Asthma Quarterly Social Media Update

HCP CONVERSATION ON TWITTER

Tweets originating from handles identified as healthcare professionals showed the same large spike on June 27 as the overall conversation, but HCP posts also peaked in April. Nearly all of these posts linked to the <u>National Institute for</u> <u>Health and Care Excellence's</u> <u>(NICE) guidelines</u> on COVID-19 for people with severe asthma and pneumonia (as well as other conditions).



 Image: SharmaPharma (Ravi Sharma) @RSharmaPharma
 4 April

 RT @NICEComms NICE has published new rapid COVID-19 guidelines: https://t.co
 /Wr3Tgajlpk They cover the management of patients with severe asthma, pneumonia, rheumatological autoimmune, inflammatory and metabolic bone disorders and the management of COVID-19 symptoms in the community.

 https://t.co/M1ROseZWAq



Overall, HCP conversations in Q2 accounted for 3% of the total tweets (this was inline with Q1). HCP conversations continued to be dominated by COVID-19 with nearly half of all HCP posts mentioning the virus. Most of these posts can be traced back to retweets of the June 27 and April 4 spikes and most supported people with severe asthma wearing masks (as well as social distancing for safety).Buenos Aires Allergist Juan Ivancevich MD (Aller_MD, 6.5k followers) was the most prolific handle during Q1 and that continued in Q2 with 73 tweets. Content most often mentioned COVID-19, and he frequently linked to <u>blog posts</u> and drug studies.

SAMPLE TWEETS BY @ALLER_MD

https://t.co/kRyWeY8uuC

Jaller_MD (Juan C Ivancevich MD) @Aller_MD

#biomarker #mepolizumab https://t.co/5mSANAY6w3



Aller_MD (Juan C Ivancevich MD) @Aller_MD 8 Apr RT @Els_Allergy New Targeted Therapies for Uncontrolled Asthma - Part of a Biologics article collection: https://t.co/6qqhEHEA73 https://t.co/WGVLEVFpA8



Aller_MD (Juan C Ivancevich MD) @Aller_MD
RT @JACIInPractice In Press! #Mepolizumab for #Allergic #Bronchopulmonary #Aspergillosis:
report of 20 cases from the Belgian #Severe #Asthma Registry and review of the literature

RT @AllergyEaaci The importance of being not significant: blood eosinophils and clinical responses do not correlate in **severe asthma** patients treated with **Mepolizumab** in real life. Corresponding Author: Giovanni Passalacqua; Download Article Here: https://t.co/NWIEQkrbDK

7 Apr

5 Apr



5 May

28 Jun

SAMPLE TWEETS FROM TOP HCPS (BY FOLLOWERS)



🎔 Dlaureate (Ablebae 🍤 👏) @Dlaureate

RT <u>@trending_medic</u> Moderate to **Severe Asthma** has been shown as a risk factor to more serious clinical symptoms of COVID-19. If you've been diagnosed, social distancing and other precautions should be paramount in your routine. Stay safe. <u>#WorldAsthmaDay</u>



kstreet111 (K.Street1111 SOS America) @kstreet111

RT @eugenegu This Trader Joe's Karen is lying. No real doctor would tell a patient not to wear a mask during COVID-19. Even those with **asthma**, **COPD**, and other respiratory conditions should wear a mask in public. It won't interfere with your breathing. It'll save lives. https://t.co/xDa9frgSJU

HCP MENTIONS - TREATMENTS AND PRODUCTS

HCP Twitter conversations that tied to asthma treatments and products showed two major spikes during Q2:

- The first peak between April 10-13 did not tie to one single driver. Topics included the FDA's
- approval of the first generic albuterol sulfate inhaler for patients 4 years and older with reversible obstructive airway disease. Other tweets focused on UnitedHealthcare's decision to deny coverage of Nucala, used to maintain lung capacity.



• June 18 posts were driven by new guidelines from the Global Initiative for Asthma (GINA) that said Salbutamol (SABA) was no longer recommended as first line asthma relief, instead recommended that low dose corticosteroids and Formoterol be used.

SAMPLE TWEETS BY HCPS



TOP ASTHMA PRODUCTS WITHIN THE HCP CONVERSATION

Inhalers were the most mentioned asthma treatment during Q2 by HCPs. Posts included mentions of shortages during COVID-19, use of inhalers (handles posting they rely on them frequently), and FDA's clearance to allow <u>Symbicort to</u> <u>connect to its digital health</u> <u>platform</u>.



Cortiosteroid mentions were driven by GINA's recommendation against SABA as first line asthma relief.

Tweets mentioning biologics were primarily driven by three influencers: Florin-Dan Popescu (@FlorinDanPopesc, 7.2k followers), Juan Ivancevich (@Aller_MD, 6.5k followers), and Michael Blaiss (@wheezemd, 3.7k followers). Posts shared new research and conferences. As was the case in Q1, Albuterol was the most mentioned asthma medication this quarter (this included references to ProAirm Ventolin, RespiClick, and Proventil). Posts often tied to COVID-19 and mentioned shortages of the drug, while others posted research pieces or mentioned their personal use of the medication.



Mepolizumab/Nucala mentions were tied to mentions of UnitedHealthcare denying coverage of the drug for maintaining lung capacity. Other posts mentioned Mepolizumab as one of only a handful of biologics approved by the FDA, as well as conferences and studies.

Symbicort posts were driven by Propeller Health's announcement that it would digitize treatment.

GINA's new guideline recommending the use of low dose inhaled corticosteroids + Formoterol/Budesonide (instead of SABA) were frequently retweeted.

News coverage claiming off-label Singulair (Montelukast) was effective at treating COVID-19 drove Singulair mentions.

Prednisone posts tended to be in passing and mentioned using the medication to stop a reaction or mentioned other asthma related drugs alongside it.

TWEETS BY TOP HCPS



FlorinDanPopesc (Florin-Dan Popescu) @FlorinDanPopesc RT @ginasthma New #2020 #GINA Inhaled Corticosteroid table for Adults and adolescents with #asthma. @PCRSUK @RespNprang @RCPLondon @EuroRespSoc @atscommunity @AsthmaAustralia @bigcatdoc @Breathe_to_win @inhalers4u https://t.co

/TIA9iqzbDV https://t.co/flYkt0YCOU

16 Apr



26 May



😏 SPulim (Sandeep Pulim) @SPulim

RT @PropellerHealth We're excited to share that Propeller has received FDA clearance to connect patients using the Symbicort Inhaler to our platform, a huge milestone in bringing digital health to people with asthma and COPD. https://t.co/LsR6BKfdB9



J FlorinDanPopesc (Florin-Dan Popescu) @FlorinDanPopesc 8 Jun Next at #eaaci2020: #EAACI #AAAAI #JointSymposium (18:15 CEST): new era in #asthma management: perspectives from US @AAAAI_org #SisterSocietySymposium: Personalized #asthma care - #biologics, #Allergen environmental interventions, Reconciling differences in #guidelines https://t.co /fHhwSImqXF



MILET_MD (Juan C Ivancevich MD) @Aller_MD

RT @ImmunAllergyBMC Differential response to biologics in a patient with severe asthma and ABPA: a role for dupilumab? https://t.co/RGkesGNkLu



JAIIer_MD (Juan C Ivancevich MD) @Aller MD

As part of an open call for papers, Elsevier and the editors of the official journals of the American Academy of Allergy, Asthma & Immunology (AAAAI) would like to make these recent Biologics research articles available free through May 15, 2020. https://t.co/F2aV8aVVg3



wheezemd (Michael Blaiss, MD) @wheezemd COVID-19, SEVERE ASTHMA AND BIOLOGICS https://t.co/CZbPSfeBw5



🍯 DrPetryna (Olga Petryna) @DrPetryna

#EULAR2020 #op0148 real world European study of Mepolizumab in 142 pts w/EGPA shows significant improvement of general, ENT, pulm&neuro symptoms. Significant reduction in BVAS, 90% decrease of asthma attacks by 12 mo, decreased steroid use. 21.1%non-serious AEs @RheumNow https://t.co/fN4tKPvUaE



wheezemd (Michael Blaiss, MD) @wheezemd

Real-word experience with mepolizumab: Does it deliver what it has promised? Clinical relevance: Mepolizumab is efficient in severe eosinophilic asthma in real life. https://t.co /B5QspReY9k



10 Apr

15 Jun

4 Jun



2 Jun