

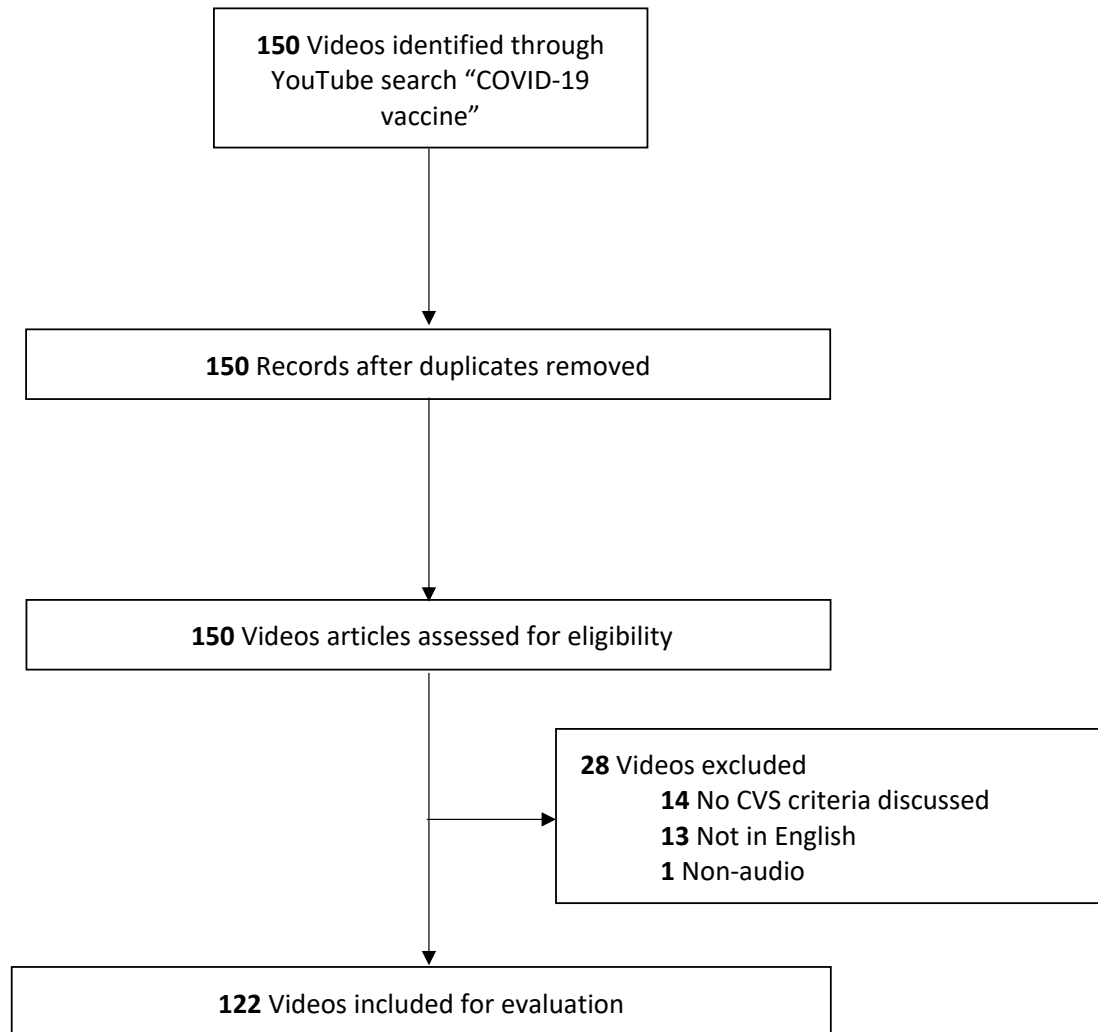
Figure S1. PRISMA flow diagram of YouTube video selection process.

Table S1: Modified DISCERN (mDISCERN) criteria.

1. Are the aims clear and achieved?
2. Are reliable sources of information used? (i.e., publication cited, speaker is an epidemiologist or medical professional)
3. Is the information presented balanced and unbiased?
4. Are additional sources of information listed for patient reference?
5. Are areas of uncertainty mentioned?

Adapted from Singh et al. [14]

Table S2: Modified Journal of the American Medical Association Score (mJAMA).

Authorship	Authors and contributors, their affiliations, and relevant credentials should be provided
Attribution	References and sources for all content should be listed clearly, and all relevant copyright information should be noted
Disclosure	“Ownership” should be prominently and fully disclosed, as should any sponsorship, advertising, underwriting, commercial funding arrangements or support, or potential conflicts of interest
Currency	Dates when content was posted and updated should be indicated

Adapted from Radonjic et al. [15]

Table S3: Novel five-point COVID-19 Vaccine Score (CVS).

1. Substantiated by reference standards COVID-19 is a serious disease
2. COVID-19 vaccine is generally safe
3. COVID-19 vaccine Can cause adverse events
4. COVID-19 vaccination is effective against COVID-19
5. Not vaccinating puts others at risk

Table S4: Video publishing category descriptions.

Video Source Category	Description
Consumer	Individual or group of individuals with no professional credentials or established organizational affiliation.
Health Professional	Individual or group of individuals with professional credentials or established organizational affiliations such as a non-profit or health organization.
Entertainment News	Clips uploaded from shows on network television that reported on the news but were largely entertainment based.
Network News	Clips from a broadcast television network.
Internet News	Clips created specifically from an Internet based site.
Government	Uploaded by a government agency or organisation.
Newspaper	Created by a traditional newspaper outlet.
Education	Created by educational organisations that do not have an established organisational affiliation for the purpose of educating students (e.g. Osmosis videos, Khan academy).

Adapted from Basch et al. [10]