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## Publication rate and characteristics of industry-sponsored asthma clinical trials

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### Abstract

**Background:** Publication of clinical trials despite outcomes is important for transparency.

**Aims and Objectives:** To evaluate publication rate of industry-sponsored asthma clinical trials registered on ClinicalTrials.gov.

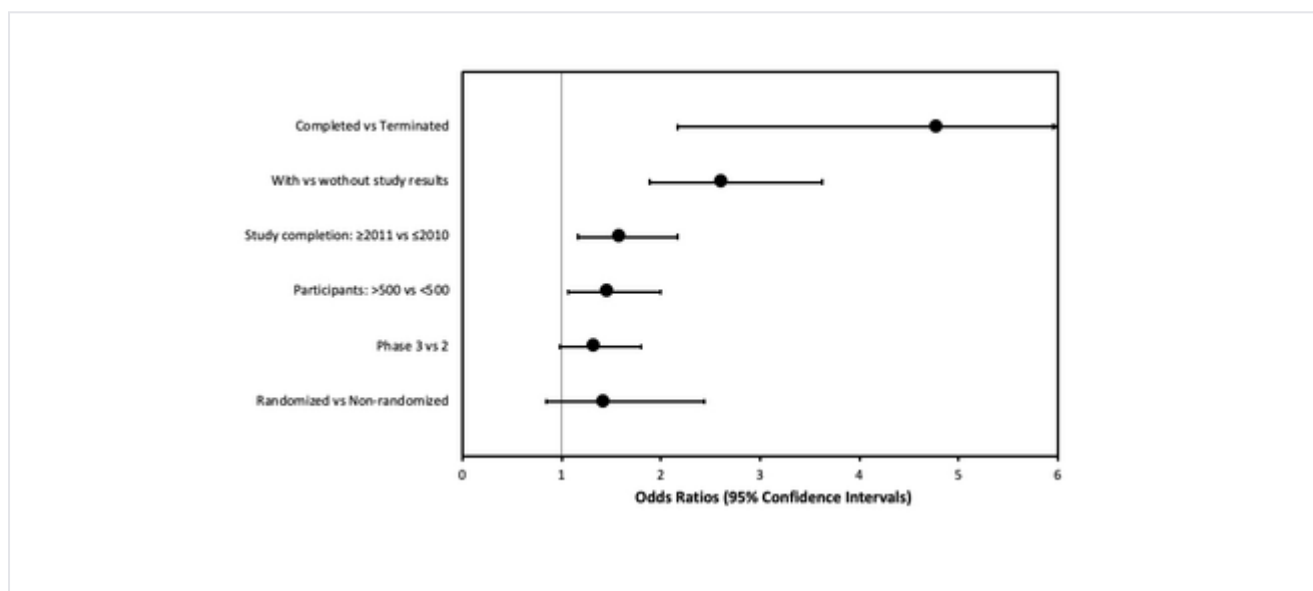
**Methods:** For this cross-sectional study, ClinicalTrials.gov was searched (December 2019) to identify registered interventional phase 2 and 3 clinical trials involving patients



with asthma with a primary study completion/termination date between January 1, 2000 and December 31, 2017. Publication of results in peer-reviewed journals was noted by searching in PubMed or by hand search.

**Results:** A total of 626 trials were included (completed, n=584; results posted, n=287; >500 participants, n=264; completed after 2010, n=318; phase 3, n=315; randomized, n=565). Of the 626, 317 (50.6%) trials were published. Of the completed trials 52.9% and of terminated trials 19.0% were published. Among trials with and without results 63.4% and 39.8%; trials with <500 and >500 participants, 46.7% and 56.1%; and trials completed  $\geq 2011$  and  $\leq 2010$ , 56.3% and 44.8%, respectively, were published (Figure). Phase of the study (2 or 3) and randomization were not associated with publication.

**Conclusion:** Results suggested that around half of the industry-sponsored asthma clinical trials were published. Completion of trials, trials with results, a higher number of participants and duration of completion was associated with publication.



## Footnotes

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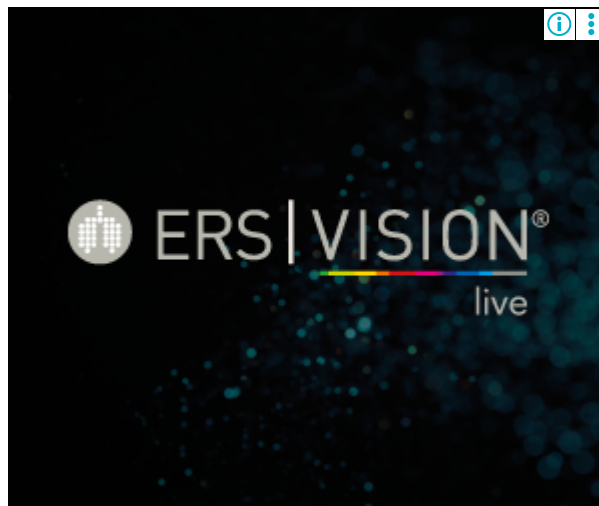
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