Early Detection of Misleading Claims

Key Words Filtering
(e.g., COVID-19)

Raw Tweets

Ivermectin now being used to treat COVID-19 and said you cure it in 48 hours.

Great news ... Australia is always ahead in research ...Anti-parasitic drug Ivermectin kills COVID 19.

Doc, you must try umhlonyane it has used to cure flu for many years... sweat

Well folks... Mouthwash could prevent COVID-19 transmission, scientists say

...

What is the mentioned COVID-19 cure?

T5
Extract Claims

Trending Claims
(Ranking via Fisher's Exact Test)

Ivermectin

Umhlonyane

Mouthwash

...

Remdesivir

Expert Validation

NOT APPROVED

NOT APPROVED

NOT APPROVED

APPROVED

Policy Violation Verification

What is the stance of the tweet (s_j) author towards the mentioned COVID-19 cure (c_i) ?

(s_j, c_i) $\xrightarrow{\text{Classifier}}$

Supporting
Refuting
No Stance

Moderator Validation of Policy Violation Tweets:
124 tweets per hour

<c> Ivermectin </c> now being used to treat COVID-19 and said you cure it in 48 hours. → Supporting ⚠️

Hold your horses, y'all. **<c> Ivermectin </c>** may be trending, but it still isn't approved to treat COVID-19. → Refuting ✅

Doc, you must try **<c> umhlonyane </c>** it has used to cure flu for many years... → Supporting ⚠️

Well folks... **<c> Mouthwash </c>** could prevent COVID-19 → Supporting ⚠️

+5 days ahead (δ)　　　　**+4 days**　　　　**+4 days**

...ding Treatment　　News Headline　　Trending Treatment　　News Headline　　Trending Treatment　　News Headlin...

Ivermectin　　　　　　　　Umhlonyane　　　　　　　　Mouthwash

...ctin now being
...o treat COVID-19
...d you cure it in 48
🐦

FDA Letter to
Stakeholders: Do
Not Use Ivermectin
Intended for
Animals as
Treatment for
COVID-19 in
Humans (FDA)

If covid 19 is a flue then
umhlonyane is the best
medicine, I grew up using
umhlonyane whenever I have a
flue it is the best cure for
flue
🐦

Umhlonyane
herb no cure for
COVID-19
(Business Day)

Scientists around the
world are joining me in
a call for evaluation of
an antiseptic
mouthwash that is
available NOW.
Mouthwash could
prevent COVID-19
transmission…
🐦

Coronavirus Myt...
Busted: Using a
mouthwash won'...
the virus or preve...
COVID-19 (First ...
Post)

...ews ... Australia is
...ahead in research
...VID 19 cure ...
...virus:Anti-parasitic
...ermectin kills
...19.
🐦

Doc, you must try **umhlonyane**
it has been used to cure flu for
many years. Insert in the nostrils
to clear lungs … sweat the
corona away.
🐦

• • •

• • •

• • •

...lled **Ivermectin**
...treat hiv, zika
...can kill corona in

The Coronavirus is real. Let's
take good care of ourselves.
Umhlonyane (African

Well folks... there goes
all the **#mouthwash**.
Mouthwash could
prevent COVID-19