## Accepted Manuscript

Title: Real world evaluation of a mobile health application in children with asthma

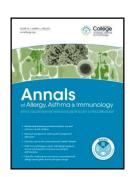
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PII: S1081-1206(18)30115-7

DOI: https://doi.org/10.1016/j.anai.2018.02.006

Reference: ANAI 2461

To appear in: Annals of Allergy, Asthma & Immunology



Please cite this article as: David R. Stukus, Nabeel Farooqui, Kasey Strothman, Kelsey Ryan, Songzhu Zhao, Jack H. Stevens, Daniel M. Cohen, Real world evaluation of a mobile health application in children with asthma, *Annals of Allergy, Asthma & Immunology* (2018), https://doi.org/10.1016/j.anai.2018.02.006.

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1 1 Real World Evaluation of a Mobile Health Application in Children with Asthma 2 David R Stukus MD<sup>1,2</sup>, Nabeel Farooqui MD<sup>3</sup>, Kasey Strothman MD<sup>1,2</sup>, Kelsey Ryan BS<sup>1,4</sup>, Songzhu Zhao MS<sup>1,5</sup>, Jack H Stevens PhD<sup>1,6</sup>, Daniel M Cohen MD<sup>1,4</sup> 3 4 5 <sup>1</sup>Nationwide Children's Hospital, Columbus, OH, <sup>2</sup>Division of Allergy and Immunology, 6 7 <sup>3</sup>Allergy Partners, Indianapolis, IN, <sup>4</sup>Division of Emergency Medicine, <sup>5</sup>Center for Biostatistics at The Ohio State University, <sup>6</sup>Center for Biobehavioral Health 8 9 10 Corresponding Author: David R. Stukus, MD 11 12 700 Children's Drive 13 ED - 602214 Columbus, Ohio 43205 David.stukus@nationwidechildrens.org 15 16 P: (614) 722-4808 F: (614) 722-4423 17 18 Keywords: Asthma; Asthma Action Plan; Emergency Department; Mobile Health; Pediatrics 19 20 Abbreviations used: ED - Emergency Department; EMR - Electronic Medical Record; NHLBI -21 22 National Heart Lung and Blood Institute; RCT – Randomized Controlled Trial; UC – Urgent 23 Care 24 25 Funding Sources: Funding was provided by a private donation from the Heffner Foundation. 26 27 Trial Registration: ClinicalTrials.gov # NCT02333630. 28 29 Conflicts of Interest: Authors Stukus, Farooqui, Strothman, Ryan, Zhao, Stevens, and Cohen 30 report no relevant conflicts of interest related to this manuscript. 31 32 Author contribution: We acknowledge that this manuscript exceeds the author limit for 33 submissions. However, each author meets authorship criteria as stated by the Annals of Allergy, 34 Asthma and Immunology, and specified below: 35 36 Dr. Stukus: Contributed to study conception and design, data analysis and interpretation, drafted 37 and reviewed the manuscript, gave final approval of this version submitted for publication, and

38 agrees to be accountable for all aspects of the work related to its accuracy or integrity.

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Dr. Farooqui: Contributed to study conception and design, data analysis and interpretation, 40 critically reviewed the manuscript, gave final approval of this version submitted for publication, 41 42 and agrees to be accountable for all aspects of the work related to its accuracy or integrity.

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