

# EULAR COVID-19 Database

for rheumatologists and other clinicians

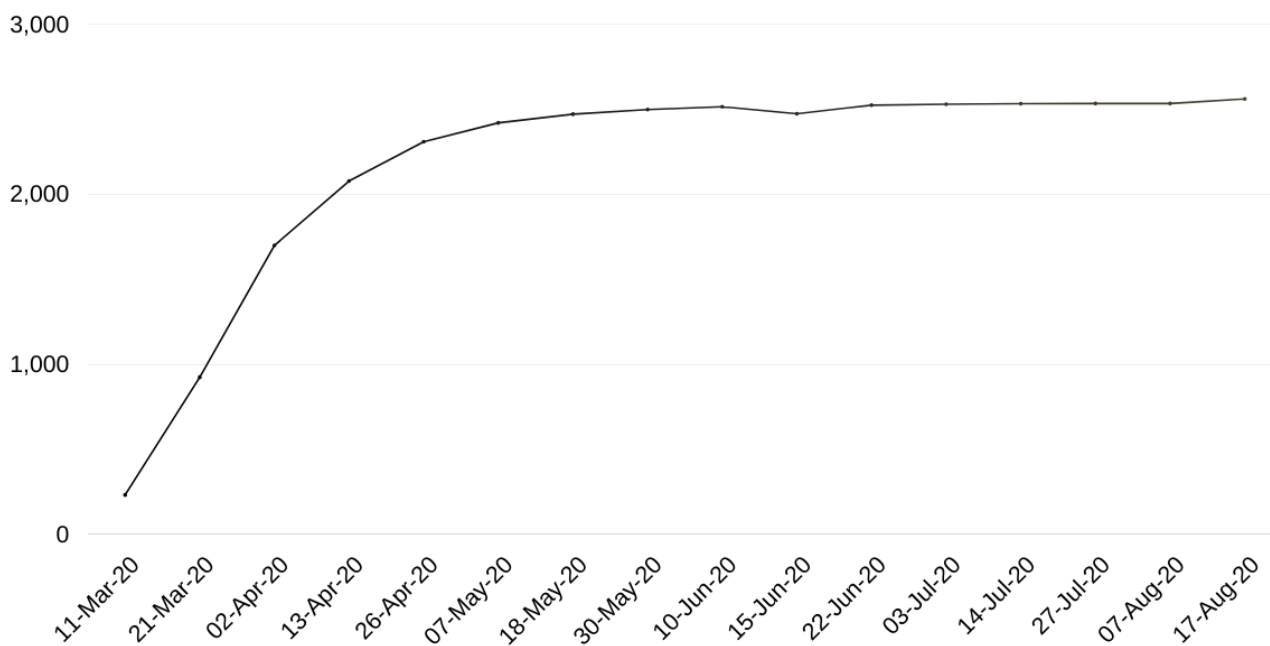
The EULAR - COVID-19 Database is a European paediatric and adult database (in collaboration with the Paediatric Rheumatology European Society (PReS)) to monitor and report on outcomes of "Coronavirus Disease 2019" (COVID-19) occurring in patients with rheumatic and musculoskeletal diseases (RMDs).

## Weekly reporting - data extract: 17<sup>th</sup> August 2020

### Total number of patients to 17<sup>th</sup> August 2020: 2561

To date there have been 2561 patients reported to the EULAR COVID-19 registry from 31 of countries. There have been 1244 hospitalisations and 284 deaths due to COVID-19.

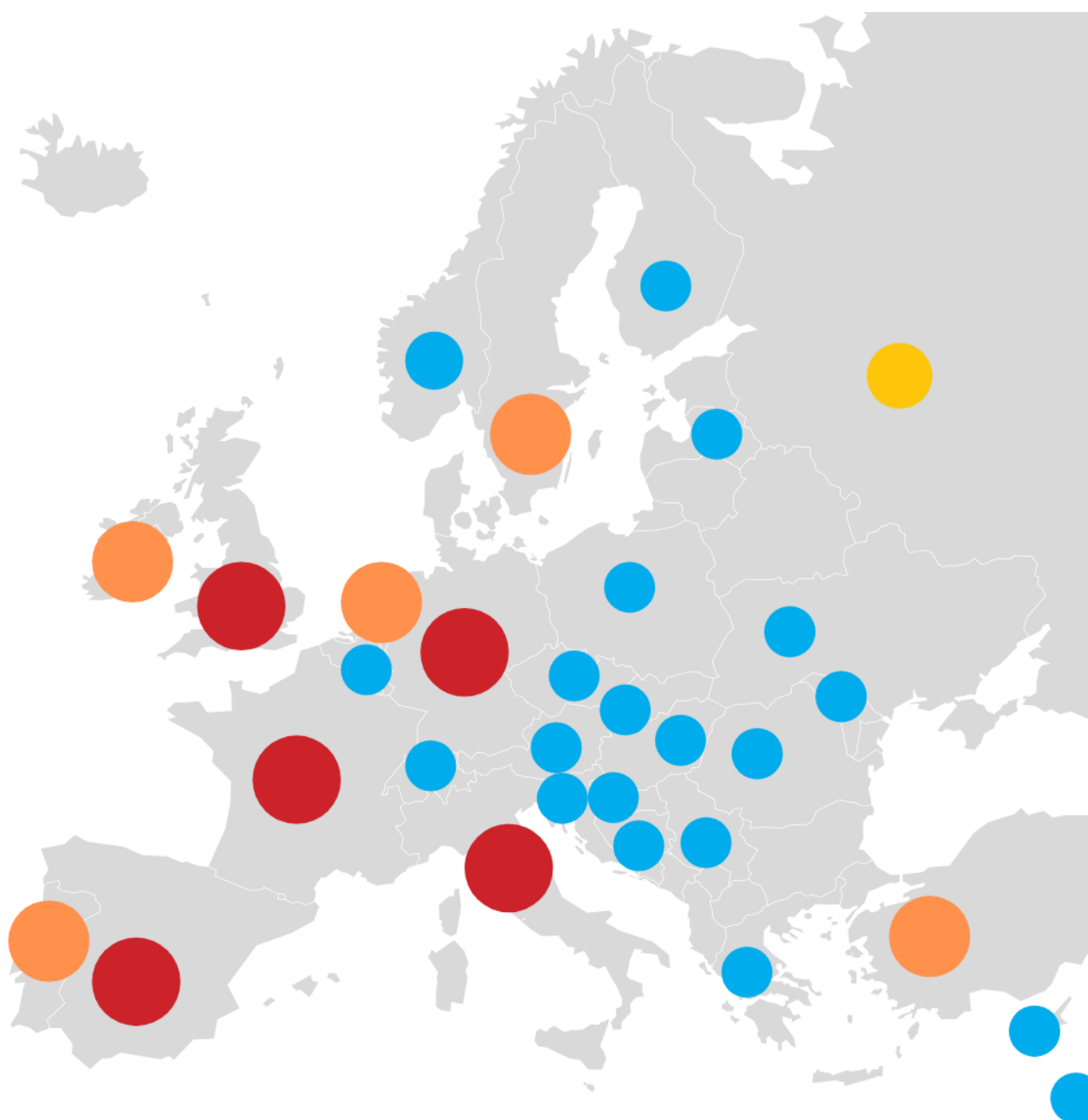
**Figure 1: Cumulative number of cases (by COVID-19 diagnosis date) from 7th March 2020 until 17<sup>th</sup> August 2020 (current data extract).**



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**Figure 2: Number of cases in each country**



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**Table 1: Patient Demographics**

		<b>All patients</b>
<b>Total number</b>		2561
<b>Gender</b>	Female	1638 (64%)
N (%)	Male	919 (36%)
	Other / Unknown	4 (<1%)
<b>Age</b>	Median (IQR)	58 (47 - 70)
	Range (min to max)	4 to 98
<b>Age categories (years)</b>	<18	34 (1%)
N (%)	18-40	351 (14%)
<i>Note: 3 patients are missing age data</i>	41-60	1030 (40%)
	61-more	1143 (45%)
<b>Country</b>	Austria	3 (<1%)
N (%)	Belgium	4 (<1%)
	Bosnia and Herzegovina	2 (<1%)
	Croatia	7 (<1%)
	Czech Republic	6 (<1%)
	Cyprus	3 (<1%)
	Finland	2 (<1%)
	France	810 (32%)
	Germany	236 (9%)
	Greece	3 (<1%)
	Hungary	1 (<1%)
	Israel	6 (<1%)
	Italy	318 (12%)
	Latvia	2 (<1%)
	Moldova	1 (<1%)
	Netherlands	32 (1%)
	Norway	3 (<1%)
	Poland	4 (<1%)
	Portugal	53 (2%)
	Republic of Ireland	99 (4%)
	Romania	8 (<1%)
	Russia	14 (1%)
	Serbia	1 (<1%)
	Slovak Republic	1 (<1%)
	Slovenia	3 (<1%)
	Spain	259 (10%)
	Sweden	96 (4%)
	Switzerland	4 (<1%)

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Turkey	68 (3%)
Ukraine	1 (<1%)
United Kingdom	511 (20%)

**Table 2: Disease information**

		All Patients
<b>Rheumatology Diagnosis</b>	Rheumatoid Arthritis (RA)	937 (37%)
N (%)	Spondyloarthritis (including Axial spondyloarthritis, ankylosing spondylitis, other spondyloarthritis, reactive arthritis)	368 (14%)
	Psoriatic arthritis	341 (13%)
	Systemic Lupus Erythematosus	160 (6%)
	Systemic sclerosis	90 (4%)
	Polymyalgia rheumatic	89 (3%)
	Sjogrens syndrome	75 (3%)
	Gout	66 (3%)
	Other inflammatory arthritis	63 (2%)
	Giant cell arteritis	57 (2%)
	ANCA-associated vasculitis (e.g., GPA, EGPA)	50 (2%)
	Inflammatory myopathy (e.g. dermatomyositis, polymyositis)	47 (2%)
	Other vasculitis including Kawasaki disease	37 (1%)
	Autoinflammatory syndrome (including TRAPS, CAPS, FMF)	31 (1%)
	Behcets	27 (1%)
	Juvenile idiopathic arthritis (polyarthritis)	27 (1%)
	Undifferentiated connective tissue disease	26 (1%)
	Sarcoidosis	23 (1%)
	Anti-phospholipid antibody syndrome	23 (1%)
	Mixed connective tissue disease	15 (1%)
	Ocular inflammation	14 (1%)
	Juvenile idiopathic arthritis (oligoarthritis)	12 (<1%)
	Systemic juvenile idiopathic arthritis	8 (<1%)
	IgG4-related disease	6 (<1%)
	Chronic recurrent multifocal osteomyelitis	None
	Inclusion body myositis (IBM)	None
	Localised scleroderma (morphea)	None
<b>Comorbidities</b>	None stated	721 (28%)
N (%)	Lung disease (includes ILD, COPD, asthma, other lung disease)	473 (18%)
<i>Note: 106 patients are missing comorbidity data</i>	Diabetes	293 (11%)
	Hypertension	844 (33%)
	Cardiovascular disease	337 (13%)
	Obesity (BMI ≥30)	369 (14%)

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<b>Required Hospitalisation</b> N (%)	Yes	1244 (49%)
	No	737 (29%)
	Missing	580 (23%)

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<b>Top 5 symptoms reported</b> N (%)	Fever	1807 (71%)
	Cough	1663 (65%)
	Shortness of breath	1174 (46%)
	Diarrhoea, vomiting	629 (25%)
	Fatigue	555 (22%)

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<b>DMARDs at time of COVID</b> N (%)	Any DMARD	2032 (79%)
	<i>csDMARDs</i>	1440 (56%)
	<i>bDMARDs</i>	972 (38%)
	<i>tsDMARDs</i>	72 (3%)

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