How the Covid-19 Vaccine is Being Discussed on Twitter

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INTRODUCTION

• About 30% of Americans today do not plan on receiving a Covid-19 vaccine
• Over 70% of adult Twitter users report getting their news and information from Twitter

Unknowns:
• Content of discussions about Covid-19 vaccine on Twitter
• Professional background of people discussing the Covid-19 vaccine
• Where on Twitter pro or anti-Covid-19 vaccine discussions are taking place

Study Purpose: to explore the professional background of people discussing the Covid-19 vaccine

MAJOR FINDINGS

Findings suggest:
• Most Twitter users express positive positions toward the Covid-19 vaccine, but many also express negative positions towards the Covid-19 vaccine.
• It is common for Twitter users to share 1 or more concern on the Covid-19 vaccine, especially conspiracy theory concerns.
• Twitter users with different professional backgrounds and Covid-related views tend to use separate hash tags and may be unlikely to share views and information with each other.

RESULTS

A total of 160 Tweets were evaluated, with 40 Tweets coming from each hashtag

Covid-19 Vaccine Position

Did not disclose (n=1) 1.96% (n=1)
Pro-vaccine (n=19) 26.92% (n=30)
Anti-vaccine (n=3) 47.50% (n=5)
Undecided (n=1) 1.96% (n=1)

COVID-19 Vaccine Concerns

<table>
<thead>
<tr>
<th>Concerns</th>
<th>Did not disclose</th>
<th>Pro-vaccine</th>
<th>Anti-vaccine</th>
<th>Undecided</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>2.50% (n=2)</td>
<td>9.46% (n=7)</td>
<td>14.86% (n=11)</td>
<td>45.14% (n=30)</td>
</tr>
<tr>
<td>Vaccine</td>
<td>2.50% (n=2)</td>
<td>9.46% (n=7)</td>
<td>14.86% (n=11)</td>
<td>45.14% (n=30)</td>
</tr>
<tr>
<td>Other</td>
<td>2.50% (n=2)</td>
<td>9.46% (n=7)</td>
<td>14.86% (n=11)</td>
<td>45.14% (n=30)</td>
</tr>
</tbody>
</table>

Diagnosis of Covid-19 Vaccine concerns that discussed conspiracy theories came from Twitter users who did not specify their role.

Twitter users with different professional backgrounds and Covid-related views tend to use separate hash tags and may be unlikely to share views and information with each other.

CONTACT INFORMATION

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