerous chemical" OR "dangerous chemicals" OR "harmful ingredients" OR "contains harmful" OR "poison vaccine"~5 OR "poisonous vaccine"~5 OR "toxic vaccine" OR "thimerosal" OR "polyethylene glycol" OR PEG OR "nanoparticles" OR "aluminum" OR "preservative" OR "formaldehyde" OR "untested vaccine" OR "vaccine not tested" OR "has not been tested" OR "few tests vaccine"~5 OR "lack of testing vaccine"~5 OR "no testing" OR "skipped steps" OR "skipped step" OR "lack of safety" OR "lack of data" OR "sacrifice safety" OR "sacrificed safety" OR "industry sponsored" OR "mark of the beast" OR "satanic" OR "666" OR "satanism" OR "satan" OR "anti-christ" OR "antichrist" OR "vaccine give COVID"~3 OR "vaccine give coronavirus"~3 OR "vaccine transmits coronavirus" OR "vaccine transmits covid" OR "vaccine induced"~3 OR "vaccine-induced" OR "microchip" OR "microchipping" OR "microchips" OR "microchipped" OR "tracking chip" OR "tracking chips" OR "contains chip" OR "injected chip" OR "inject chip"~5 OR "injected chips" OR "injected tracking" OR "inject tracking" OR "inject tracker" OR "injected tracker" OR "contains tracker" OR "doctors paid extra" OR "doctor kickback"~5 OR "doctors kickback"~5 OR "doctors kickback"~5 OR "doctors kickbacks"~5 OR "doctors push vaccines" OR "doctors profit"~3 OR "paid per vaccine" OR "conflict of interest" OR "shills" OR "shill" OR "paid by pharma" OR "depopulation" OR "population control" OR "eugenics" OR "regulate fertility" OR "regulates fertility" OR "control fertility" OR "controls fertility" OR "population management" OR "depopulation vac" OR "depopulate" OR "gates agenda" OR ("vaccines kill people" OR "vaccine deaths"~2 OR "vaccine death"~2 OR "allergic reaction death"~3 NOT "death toll") OR "fetal vaccine" OR "fetus vaccine"~5 OR "fetuses vaccine" OR "abortion vaccine"~5 OR "aborted vaccine"~5 OR "fetal cells" OR "HEK293" OR "HEK-239" OR "HEK 239" OR "kidney cells" OR "embryonic kidney" OR "fetal cell line" OR "Epstein-Barr" OR "better than vaccinating" OR "better than the vaccine" OR "instead of vaccine" OR "instead of vaccinating" OR "miracle cure" OR "alternative cure" OR "other cure" OR "better than vaccinations" OR "Tuskegee" OR "human experiment" OR "human experimentation" OR "unethical test" OR "unethical testing" OR "medical experiment" OR "medical experiments" OR "medical experimentation" OR "alter DNA" OR "alters DNA" OR "Change DNA" OR "changes DNA" OR "vaccine inhuman"~5 OR "not human" OR "DNA-altering" OR "autism vaccine"~5 OR "autistic vaccine"~5 OR "autism vaccinate"~5 OR "autistic vaccinate" OR "autism vaccination" OR "autistic vaccination" OR "cause autism" OR "causes autism" OR "transmits autism" OR "gives autism" OR "99.9982%" OR "naturally acquired immunity" OR "200 reinfections" OR "natural immunity better" OR "natural immunity preferable"))

Supplementary Material 3: Definitions of misinformation categories and example articles

Misinformation Category	Definition	Example Articles	Primary Theme Subtheme
Fact-Checking	Article provides fact-checking information to counter COVID-19 vaccine misinformation	Wave of new COVID-19 cases crashes across U.S. and Europe as winter looms	Development Not Tested Properly
		Chief Scientist of Quebec: We trust science to help us tackle COVID-19	Safety General
		AP FACT CHECK: Trump distorts military role in vaccines	Development General
Refers to Misinformation	Article makes passing mention of COVID-19 vaccine misinformation without explicitly fact checking; articles about the "infodemic" without fact checking fall into this category	YouTube Suspends, Demonetizes Donald Trump's Favorite TV News Network Over COVID-19 Misinformation	Alternatives Miracle Cures
		Coronavirus: Social media firms 'only taking down 2%' of posts containing anti-vaccine misinformation, report finds	Conspiracy Theories General
		Twitter Faces a Trumpless Future	Alternatives Miracle Cures
Primary Misinformation	Article supports misinformation regarding the COVID-19 vaccine(s)	Trump expects Covid-19 vaccines will be available for 'every American' by April 2021	Political & Financial General
		YouTube removes lockdown-sceptical interview with renowned immunologist Dr Mike Yeadon for 'violating terms of service'	Alternatives Natural Immunity
		The Perils of Vaccine Messianism	Development Developed Too Quickly