

INTERNATIONAL SEVERE ASTHMA REGISTRY



year in review:
updates from 2018

ISAR, the first international registry of severe asthma patients (<http://isaregistries.org/>) is celebrating its second year of successful operation. Spreading its wings to new horizons of severe asthma, ISAR is dedicated to improving and standardizing the assessment and management of patients with severe asthma.

New Countries updates: Owing to rapidly growing interest and funding support from AstraZeneca, ISAR has surpassed initially planned 14 countries over a 5-year period (2017-2022) and extended to overall 25 countries spreading to Middle-East, Asia-Pacific and Latin American countries.

Data updates: So far, 5601 severe asthma patients' data are shared for ISAR research from 13 countries. By 2021, patients will be recruited from over 160 within participating countries.

Country	Sites	Patient-level	Aggregate level
USA	1	3,378	-
Italy	61	564	-
Korea	20	22	439
Greece	1	28	-
Spain	15	54	-
Bulgaria	6	35	-
Ireland	1	55	-
Japan	4	Ethics approved	-
Canada	6	41	-
Kuwait	1	30	-
UK	6	-	696
Denmark	8	-	-
Australia/SG/NZ	26	-	259
Total	156	4,207	1,394



Research Updates: Currently, ISAR has 11 active research projects, prioritised by ISAR Steering Committee:

Global Core Project 2017: Demographic and Clinical Characteristics of Severe Asthma Patients Worldwide

Status

- Manuscript drafted
- Publication – March 2019

Global Core Project 2018: The Characterisation and Comparison of Eosinophilic and Non-Eosinophilic Phenotypes in Severe Asthma

Status

- Protocol finalised
- Pilot results to be presented at the REG summit 2019

Hidden Severe Asthma in Primary Care vs ISAR

Status

- Protocol drafted
- Planned abstract for ERS 2019 showing pilot framework to identify hidden severe asthma patients

Outcomes of Switching Biologics

Status

- Protocol drafted
- Discussion with project steering committee at the REG summit 2019

Impact of exacerbation burden on lung function trajectory in a broad and severe asthma population

Status

- Supplementary data sources identified
- Sources for primary and secondary care data linkage identified
- Draft protocol by March 2019

Comparative effectiveness of biologics versus OCS in severe asthma

Status Draft protocol by April 2019

Other academic research projects currently active in ISAR

- Assessment of the overlap (reliability) of collected biomarkers
- Identification of predictors (i.e. biomarkers) of response to biologics
- Hidden chronic asthma within the COPD/ACO population
- Onset of asthma in severe asthma patients
- Relationship between low socio-economic status and asthma outcomes

Status

- Research working groups finalised
- Epidemiologists/ researchers assigned
- Timelines agreed, and study initiated with leads

Publication Updates

Manuscripts

Development of the International Severe Asthma Registry (ISAR): A Modified Delphi Study

Status

- Published in *JACI in Practice*
- Bulathsinhala, Lakmini, et al. «Development of the International Severe Asthma Registry (ISAR): A Modified Delphi Study.» *The Journal of Allergy and Clinical Immunology: In Practice* (2018).

ISAR mission statement

Status Submitted to *Chest*

ISAR protocol

Status Currently being drafted

Severe asthma registries: a global comparison

Status Currently being drafted

Demographic and clinical characteristics of severe asthma patients worldwide: data from the International Severe Asthma Registry (ISAR)

Status Currently being drafted

Abstracts

ISAR: Clinical characteristics of severe asthma patients worldwide

Status Accepted at ATS 2019

Mission and vision of ISAR

Status Accepted at ATS 2019

Overlap of biomarkers and T2 comorbidities in global severe asthma population

Status Submitted to REG 2019

Comparison of data fields captured by regional severe asthma registries participating in ISAR

Status Submitted to EACCI 2019

International Severe Asthma Registry (ISAR): Mission statement

Status Submitted to EACCI 2019

ISAR protocol

Status Submitted to ERS 2019

Epidemiology of lung function in a global severe asthma population

Status Submitted to ERS 2019

Identifying hidden severe asthma in primary care

Status Submitted to ERS 2019

Call for 2019 research proposals is now open!

If you have a research question and would like to seek access to ISAR data, do not hesitate to contact us through ISAR home page (<http://isaregistries.org/>). Simply click the 'submit a proposal or research request' tab and let us know of your interest. The call for proposals for the year 2019 will close by Feb 28th, 2019, so hurry up and don't miss the chance!