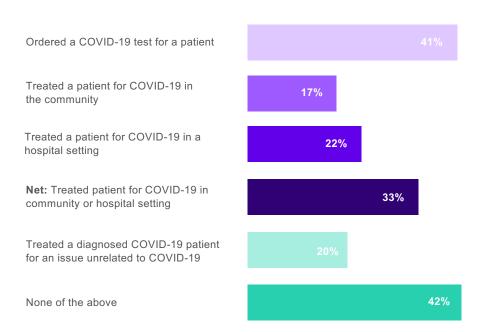
Breaking Results: Sermo's COVID-19 Real Time Barometer Study

WAVE III: April 6 - 9

sermo

Breakdown of physicians who have personally done the following actions

The total number of physician respondents for Wave 3 was 4016. Of those, 33% treated COVID patients (n=1337).

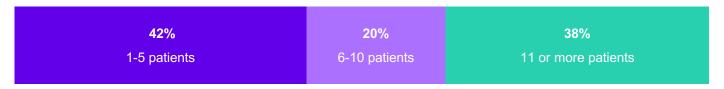




How many patients physicians have treated for COVID-19

In Wave 3 we explored perceptions of physicians who were high vs moderate vs low treaters of COVID patients.

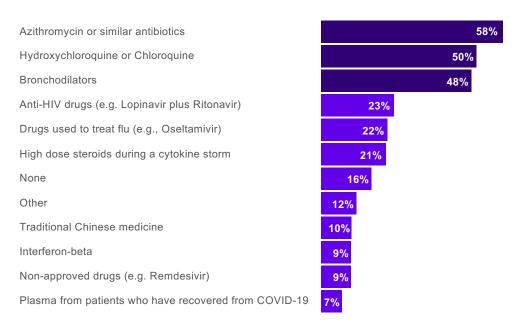
The COVID treaters (1337) breakdown was:



Among the top-level findings reported in this analysis, we have not identified statistically significant differences between highly active and low active COVID treaters.

Medications physicians have used to treat COVID-19 patients

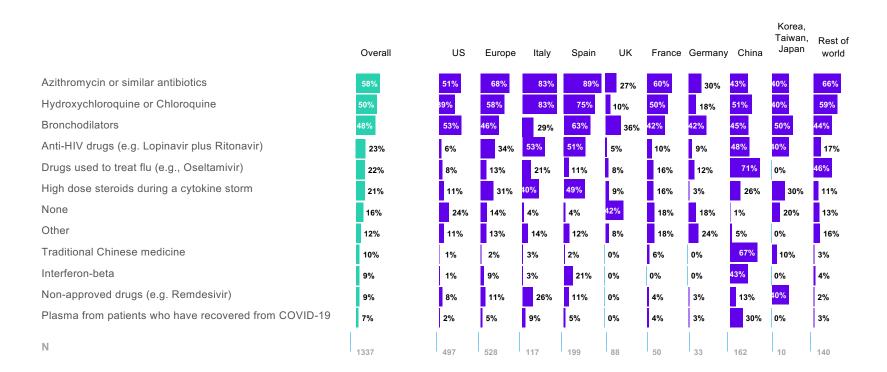
The top three treatments that doctors reported having prescribed were Azithromycin (58%), Hydroxychloroquine (50%), and Bronchodilators (48%).





Note: Results reflect share of doctors who report using the drugs with any of their patients; this is not meant to reflect the share of patients receiving the drug

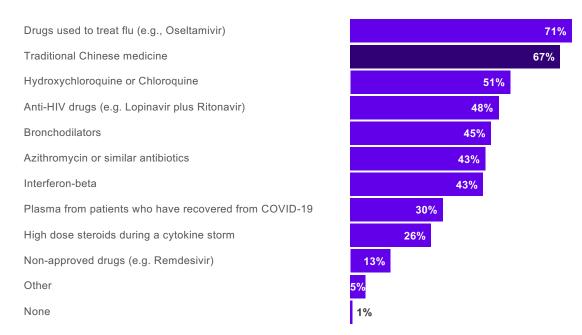
Medications physicians have used to treat COVID-19 patients, by region





Medications physicians in China have used to treat COVID-19 patients

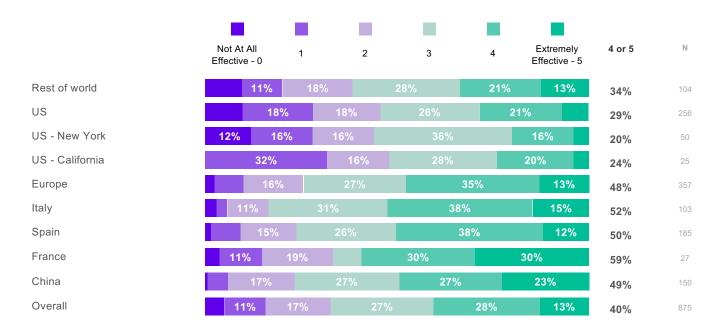
Traditional Chinese medicine has been used by 67% of physicians in China.





Hydroxychloroquine/Chloroquine efficacy by region

Physicians who treat COVID patients in Italy, Spain, France, and China have higher perceptions of Hydroxychloroquine's efficacy vs the US (~50% vs 29%).





Efficacy of medications physicians have used or have seen used to treat COVID-19

The top three treatments that have been used/seen used and reported as very or extremely effective among COVID treaters include:

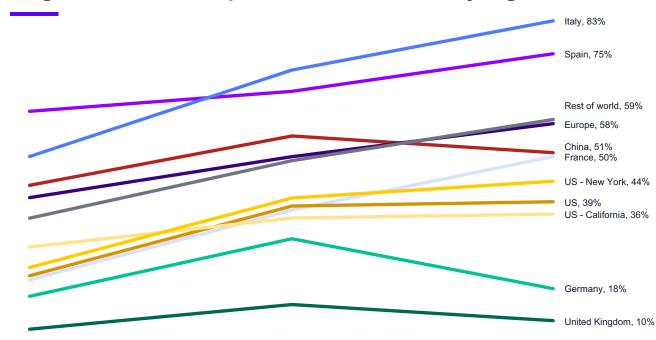
- 46% plasma from recovered patients (n=363); 40% Hydroxychloroquine (n=875); 38% high dose steroids during a cytokine storm (n=556)
- No significant differences of perceived efficacy were observed between highly active COVID treaters and users of these drugs (physicians treating 11+ patients) and lower active COVID treaters (1-10 patients)

, , , , , , , , , , , , , , , , , , ,	Overall	1-10 patients treated	11 or more patients treated
Drugs used to treat flu (e.g., Oseltamivir)	16%	16%	16%
Azithromycin or similar antibiotics	23%	22%	23%
Anti-HIV drugs (e.g. Lopinavir plus Ritonavir)	25%	30%	20%
Hydroxychloroquine (Plaquenil) or Chloroquine	40%	40%	41%
Bronchodilators	25%	26%	23%
Interferon-beta	28%	30%	26%
Non-approved drugs (e.g. Remdesivir)	33%	34%	31%
Plasma from patients who have recovered from COVID-19	46%	50%	39%
High dose steroids during a cytokine storm	38%	35%	41%
Traditional Chinese medicine	30%	36%	21%



Note: results are based on users of each drug; base sizes will vary. Additionally, results are general ratings of effectiveness and do not account for patient condition or co-morbidities.

Percentage of physicians having used Hydroxychloroquine to treat a diagnosed COVID-19 patient, over time and by region



Wave 1: Mar 25
N=2171
COVID TREATERS

Wave 2: March 30 N=1662 COVID TREATERS Wave 3: Apr 6

N=1337 COVID TREATERS

Thank you

Please visit <u>sermo.com</u> for more information on the COVID-19 Real

Time Barometer Study and to access all data published to date

